



KUMPULAN BIBLIOGRAFI SCIENCEDIRECT ILMU ANIMAL SCIENCE TAHUN 2019-2020

Kementerian Pertanian Republik Indonesia

**Badan Penyuluhan dan Pengembangan Sumber
Daya Manusia Pertanian**

**Balai Besar Pelatihan Kesehatan Hewan (BBPKH) -
Cinagara**



KATA PENGANTAR.

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Data bibliografi Jurnal Ilmiah Ilmu Animal Science ini diambil dari pangkalan data sciencedirect yang dapat di akses. Melalui teknis penelusuran lanjutan. jumlah judul sebanyak 1000 (Seribu) cantuman. Tulisan Ilmiah ini memiliki kelengkapan yang mutakhir karena di terbitkan sejak tahun 2019-2020. Selain telah terindeks Emerging Source Citation Index Clarivate Analytics, Google Scholar. Jurnal ini memiliki tingkat sitasi yang tinggi di Google Scholar.

Perpustakaan BBPKH Cinagara

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No. 1

Elert, Kerstin; García Sánchez, Rosa Maria; Benavides-Reyes, Cristina; Linares Ordóñez, Fátima
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 Construction and Building Materials v. 226 , 2019 : p. 625-635
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Keyword: Animal glue; Heritage conservation; Lime plaster; Mineralogy; Strength; Weathering resistance

No. 2

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Keyword: Acetaminophen; Animal science; Biological sciences; Food science; Health sciences; Hepatobiliary system; Hepatotoxicity; Oxidative stress; Pharmacology; Toxicology

No. 3

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 Rapid and efficient production of genome-edited animals by electroporation into oocytes injected with frozen or freeze-dried sperm
 Cryobiology v. 90, 2019: p. 71-74
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Wijayaratne, L.K.W.; Dissanayaka, D.M.S.K.; Sammani, A.M.P.
 Variation in *Rhyzopertha dominica* (F.) (Coleoptera: Bostrychidae) progeny adult emergence in different animal feed stored under ventilated and non-ventilated conditions
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Keyword: Animal feed; Non-ventilated; Progeny adults; Ventilated

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Surayah Osman, Nor; Ayuna Mohamed Khamil, Izume; Sapawe, Norzahir
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Keyword: Animal ethics; Animal stories; Empathic concern; Empathy for animals; Narrative empathy, ambassadorial strategic empathy; Prosocial effects of narratives

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 DOI: 10.1016/j.ecss.2019.106350

Keyword: Toxicity; fish; Food web; Microbes; Necrobiome; Sandy beach; Scavenger

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Keyword: Animal Identification; Cloud/Virtual Network; Digital manufacturing –3D Printing; Google Earth; Supply Chain Management; The Internet of things; Tracking

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Keyword: Bayesian model; distant relationship; genomic prediction; QTL markers

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Keyword: Antimicrobial resistance; Companion animals; group; Restriction of antimicrobial use

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Monsalve, Stefany; Pereira, Érika Leitão; Leite, Luana Oliveira; Polo, Gina; Garcia, Rita

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Research in Veterinary Science v. 124, 2019: p. 61-69

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Keyword: Animal cruelty; Companion animal maltreatment; Human-animal relationship; Link theory; Veterinary education

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Mezaki, Yoshihiro; Kato, Shigeaki; Nishikawa, Osamu; Takashima, Isao; Tsubokura, Masaharu; Minowa, Haruka; Asakura, Tadashi; Matsuura, Tomokazu; Senoo, Haruki

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Keyword: Bioaccumulation; Aquatic biology; Arctic; Cesium; Environmental radioactivity; Environmental science; Fukushima Daiichi nuclear power plant; Quality of life; Radioactivity; Svalbard; Water pollution

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Keyword: Animal experimentation; Nitrous oxide; Occupational exposure; OEL; Reproductive and developmental toxicity; Systematic review

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Keyword: Luciferase immunosorbent assay (LISA); MERS-CoV; Samples of humans and animals; Serological IgG detection

No. 25

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Keyword: Pesticide; Environmental health; Epidemiology; Occupational health

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Keyword: Animal detection system; Infrared; Thermal detection; Ultrasound

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Progress in farm animal proteomics: The contribution of combinatorial peptide ligand libraries

Journal of Proteomics v. 197, 2019: p. 1-13

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Keyword: Animal health; Animal proteomes; Combinatorial peptide ligand libraries; Low-abundance proteins

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Computer Standards & Interfaces v. 66, 2019: p. 103361

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Keyword: Animal behaviors; Artificial intelligence; Fuzzy logic; Unity 3D modeling; Virtual environment

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DOI: 10.1016/j.biosystems.2019.104019

Keyword: Animal behavior; Animal group; Self-organization; Self-propelled particles

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Keyword: Animal management; Dairying; Eastern Rif; Epipalaeolithic; Fauna; Morocco; Neolithic; Organic residue analyses

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Scientific African v. 6, 2019: p. e00158

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Keyword: Animals; Antibiotic resistance; Food products; Human; Multidrug resistance; Nigeria

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Complementary Therapies in Clinical Practice v. 36, 2019: p. 153-157

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Keyword: Canine; Animal assisted activities; Behavioral health; Children's hospitals; Pediatric; Pet therapy

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Science of The Total Environment v. 658, 2019 : p. 152-159

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Keyword: Animal types; Antibiotic resistance genes; Large-scale swine farms; Microbial community; Swine manure

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Keyword: animal behavior; calcium-permeable AMPA receptor; D1 receptor; D2 receptor

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Science of The Total Environment v. 660, 2019: p. 1029-1037

DOI: 10.1016/j.scitotenv.2019.01.051

Keyword: Animal manure; Binding agents; Dispersing agents; Glomalin; Soil aggregate stability; Soil aggregation

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Keyword: Animal; Animal diet; Dietary protein; Inflammation; Legumes; Plant diet

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New Large Animal Model for Aortic Aneurysms in the Viscerorenal Segment

Journal of Surgical Research v. 240, 2019: p. 156-164

DOI: 10.1016/j.jss.2019.02.054

Keyword: Animal; Aorta; Aortic aneurysm; Endovascular procedures; Models

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Valvassori, Samira S.; Gava, Fernanda F.; Dal-Pont, Gustavo C.; Simões, Henio Leonardo; Damiani-Neves, Marcela; Andersen, Monica Levy; Boeck, Carina Rodrigues; Quevedo, João

Effects of lithium and valproate on ERK/JNK signaling pathway in an animal model of mania induced by amphetamine

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Keyword: Molecular biology; Neuroscience

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Livestock Science v. 230, 2019: p. 103840

DOI: 10.1016/j.livsci.2019.103840

Keyword: Dairy cows; Economic consequences; Mastitis; Sweden

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Probiotic treatment improves the impaired spatial cognitive performance and restores synaptic plasticity in an animal model of Alzheimer's disease

Behavioural Brain Research v. 376, 2019: p. 112183

DOI: 10.1016/j.bbr.2019.112183

Keyword: Probiotics; Alzheimer's disease; Animal model; Long- term potentiation; Spatial memory

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Huck, Maren; Watson, Samantha

The use of animal-borne cameras to video-track the behaviour of domestic cats

Applied Animal Behaviour Science v. 217 , 2019 : p. 63-72

DOI: 10.1016/j.applanim.2019.04.016

Keyword: Ethogram; Inter-observer reliability; Recording rules; Time-budget; Video-tracking

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Wang, Feiyang; Basso, Frédéric

"Animals are friends, not food": Anthropomorphism leads to less favorable attitudes toward meat consumption by inducing feelings of anticipatory guilt

Appetite v. 138, 2019: p. 153-173

DOI: 10.1016/j.appet.2019.03.019

Keyword: Metaphor; Anthropomorphism; Anticipatory guilt; Meat consumption; Meat paradox

No. 43

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Clinical Nutrition v. , 2019: p.

DOI: 10.1016/j.clnu.2019.11.035

Keyword: Animal protein; Diet quality; Disease risk; Plant protein; Protein source

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Short- and medium-chain chlorinated paraffins in plastic animal feed packaging and factors affect their migration into animal feed

Journal of Hazardous Materials v. , 2019: p. 121836

DOI: 10.1016/j.jhazmat.2019.121836

Keyword: Migration; Animal feed; Chlorinated paraffin; Polyethylene; Polypropylene

No. 45

Dias, Carla; Ribeiro, Marta; Correia-Branco, Ana; Domínguez-Perles, Raul; Martel, Fátima; Saavedra, Maria José; Simões, Manuel

Virulence, attachment and invasion of Caco-2 cells by multidrug-resistant bacteria isolated from wild animals

Microbial Pathogenesis v. 128, 2019: p. 230-235

DOI: 10.1016/j.micpath.2019.01.011

Keyword: Virulence; Bacterial attachment; Caco-2 cell line; Host cells invasion; Wild animals

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Associations between on-farm animal welfare indicators and productivity and profitability on Canadian dairies: I. On freestall farms

Journal of Dairy Science v. 102, 2019: p. 4341-4351

DOI: 10.3168/jds.2018-14817

Keyword: productivity; profitability; welfare indicator; well-being

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Animal movement models with mechanistic selection functions

Spatial Statistics v. , 2019: p. 100406

DOI: 10.1016/j.spasta.2019.100406

Keyword: Partial differential equation; Point process; Resource selection function; Step selection function

No. 48

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Coadministration of lithium and celecoxib attenuates the behavioral alterations and inflammatory processes induced by amphetamine in an animal model of mania

Pharmacology Biochemistry and Behavior v. 183, 2019: p. 56-63

DOI: 10.1016/j.pbb.2019.05.009

Keyword: Inflammation; Animal model of mania; Bipolar disorder; Celecoxib; Cytokines; Lithium; Mania

No. 49

Colombino, Elena; Capella, Silvana; Casalnuovo, Francesco; Racco, Rocco; Pruiti, Flavia; Volante, Marco; Di Marco Lo Presti, Vincenzo; Belluso, Elena; Capucchio, Maria Teresa
 Malignant peritoneal mesothelioma in a boar who lived in Calabria (Italy): Wild animal as sentinel system of human health
 Science of The Total Environment v. 683 , 2019 : p. 267-274
 DOI: 10.1016/j.scitotenv.2019.05.254

Keyword: Asbestos environmental exposure; Boar; Mesothelioma; Sentinel animals

No. 50

Astorga, Francisco; Navarrete-Talloni, María J.; Miró, María P.; Bravo, Verónica; Toro, Magaly; Blondel, Carlos J.; Hervé-Claude, Luis P.
 Antimicrobial resistance in *E. coli* isolated from dairy calves and bedding material
 Heliyon v. 5, 2019: p. e02773
 DOI: 10.1016/j.heliyon.2019.e02773

Keyword: Agriculture; Cattle; Animal science; Microbiology; Veterinary medicine; Antimicrobial resistance; Animal breeding; Calf; Dairy; Livestock management; Ruminant

No. 51

Rink, K.A.; Turk, P.; Archibeque-Engle, S.L.; Wilmer, H.; Ahola, J.K.; Hadrich, J.C.; Roman-Muniz, I.N.
 Dairy producer perceptions of the Farmers Assuring Responsible Management (FARM) Animal Care Program
 Journal of Dairy Science v. 102, 2019: p. 11317-11327
 DOI: 10.3168/jds.2019-16859

Keyword: animal care; dairy producer; Farmers Assuring Responsible Management; survey

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Corah, Louise; Lambert, Alison; Cobb, Kate; Mossop, Liz
 Appointment scheduling and cost in first opinion small animal practice
 Heliyon v. 5, 2019: p. e02567
 DOI: 10.1016/j.heliyon.2019.e02567

Keyword: Veterinary medicine; Appointment length; Business; Clinical practice; Consultation; Practice management; Veterinary profession

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Shapovalov, Sergii; Mikhaylov, Sergei; Andrey, Skryl; Chereshneva, Yelizaveta; Tsomartova, Dibahan; Ivanova, Marina; Tsomartova, Elina; Shapovalova, Diana; Pavlova, Mariia
 Calf demand provision by mammary gland secretion during the first decade of post-natal development
 Heliyon v. 5, 2019: p. e02676
 DOI: 10.1016/j.heliyon.2019.e02676

Keyword: Animal science; Food science; Ruminant; Analytical chemistry; Animal nutrition; Colostrum; Immunoglobulins; Lactoferrin; Minor nutrient elements; Somatic cells

No. 54

Souza, Kennyson Alves de; Monteschio, Jéssica de Oliveira; Mottin, Camila; Ramos, Tatiane Rogelio; Pinto, Laura Adriane de Moraes; Eiras, Carlos Emanuel; Guerrero, Ana; Prado, Ivanor Nunes do
 Effects of diet supplementation with clove and rosemary essential oils and protected oils (eugenol, thymol and vanillin) on animal performance, carcass characteristics, digestibility, and ingestive behavior activities for Nellore heifers finished in feed
 Livestock Science v. 220, 2019: p. 190-195
 DOI: 10.1016/j.livsci.2018.12.026

Keyword: digestibility; Beef cattle; Carcass quality; Natural extracts; Nutrition

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Zhu, Qi; Zhuang, Xuxu; Lu, Jiahong
 Neuroprotective effects of baicalein in animal models of Parkinson's disease: A systematic review of experimental studies
 Phytomedicine v. 55, 2019: p. 302-309
 DOI: 10.1016/j.phymed.2018.09.215

Keyword: Baicalein; In-vivo; Neuroprotective effects; Parkinson's disease; PD animal models

No. 56

Zhao, Wenjie; Zuo, Huiying; Guo, Yun; Liu, Kejian; Wang, Sheng; He, Lijun; Jiang, Xiuming; Xiang, Guoqiang; Zhang, Shusheng
 Porous covalent triazine-terphenyl polymer as hydrophilic-lipophilic balanced sorbent for solid phase extraction of tetracyclines in animal derived foods
 Talanta v. 201, 2019: p. 426-432
 DOI: 10.1016/j.talanta.2019.04.010

Keyword: Animal derived foods; Covalent triazine polymer; Hydrophilic-lipophilic balance; Solid phase extraction; Tetracyclines

No. 57

Derkley, Tessa; Biggs, Duan; Holden, Matthew; Phillips, Clive
 A framework to evaluate animal welfare implications of policies on rhino horn trade
 Biological Conservation v. 235 , 2019 : p. 236-249
 DOI: 10.1016/j.biocon.2019.05.004
Keyword: Animal-welfare; Conservation; Horn trade; Legal-dehorning; Poaching; Rhino

No. 59

Taniguchi, Yui; Koide, Shota; Maeyama, Yoshihiko; Tamai, Kiyoko; Hayashi, Wataru; Tanaka, Hayato; Imura, Masaki; Suzuki, Masahiro; Nagano, Yukiko; Arakawa, Yoshichika; Nagano, Noriyuki
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 Journal of Global Antimicrobial Resistance v. , 2019: p.
 DOI: 10.1016/j.jgar.2019.08.016
Keyword: companion animals; MRSA; POT; SCCType; sequence type

No. 61

Posht-e Masari, Hesam Amou; Hafezian, Seyyed Hassan; Abdollahi-Arpanahi, Rostam; Mokhtari, Morteza Sattaei; Mianji, Ghodrattollah Rahimi; Yeganeh, Amir Taheri
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 Small Ruminant Research v. 173, 2019: p. 59-64
 DOI: 10.1016/j.smallrumres.2019.02.007
Keyword: Sheep; Body weight; Causal relationships; Structural equation models

No. 63

Schulting, Rick J.; le Roux, Petrus; Gan, Yee Min; Pouncett, John; Hamilton, Julie; Snoeck, Christophe; Ditchfield, Peter; Henderson, Rowena; Lange, Priscilla; Lee-Thorp, Julia; Gosden, Chris; Lock, Gary
 The ups & downs of Iron Age animal management on the Oxfordshire Ridgeway, south-central England: A multi-isotope approach
 Journal of Archaeological Science v. 101, 2019: p. 199-212
 DOI: 10.1016/j.jas.2018.09.006
Keyword: Animal mobility; Carbon; Nitrogen; Oxygen; Sequential sampling; Stable isotopes; Strontium

No. 58

Garcia-Morante, Beatriz; Noguera, Marta; Klocke, Sonja; Sommer, Kathrin; Kaiser, Troy; Haist, Verena; Schmidt, Holger; Bridger, Philip
 A novel subunit vaccine based on the viral protein 2 of porcine parvovirus: safety profile in bred pigs at different stages of the reproduction cycle and in offspring
 Heliyon v. 5, 2019: p. e02593
 DOI: 10.1016/j.heliyon.2019.e02593
Keyword: Animal science; Microbiology; Veterinary medicine; Infectious disease; Mass vaccination; Pigs; Porcine parvovirus 1; Subunit vaccine; Vaccine safety; Vaccines; Virology

No. 60

Utama, Dicky Tri; Jeong, Hae Seong; Kim, Juntae; Barido, Farouq Heidar; Lee, Sung Ki
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 Poultry Science v. 98, 2019: p. 3059-3066
 DOI: 10.3382/ps/pez105
Keyword: emulsion; functional ingredient; n3-enrichment; perilla oil; reduced-fat sausage

No. 62

Gardner, Ian A.; Colling, Axel; Greiner, Matthias
 Design, statistical analysis and reporting standards for test accuracy studies for infectious diseases in animals: Progress, challenges and recommendations
 Preventive Veterinary Medicine v. 162, 2019: p. 46-55
 DOI: 10.1016/j.prevetmed.2018.10.023
Keyword: Design; Analysis; Animal disease; Quality standards; Reporting; Sensitivity; Specificity; Test accuracy

No. 64

Clemente, Lurdes; Manageiro, Vera; Correia, Ivone; Amaro, Ana; Albuquerque, Teresa; Themudo, Patrícia; Ferreira, Eugénia; Caniça, Manuela
 Revealing mcr-1-positive ESBL-producing *Escherichia coli* strains among Enterobacteriaceae from food-producing animals (bovine, swine and poultry) and meat (bovine and swine), Portugal, 2010–2015
 International Journal of Food Microbiology v. 296, 2019: p. 37-42
 DOI: 10.1016/j.ijfoodmicro.2019.02.006
Keyword: emergence; ESBL; Food-producing animals; Meat; PMAß

No. 65

Sauvet, Georges

The hierarchy of animals in the Paleolithic iconography

Journal of Archaeological Science: Reports v. 28 , 2019 : p. 102025

DOI: 10.1016/j.jasrep.2019.102025

Keyword: Hierarchy; Horse; Iconography; Paleolithic art; Structuration

No. 66

Li, Cui-yu; Fang, Ai-ping; Ma, Wen-jun; Wu, Shang-ling; Li, Chun-lei; Chen, Yu-ming; Zhu, Hui-lian

Amount Rather than Animal vs Plant Protein Intake Is Associated with Skeletal Muscle Mass in Community-Dwelling Middle-Aged and Older Chinese Adults: Results from the Guangzhou Nutrition and Health Study
Journal of the Academy of Nutrition and Dietetics v. 119, 2019: p. 1501-1510

DOI: 10.1016/j.jand.2019.03.010

Keyword: Dietary protein; Animal protein; Plant protein; Sarcopenia; Skeletal muscle mass

No. 67

Stoddard, Elisabeth A.; Hovorka, Alice

Animals, vulnerability and global environmental change: The case of farmed pigs in concentrated animal feeding operations in North Carolina

Geoforum v. 100, 2019: p. 153-165

DOI: 10.1016/j.geoforum.2019.01.002

Keyword: Animal agency; Animal geographies; Differential vulnerability; Global environmental change; Political ecology; Vulnerability

No. 68

Tiedeman, Kate; Hijmans, Robert J.; Mandel, Alexander; Waetjen, David P.; Shilling, Fraser

The quality and contribution of volunteer collected animal vehicle collision data in ecological research

Ecological Indicators v. 106, 2019: p. 105431

DOI: 10.1016/j.ecolind.2019.05.062

Keyword: Animal vehicle collisions; Citizen science; Species ranges; Volunteer-science; Wildlife vehicle collisions

No. 69

Bampoh, Daniel; Earl, Julia E.; Zollner, Patrick A.

Examining the relative influence of animal movement patterns and mortality models on the distribution of animal transported subsidies

Ecological Modelling v. 412, 2019: p. 108824

DOI: 10.1016/j.ecolmodel.2019.108824

Keyword: Active subsidies; Animal movement; Individual-based models; Mortality

No. 70

Beggs, D.S.; Jongman, E.C.; Hemsworth, P.H.; Fisher, A.D.

The effects of herd size on the welfare of dairy cows in a pasture-based system using animal- and resource-based indicators

Journal of Dairy Science v. 102, 2019: p. 3406-3420

DOI: 10.3168/jds.2018-14850

Keyword: assessment; dairy cow; welfare

No. 71

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Attitudes and perceptions of Dutch companion animal veterinarians towards antimicrobial use and antimicrobial resistance

Preventive Veterinary Medicine v. 170, 2019: p. 104717

DOI: 10.1016/j.prevetmed.2019.104717

Keyword: Antimicrobial use; Companion animal; Veterinary medicine;

Explanatory variable; Prescribing behaviour

No. 72

Li, Hongying; Mendelsohn, Emma; Zong, Chen; Zhang, Wei; Hagan, Emily; Wang, Ning; Li, Shiyue; Yan, Hong; Huang, Huimin; Zhu, Guangjian; Ross, Noam; Chmura, Aleksei; Terry, Philip; Fielder, Mark; Miller, Maureen; Shi, Zhengli; Daszak, Peter

Human-animal interactions and bat coronavirus spillover potential among rural residents in Southern China

Biosafety and Health v. 1, 2019: p. 84-90

DOI: 10.1016/j.bsheat.2019.10.004

Keyword: Bat coronavirus; Disease emergence; Human-animal interaction; Rural community; Southern China

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Regulatory Toxicology and Pharmacology v. 103 , 2019 : p. 21-33
DOI: 10.1016/j.yrtph.2019.01.012

Keyword: Bovine; Oxyclozanide suspension; Safety; Target animal; Toxicity risk

No. 74

Hansen, Bjørn Gunnar; Østerås, Olav

Farmer welfare and animal welfare- Exploring the relationship between farmer's occupational well-being and stress, farm expansion and animal welfare

Preventive Veterinary Medicine v. 170, 2019: p. 104741
DOI: 10.1016/j.prevetmed.2019.104741

Keyword: Animal welfare; Animal welfare indicator; Dairy farming; Occupational well-being

No. 75

Wang, Jing; Sun, Nan; Xu, Minggang; Wang, Shenqiang; Zhang, Jinbo; Cai, Zucong; Cheng, Yi

The influence of long-term animal manure and crop residue application on abiotic and biotic N immobilization in an acidified agricultural soil
Geoderma v. 337, 2019: p. 710-717
DOI: 10.1016/j.geoderma.2018.10.022

Keyword: Animal manure; Abiotic N immobilization; Biotic N immobilization; N tracer techniques; Straw return

No. 76

Zhang, Yuke; Liu, Xuehua; Lv, Zixin; Zhao, Xiangyu; Yang, Xingzhong; Jia, Xiaodong; Sun, Wanlong; He, Xiangbo; He, Baishuo; Cai, Qiong; Zhu, Yun

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Ecological Engineering v. 136, 2019: p. 23-29
DOI: 10.1016/j.ecoleng.2019.05.020

Keyword: Animal diversity; Camera trapping; Forest restoration scheme; The Qinling Mountains

No. 77

Evans, Adrian B.; Miele, Mara

Enacting public understandings: The case of farm animal welfare
Geoforum v. 99, 2019: p. 1-10
DOI: 10.1016/j.geoforum.2018.12.013

Keyword: Farm animal welfare; Performative methods; Public understanding of science; Situated knowledges

No. 78

Oh, Imkyung; Lee, JaeHwan; Lee, Hyeon Gyu; Lee, Suyong

Feasibility of hydroxypropyl methylcellulose oleogel as an animal fat replacer for meat patties
Food Research International v. 122, 2019: p. 566-572
DOI: 10.1016/j.foodres.2019.01.012

Keyword: Animal fat; Hydroxypropyl methylcellulose; Meat patty; Oleogel; Saturated fat

No. 79

Hawkins, Emma L.; Hawkins, Roxanne D.; Dennis, Martin; Williams, Joanne M.; Lawrie, Stephen M.

Animal-assisted therapy for schizophrenia and related disorders: A systematic review
Journal of Psychiatric Research v. 115, 2019: p. 51-60
DOI: 10.1016/j.jpsychires.2019.05.013

Keyword: AAT; Animal-assisted intervention; Negative symptoms; Randomised controlled trial; Self-view

No. 80

Auger, Béatrice; Amiot, Catherine E.

The impact of imagined contact in the realm of human-animal relations: Investigating a superordinate generalization effect involving both valued and devalued animals
Journal of Experimental Social Psychology v. 85, 2019: p. 103872
DOI: 10.1016/j.jesp.2019.103872

Keyword: Attitudes; Human-animal relations; Imagined contact; Social dominance orientation; Speciesism; Superordinate generalization

No. 81

Molosse, Vitor; Souza, Carine F.; Baldissera, Matheus D.; Glombowsky, Patrícia; Campigotto, Gabriela; Cazaratto, Chrystian J.; Stefani, Lenita M.; da Silva, Aleksandro Schafer

Diet supplemented with curcumin for nursing lambs improves animal growth, energetic metabolism, and performance of the antioxidant and immune systems

Small Ruminant Research v. 170, 2019: p. 74-81

DOI: 10.1016/j.smallrumres.2018.11.014

Keyword: Curcumin; Additive; Animal production; Lambs; Toltrazuril

No. 83

Chabuz, Witold; Kulik, Mariusz; Sawicka-Zugaj, Wioletta; Żółkiewski, Paweł; Warda, Marianna; Pluta, Michał; Lipiec, Antoni; Bochniak, Andrzej; Zdulski, Jan

Impact of the type of use of permanent grasslands areas in mountainous regions on the floristic diversity of habitats and animal welfare

Global Ecology and Conservation v. 19, 2019: p. e00629

DOI: 10.1016/j.gecco.2019.e00629

Keyword: Grazing; Local breeds; Mowing; Vegetation changes

No. 85

Dal-Pont, Gustavo C.; Jório, Marco T.S.; Resende, Wilson R.; Gava, Fernanda F.; Aguiar-Geraldo, Jorge M.; Possamai-Della, Taise; Peper-Nascimento, Jefté; Quevedo, João; Valvassori, Samira S.

Effects of lithium and valproate on behavioral parameters and neurotrophic factor levels in an animal model of mania induced by paradoxical sleep deprivation

Journal of Psychiatric Research v. 119, 2019: p. 76-83

DOI: 10.1016/j.jpsychires.2019.09.003

Keyword: Bipolar disorder; Lithium; Depression; Neurotrophic factors; Paradoxical sleep deprivation; Valproate

No. 87

Yuan, Lunzhi; Chen, Yao; Liu, Xuan; Zhang, Yali; Zhou, Ming; Wu, Kun; Yuan, Quan; Cheng, Tong; Xia, Ningshao

Liver chimeric mice with tupaia hepatocyte transplantation as an animal model for hepatitis B virus infection and antiviral therapy

Biosafety and Health v. 1, 2019: p. 76-83

DOI: 10.1016/j.bsheal.2019.09.002

Keyword: Antiviral therapy; Hepatitis B; Infectious animal model; Liver chimeric mice; Tupaia

No. 82

Favorskaya, Margarita; Pakhirka, Andrey

Animal species recognition in the wildlife based on muzzle and shape features using joint CNN

Procedia Computer Science v. 159, 2019: p. 933-942

DOI: 10.1016/j.procs.2019.09.260

Keyword: Animal recognition; deep learning; muzzle features; shape features

No. 84

Dong, Shujun; Li, Xiaomin; Su, Xiaou; Wang, Peilong

Concentrations and congener group profiles of short- and medium-chain chlorinated paraffins in animal feed materials

Science of The Total Environment v. 647, 2019: p. 676-681

DOI: 10.1016/j.scitotenv.2018.08.017

Keyword: Animal feed; Chlorinated paraffins; Fish meal; MCCPs; SCCPs

No. 86

Zhang, Qingxun; Zhang, Zhichao; Ai, Sitong; Wang, Xiaoqi; Zhang, Ruiying; Duan, Ziyuan

Cryptosporidium spp., Enterocytozoon bienersi, and Giardia duodenalis from animal sources in the Qinghai-Tibetan Plateau Area (QTPA) in China

Comparative Immunology, Microbiology and Infectious Diseases v. 67, 2019: p. 101346

DOI: 10.1016/j.cimid.2019.101346

Keyword: Prevalence; Domestic animals; Genetic diversity; Intestinal pathogens; QTPA

No. 88

Veening-Griffioen, Désirée H.; Ferreira, Guilherme S.; van Meer, Peter J.K.; Boon, Wouter P.C.; Gispen-de Wied, Christine C.; Moors, Ellen H.M.; Schellekens, Huub

Are some animal models more equal than others? A case study on the translational value of animal models of efficacy for Alzheimer's disease

European Journal of Pharmacology v. 859, 2019: p. 172524

DOI: 10.1016/j.ejphar.2019.172524

Keyword: Alzheimer's disease; Animal model; Drug development; Efficacy model; External validity; Translational research

No. 89

Abbate, Jessica Maria; Arfuso, Francesca; Napoli, Ettore; Gaglio, Gabriella; Giannetto, Salvatore; Latrofa, Maria Stefania; Otranto, Domenico; Brianti, Emanuele

Leishmania infantum in wild animals in endemic areas of southern Italy
Comparative Immunology, Microbiology and Infectious Diseases v. 67 , 2019 : p. 101374

DOI: 10.1016/j.cimid.2019.101374

Keyword: Serology; Leporidae; qPCR; Red fox; Sicily

No. 90

Peyre, Marisa; Hoinville, Linda; Njoroge, James; Cameron, Angus; Traon, Daniel; Goutard, Flavie; Calba, Clémentine; Grosbois, Vladimir; Delabougli, Alexis; Varant, Viktor; Drewe, Julian; Pfeiffer, Dirk; Häslar, Barbara

The RISKSUR EVA tool (Survtool): A tool for the integrated evaluation of animal health surveillance systems

Preventive Veterinary Medicine v. 173, 2019: p. 104777

DOI: 10.1016/j.prevetmed.2019.104777

Keyword: Evaluation; Disease; Animal health; Animal health economics; Assessment; Decision tool; Surveillance

No. 91

Maurella, Cristiana; Mastrantonio, Gianluca; Bertolini, Silvia; Crescio, Maria Ines; Ingravalle, Francesco; Adkin, Amie; Simons, Robin; De Nardi, Marco; Estrada-Peña, Augustin; Horigan, Verity; Ru, Giuseppe

Social network analysis and risk assessment: An example of introducing an exotic animal disease in Italy

Microbial Risk Analysis v. 13, 2019: p.

DOI: 10.1016/j.mran.2019.04.001

Keyword: Blue Tongue; Exotic disease; Exposure assessment; Maps of risk; Social Network Analysis; Spatial distribution

No. 92

AbuOdeh, Raed; Ezzedine, Sinda; Madkour, Mohamed; Stensvold, Christen Rune; Samie, Amidou; Nasrallah, Gheyath; AlAbsi, Enas; ElBakri, Ali

Molecular Subtyping of Blastocystis from Diverse Animals in the United Arab Emirates

Protist v. 170, 2019: p. 125679

DOI: 10.1016/j.protis.2019.125679

Keyword: animals; sequencing; subtypes; United Arab Emirates.

No. 93

Cheng, Jiali; Zhang, Xianhui; Ma, Yan; Zhao, Jia; Tang, Zhenwu

Concentrations and distributions of polycyclic aromatic hydrocarbon in vegetables and animal-based foods before and after grilling: Implication for human exposure

Science of The Total Environment v. 690, 2019: p. 965-972

DOI: 10.1016/j.scitotenv.2019.07.074

Keyword: Animal-based foods; Grilling; Polycyclic aromatic hydrocarbons (PAHs); Risks; Vegetables

No. 94

García-Sancho, Miguel; Myelnikov, Dmitriy

Between mice and sheep: Biotechnology, agricultural science and animal models in late-twentieth century Edinburgh

Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences v. 75, 2019: p. 24-33

DOI: 10.1016/j.shpsc.2019.01.002

Keyword: Genetic; Animal model; Agricultural biotechnology; Dolly; Embryology; Neoliberalism

No. 95

Ang, Chin-Siang; Chan, Nee-Nee; Singh, Lavanya

A comparison study of meat eaters and non-meat eaters on mind attribution and moral disengagement of animals

Appetite v. 136, 2019: p. 80-85

DOI: 10.1016/j.appet.2019.01.019

Keyword: Animals that humans consume; Mind attribution; Moral disengagement; Pet animals

No. 96

Gao, Zihang; Shi, Qing; Fukuda, Toshio; Li, Chang; Huang, Qiang

An overview of biomimetic robots with animal behaviors

Neurocomputing v. 332, 2019: p. 339-350

DOI: 10.1016/j.neucom.2018.12.071

Keyword: Cognition; Biological neural network; Biomimetic robots; Locomotion; Robot-animal interaction

No. 97

Jirkof, Paulin; Schmutz, Jan B.

Social and organizational factors affecting biosafety compliance in animal facilities: An integrative analysis of safety rules within the system
Safety Science v. 118 , 2019 : p. 538-550

DOI: 10.1016/j.ssci.2019.05.053

Keyword: Animal facilities; Biosafety; Hierarchical task analysis; Rule compliance; Safety rules; SOPs

No. 98

Wang, Mingxia; Xu, Zhiqiang; Liu, Wenming; Li, Minjie; Wang, Haiwei; Yang, Decheng; Ma, Wenge; Zhou, Guohui; Yu, Li

Identification of a conserved linear epitope using monoclonal antibody against non-structural protein 3A of foot-and-mouth disease virus with potential for differentiation between infected and vaccinated animals
Research in Veterinary Science v. 124, 2019: p. 178-185

DOI: 10.1016/j.rvsc.2019.03.015

Keyword: Epitope mapping; Foot-and-mouth disease virus; Monoclonal antibody; Non-structural protein 3A

No. 99

Claffey, A.; Delaby, L.; Lewis, E.; Boland, T.M.; Kennedy, E.

Pasture allowance, duration, and stage of lactation—Effects on early and total lactation animal performance

Journal of Dairy Science v. 102, 2019: p. 8986-8998

DOI: 10.3168/jds.2018-15784

Keyword: dairy cow; early lactation stage; pasture allowance

No. 100

Gkouletsos, T.; Patas, K.; Lambrinidis, G.; Neubauer, H.; Sprague, L.D.; Ioannidis, A.; Chatzipanagiotou, S.

Antimicrobial resistance of *Yersinia enterocolitica* and presence of plasmid pYV virulence genes in human and animal isolates
New Microbes and New Infections v. 32, 2019: p. 100604

DOI: 10.1016/j.nmni.2019.100604

Keyword: Antimicrobial resistance; pYV plasmid

No. 101

Louton, Helen; Keppler, Christiane; Erhard, Michael; van Tuijl, Otto; Bachmeier, Josef; Damme, Klaus; Reese, Sven; Rauch, Elke

Animal-based welfare indicators of 4 slow-growing broiler genotypes for the approval in an animal welfare label program

Poultry Science v. 98, 2019: p. 2326-2337

DOI: 10.3382/ps/pez023

Keyword: welfare indicator; broiler genotype; gait score; slow growth

No. 102

Ravbar, Primoz; Branson, Kristin; Simpson, Julie H.

An automatic behavior recognition system classifies animal behaviors using movements and their temporal context

Journal of Neuroscience Methods v. 326, 2019: p. 108352

DOI: 10.1016/j.jneumeth.2019.108352

Keyword: Behavior; Grooming; Machine learning; Neuroethology

No. 103

Hunter, Caitlin; Verreynne, Martie-Louise; Pachana, Nancy; Harpur, Paul
The impact of disability-assistance animals on the psychological health of workplaces: A systematic review

Human Resource Management Review v. 29, 2019: p. 400-417

DOI: 10.1016/j.hrmr.2018.07.007

Keyword: Disability-assistance animal; Systematic literature review; Workplace diversity

No. 104

Sadeghi, Somaye; Mosaffa, Nariman; Hashemi, Seyed Mahmoud; Mehdi Naghizadeh, Mohammad; Ghazanfari, Tooba

The immunomodulatory effects of mesenchymal stem cells on long term pulmonary complications in an animal model exposed to a sulfur mustard analog

International Immunopharmacology v. , 2019: p. 105879

DOI: 10.1016/j.intimp.2019.105879

Keyword: Alveolar macrophage; Conditioned medium; Immunomodulatory; Mesenchymal stem cell; Sulfur mustard

No. 105

Zoladz, Phillip R.; D'Alessio, Paul A.; Seeley, Sarah L.; Kasler, Charis D.; Goodman, Cassandra S.; Mucher, Kasey E.; Allison, Alanis S.; Smith, Ian F.; Dodson, Jordan L.; Stoops, Thorne S.; Rorabaugh, Boyd R.
A predator-based psychosocial stress animal model of PTSD in females: Influence of estrous phase and ovarian hormones
Hormones and Behavior v. 115, 2019 : p. 104564
DOI: 10.1016/j.yhbeh.2019.104564

Keyword: Animal model; Estrous; Ovariectomy; PTSD; Sex differences; Stress

No. 106

Thomas, Derin M.; Fisher, Nicholas S.
Evaluation of body size and temperature on ¹³⁷Cs uptake in marine animals
Journal of Environmental Radioactivity v. 202, 2019: p. 25-31
DOI: 10.1016/j.jenvrad.2019.02.005

Keyword: Bioaccumulation; Cesium; Bioconcentration factor; Depuration; Marine prey species; Radiocesium

No. 107

Croyle, S.L.; Belage, E.; Khosa, D.K.; LeBlanc, S.J.; Haley, D.B.; Kelton, D.F.
Dairy farmers' expectations and receptivity regarding animal welfare advice: A focus group study
Journal of Dairy Science v. 102, 2019: p. 7385-7397
DOI: 10.3168/jds.2018-15821

Keyword: barn blindness; communication; herd health; vet-client relationship

No. 108

Chai, Beibei; Jiang, WeiJia; Hu, Mei; Wu, Yongji; Si, Hongbin
In vitro synergistic interactions of Protocatechuic acid and Chlorogenic acid in combination with antibiotics against animal pathogens
Synergy v. 9, 2019: p. 100055
DOI: 10.1016/j.synres.2019.100055

Keyword: Antibiotics; Fractional inhibitory concentration index (FICI); Synergy

No. 109

Zhang, Jin-Na; Yang, Lei; Zhang, Min; Liu, You-Sheng; Zhao, Jian-Liang; He, Liang-Ying; Zhang, Qian-Qian; Ying, Guang-Guo
Persistence of androgens, progestogens, and glucocorticoids during commercial animal manure composting process
Science of The Total Environment v. 665, 2019: p. 91-99
DOI: 10.1016/j.scitotenv.2019.02.120

Keyword: Animal manure; Composting; Dissipation; Health risk; Soil; Steroid hormones

No. 110

Dal-Pont, Gustavo C.; Resende, Wilson R.; Bianchini, Guilherme; Gava, Fernanda F.; Peterle, Bruna R.; Trajano, Kerolen S.; Varela, Roger B.; Quevedo, João; Valvassori, Samira S.
Tamoxifen has an anti-manic effect but not protect the brain against oxidative stress in an animal model of mania induced by ouabain
Journal of Psychiatric Research v. 113, 2019: p. 181-189
DOI: 10.1016/j.jpsychires.2019.03.020

Keyword: Oxidative stress; Bipolar disorder; Lithium; Mania; Ouabain; Tamoxifen

No. 111

Shabani, Sahreh; Farbood, Yaghoob; Sarkaki, Alireza; Mard, Seyyed Ali; Ahangarpour, Akram; Khorsandi, Layasadat
The effect of triiodothyronine on the hippocampal long-term potentiation in an animal model of the Alzheimer's disease: The role of BDNF and reelin
Neurology, Psychiatry and Brain Research v. 33, 2019: p. 82-88
DOI: 10.1016/j.npbr.2019.07.004

Keyword: Alzheimer's disease; Brain-derived neurotrophic factor; Ibotenic acid; Reelin; Triiodothyronin

No. 112

Jiang, Zhiwen; Liu, Guijuan; Yang, Yan; Shao, Kai; Wang, Yanting; Liu, Wanshun; Han, Baoqin
N-Acetyl chitooligosaccharides attenuate amyloid β -induced damage in animal and cell models of Alzheimer's disease
Process Biochemistry v. 84, 2019: p. 161-171
DOI: 10.1016/j.procbio.2019.06.014

Keyword: Alzheimer's disease; Amyloid beta; N-Acetyl chitooligosaccharides

No. 113

Chen, Xingcai; Gao, Min; Li, Yanxia; Zhang, Xuelian; Zhang, Fengsong; Hu, Baiyang

Effects of freeze-thaw cycles on the physicochemical characteristics of animal manure and its phosphorus forms

Waste Management v. 88, 2019 : p. 160-169

DOI: 10.1016/j.wasman.2019.03.039

Keyword: Freeze-thaw cycles; Moisture content; Particle size; Phosphorus forms; Pig manure

No. 114

Taghadosi, Roholla; Shakibaie, Mohammad Reza; Hosseini -Nave, Hossein

Antibiotic resistance, ESBL genes, integrons, phylogenetic groups and MLVA profiles of *Escherichia coli* pathotypes isolated from patients with diarrhea and farm animals in south-east of Iran

Comparative Immunology, Microbiology and Infectious Diseases v. 63, 2019: p. 117-126

DOI: 10.1016/j.cimid.2019.01.004

Keyword: Antibiotic resistance; Extended-spectrum β -lactamases; MLVA; Phylogenetic group

No. 115

dela Peña, Irene Joy I.; Botanas, Chrislean Jun; de la Peña, June Bryan; Custodio, Raly James; dela Peña, Ike; Ryoo, Zae Young; Kim, Bung-Nyun; Ryu, Jong Hoon; Kim, Hee Jin; Cheong, Jae Hoon

The Atxn7-overexpressing mice showed hyperactivity and impulsivity which were ameliorated by atomoxetine treatment: A possible animal model of the hyperactive-impulsive phenotype of ADHD

Progress in Neuro-Psychopharmacology and Biological Psychiatry v. 88, 2019: p. 311-319

DOI: 10.1016/j.pnpbp.2018.08.012

Keyword: Animal model; ADHD; Atxn7; Hyperactivity; Impulsivity

No. 116

Blanco-Penedo, Isabel; Sjöström, Karin; Jones, Philip; Krieger, Margret; Duval, Julie; van Soest, Felix; Sundrum, Albert; Emanuelson, Ulf

Structural characteristics of organic dairy farms in four European countries and their association with the implementation of animal health plans

Agricultural Systems v. 173, 2019: p. 244-253

DOI: 10.1016/j.agsy.2019.03.008

Keyword: Animal health, farm typologies; Cluster analysis; Multiple correspondence analysis; Organic dairy system; Tailored advisory services

No. 117

Hennessy, David A.; Zhang, Jing; Bai, Na

Animal health inputs, endogenous risk, general infrastructure, technology adoption and industrialized animal agriculture

Food Policy v. 83, 2019: p. 355-362

DOI: 10.1016/j.foodpol.2017.08.022

Keyword: Animal health; Concentrated animal feeding operations; Endogenous risk; Genetic inputs; Industrialized agriculture; Technology packages

No. 118

Totti, Stella; Ng, Keng Wooi; Dale, Lorraine; Lian, Guoping; Chen, Tao; Velliou, Eirini G.

A novel versatile animal-free 3D tool for rapid low-cost assessment of immunodiagnostic microneedles

Sensors and Actuators B: Chemical v. 296, 2019: p. 126652

DOI: 10.1016/j.snb.2019.126652

Keyword: Biomarker detection; Diagnostic device; Melanoma; Microneedles; S100B; Three-dimensional model

No. 119

Surayah Osman, Nor; Ayuna Mohd Khamil, Izume; Sapawe, Norzahir

Customer Satisfaction Survey on Sunflower Shell Waste Animal Feed Pellet

Materials Today: Proceedings v. 19, 2019: p. 1803-1809

DOI: 10.1016/j.matpr.2019.11.219

Keyword: ANOVA analysis; Customer satisfaction survey; sunflower shell waste-based animal feed pellet; value for money

No. 120

Hajduga, Maciej B.; Bobinski, Rafal

TiN, ZrN and DLC nanocoatings - a comparison of the effects on animals, in-vivo study

Materials Science and Engineering: C v. 104, 2019: p. 109949

DOI: 10.1016/j.msec.2019.109949

Keyword: DLC coatings; Nanocoatings; PVD; Tin; ZrN

No. 121

Lascelles, B.D.X.; Brown, D.C.; Conzemius, M.G.; Gill, M.; Oshinsky, M.L.; Sharkey, M.

Measurement of chronic pain in companion animals: Discussions from the Pain in Animals Workshop (PAW) 2017

The Veterinary Journal v. 250 , 2019 : p. 71-78

DOI: 10.1016/j.tvjl.2019.07.001

Keyword: Cat; Chronic; Dog; Measurement; Pain

No. 122

Wright, Elizabeth; Waterman, Anna J.; Peate, David W.; Kunst, Michael; Cardoso, João Luis; Detry, Cleia

Animal mobility in Chalcolithic Portugal: Isotopic analyses of cattle from the sites of Zambujal and Leceia

Journal of Archaeological Science: Reports v. 24, 2019: p. 804-814

DOI: 10.1016/j.jasrep.2019.02.005

Keyword: Fauna; Copper Age; Iberia; Leceia; Mobility; Strontium isotopes; Zambujal

No. 123

Kyme, Andre Z.; Angelis, Georgios I.; Eisenhuth, John; Fulton, Roger R.; Zhou, Victor; Hart, Genevra; Popovic, Kata; Akhtar, Mahmood; Ryder, William J.; Clemens, Kelly J.; Balleine, Bernard W.; Parmar, Arvind; Pascali, Giancarlo; Perkins, Gary; Meikle, St

Open-field PET: Simultaneous brain functional imaging and behavioural response measurements in freely moving small animals

NeuroImage v. 188, 2019: p. 92-101

DOI: 10.1016/j.neuroimage.2018.11.051

Keyword: Behaviour; Awake animal PET; Dopamine D2 receptors; Drug challenge; Kinetic modelling; Motion correction

No. 124

Woo, Hye Won; Lim, Young-Hyo; Kim, Mi Kyung; Shin, Jinho; Lee, Young-Hoon; Shin, Dong Hoon; Shin, Min-Ho; Choi, Bo Youl

Prospective associations between total, animal, and vegetable calcium intake and metabolic syndrome in adults aged 40 years and older

Clinical Nutrition v. , 2019: p.

DOI: 10.1016/j.clnu.2019.10.020

Keyword: Calcium; Korea; Metabolic syndrome; Prospective

No. 125

Catal, Cagatay; Tekinerdogan, Bedir

Aligning Education for the Life Sciences Domain to Support Digitalization and Industry 4.0

Procedia Computer Science v. 158, 2019: p. 99-106

DOI: 10.1016/j.procs.2019.09.032

Keyword: Education; data analytics; Industry 4.0; Internet of Things (IoT); machine learning

No. 126

Ye, Huaqun; Zhou, Yuanyuan; Su, Ningning; Wang, Anli; Tan, Xiaohong; Sun, Zhenzhu; Zou, Cuiyun; Liu, Qingying; Ye, Chaoxia

Effects of replacing fish meal with rendered animal protein blend on growth performance, hepatic steatosis and immune status in hybrid grouper (*Epinephelus fuscoguttatus* ♀ × *Epinephelus lanceolatus* ♂)

Aquaculture v. 511, 2019: p. 734203

DOI: 10.1016/j.aquaculture.2019.734203

Keyword: Fish meal; Hepatic steatosis; Hybrid grouper; Immune status; Render animal protein blend

No. 127

Wanser, Shelby H.; Udell, Monique A.R.

Does attachment security to a human handler influence the behavior of dogs who engage in animal assisted activities?

Applied Animal Behaviour Science v. 210, 2019: p. 88-94

DOI: 10.1016/j.applanim.2018.09.005

Keyword: Dogs; Animal assisted activities; Attachment; Gaze; Secure base effect

No. 128

Faatehi, Mahdijeh; Basiri, Mohsen; Nezhadi, Akram; Shabani, Mohammad; Masoumi-Ardakani, Yaser; Soltani, Zahra; Nozari, Masoumeh

Early enriched environment prevents cognitive impairment in an animal model of schizophrenia induced by MK-801: Role of hippocampal BDNF

Brain Research v. 1711, 2019: p. 115-119

DOI: 10.1016/j.brainres.2019.01.023

Keyword: Brain-derived neurotrophic factor; Enriched environment; MK-801; Novel object recognition; Schizophrenia

No. 129

Mourad, Roya; Jaafar, Hadi H.; Daghir, Nuhad

New estimates of water footprint for animal products in fifteen countries of the Middle East and North Africa (2010–2016)

Water Resources and Industry v. 22, 2019 : p. 100113

DOI: 10.1016/j.wri.2019.100113

Keyword: Poultry; Dairy; Beef; Blue water; Green water; Sheep and goats

No. 130

Swart, Ingeborg; Beumer, Mieke; Klein, Wouter; van Andel, Tinde

Bodies of the plant and Animal Kingdom: An illustrated manuscript on materia medica in the Netherlands (ca. 1800)

Journal of Ethnopharmacology v. 237, 2019: p. 236-244

DOI: 10.1016/j.jep.2019.03.051

Keyword: Amsterdam; Animal products; Drug trade; Historical manuscripts; Medicinal plants

No. 131

Uyeh, Daniel Dooyum; Pamulapati, Trinadh; Mallipeddi, Rammohan; Park, Tusan; Asem-Hiablie, Senorpe; Woo, Seungmin; Kim, Junhee; Kim, Yeongsu; Ha, Yushin

Precision animal feed formulation: An evolutionary multi-objective approach

Animal Feed Science and Technology v. 256, 2019: p. 114211

DOI: 10.1016/j.anifeedsci.2019.114211

Keyword: Animal feed formulation; Decision-making process; Evolutionary algorithm; Multi-objective optimization; Pareto front

No. 132

Sochilina, Anastasia V.; Budylin, Nikita Y.; Gamisonia, Alina M.; Chalykh, Anatoly E.; Zubov, Vitaly P.; Vikhrov, Alexander A.

Multichannel hydrogel based on a chitosan–poly(vinyl alcohol) composition for directed growth of animal cells

Colloids and Surfaces B: Biointerfaces v. 184, 2019: p. 110495

DOI: 10.1016/j.colsurfb.2019.110495

Keyword: Chitosan; Directed growth of animal cells; Multichannel hydrogel; Oriented channel system; Poly(vinyl alcohol)

No. 133

Surayah Osman, Nor; Sapawe, Norzahir

Petz Munchez – Sunflower Shell Waste-Based Animal Feed Pellet

Materials Today: Proceedings v. 19, 2019: p. 1771-1776

DOI: 10.1016/j.matpr.2019.11.215

Keyword:

No. 134

Czycholl, Irena; Klingbeil, Philipp; Krieter, Joachim

Interobserver Reliability of the Animal Welfare Indicators Welfare Assessment Protocol for Horses

Journal of Equine Veterinary Science v. 75, 2019: p. 112-121

DOI: 10.1016/j.jevs.2019.02.005

Keyword: Reliability; Animal welfare; Animal-based; AWIN; Horses; Observer

No. 135

Karlsson, Johan O.; Rööös, Elin

Resource-efficient use of land and animals—Environmental impacts of food systems based on organic cropping and avoided food-feed competition

Land Use Policy v. 85, 2019: p. 63-72

DOI: 10.1016/j.landusepol.2019.03.035

Keyword: Bioenergy; Crop rotation; Default livestock; Food system; Organic agriculture

No. 136

Schultz, Amy A.; Peppard, Paul; Gangnon, Ron E.; Malecki, Kristen M.C.

Residential proximity to concentrated animal feeding operations and allergic and respiratory disease

Environment International v. 130, 2019: p. 104911

DOI: 10.1016/j.envint.2019.104911

Keyword: Air pollution; Allergies; Asthma; Concentrated animal feeding operation; Lung function

No. 137

Sadeddine, Rima; Diarra, Adama Zan; Laroche, Maureen; Mediannikov, Oleg; Righi, Souad; Benakhla, Ahmed; Dahmana, Handi; Raoult, Didier; Parola, Philippe

Molecular identification of protozoal and bacterial organisms in domestic animals and their infesting ticks from north-eastern Algeria
Ticks and Tick-borne Diseases v. , 2019 : p. 101330

DOI: 10.1016/j.ttbdis.2019.101330

Keyword: Algeria; Piroplamorida; Ticks

No. 138

Mamoulakis, Charalampos; Fragkiadoulaki, Irene; Karkala, Phaedra; Georgiadis, Georgios; Zisis, Ioannis-Erineos; Stivaktakis, Polychronis; Kalogeraki, Alexandra; Tsiaoussis, Ioannis; Burykina, Tatyana; Lazopoulos, George; Tsarouhas, Konstantinos; Kouretas, Contrast-induced nephropathy in an animal model: Evaluation of novel biomarkers in blood and tissue samples

Toxicology Reports v. 6, 2019: p. 395-400

DOI: 10.1016/j.toxrep.2019.04.007

Keyword: Animal; Models; Asymmetric dimethylarginine; Contrast media; Iopromide; Kidney; Nephropathy; Nephrotoxicity; Symmetric dimethylarginine

No. 139

Mohammadi Vosough, Elahe; Baradaran Rahimi, Vafa; Masoud, Seyyed Ali; Mirkarimi, Hamid Reza; Demneh, Maryam Kazemi; Abed, Alireza; Banafshe, Hamid Reza; Askari, Vahid Reza

Evaluation of protective effects of non-selective cannabinoid receptor agonist WIN 55,212-2 against the nitroglycerine-induced acute and chronic animal models of migraine: A mechanistic study

Life Sciences v. 232, 2019: p. 116670

DOI: 10.1016/j.lfs.2019.116670

Keyword: Cannabinoid; Hyperalgesia; Migraine; Nitroglycerin; WIN 55,212-2

No. 140

Liu, Qiong; Zhang, Meng; Chen, Lansun

State feedback impulsive therapy to SIS model of animal infectious diseases

Physica A: Statistical Mechanics and its Applications v. 516, 2019: p. 222-232

DOI: 10.1016/j.physa.2018.09.161

Keyword: Impulsive dynamic system; Limited cycle; State feedback; Zoonosis

No. 141

Saxena, Pratiksha; Parasher, Yaman

Application of Artificial Neural Network (ANN) for Animal Diet Formulation Modeling

Procedia Computer Science v. 152, 2019: p. 261-266

DOI: 10.1016/j.procs.2019.05.018

Keyword: artificialneuralnetwork; Mathematicalmodeling; R

No. 142

Liang, Yu-Chuan; Lin, Chuan-Ju; Yang, Cheng-Ying; Chen, Yung-Hsiang; Yang, Meng-Ting; Chou, Fu-Shiuan; Yang, Wen-Chin; Chang, Cicero Lee-Tian

Toxicity study of Bidens pilosa in animals

Journal of Traditional and Complementary Medicine v. , 2019: p.

DOI: 10.1016/j.jtcme.2019.04.002

Keyword: Mice; Mortality; Adverse effect; Asteraceae; Chronic toxicity

No. 143

Tanichi, Masaaki; Shimizu, Kunio; Enomoto, Shingo; Koga, Minoru; Toda, Hiroyuki; Nagamine, Masanori; Suzuki, Eiji; Nibuya, Masashi

The effects of eicosapentaenoic acid dietary supplementation on behavioral parameters and expression of hippocampal brain-derived neurotrophic factor in an animal model of post-traumatic stress disorder

European Journal of Pharmacology v. 865, 2019: p. 172751

DOI: 10.1016/j.ejphar.2019.172751

Keyword: Animal model; Brain-derived neurotrophic factor; Eicosapentaenoic acid; Numbing/avoidance behaviors; Post-traumatic stress disorder

No. 144

Massari, R.; D'Elia, A.; Soluri, A.

Preliminary results on a small animal SPECT system based on H13700 PSMPPT coupled with CRY018 array

Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment v. 940, 2019: p. 296-301

DOI: 10.1016/j.nima.2019.06.013

Keyword: Monte Carlo; GATE; Position sensitive photomultiplier tube; Scintigraphic small animal imaging; SPECT

No. 145

Volli, Vikranth; Purkait, Mihir Kumar; Shu, Chi-Min
 Preparation and characterization of animal bone powder impregnated fly ash catalyst for transesterification
 Science of The Total Environment v. 669 , 2019 : p. 314-321
 DOI: 10.1016/j.scitotenv.2019.03.080
Keyword: Biodiesel; Calcined animal bone powder; Fly ash; Heterogeneous solid base catalyst; Transesterification

No. 146

Koo, Taewoan; Yulisa, Arma; Hwang, Seokhwan
 Microbial community structure in full scale anaerobic mono-and co-digesters treating food waste and animal waste
 Bioresource Technology v. 282, 2019: p. 439-446
 DOI: 10.1016/j.biortech.2019.03.050
Keyword: Bacteria; Anaerobic digestion; Core microorganisms; Methanogen

No. 147

Modrow, Jan-Hendrik; Schwark, Thorsten; Nuss, Niklas; Meyer, Nele; Hempel, Jamie; von Wurmb-Schwark, Nicole
 Interval of detectability of predator DNA after livestock (and wild animal) predation
 Forensic Science International: Genetics Supplement Series v. 7, 2019: p. 191-193
 DOI: 10.1016/j.fsigss.2019.09.128
Keyword: DNA analysis; Livestock; Predation; Wolf

No. 148

Kumar, Anuj; Rana, Akhilesh Kumar; Singh, Amit; Singh, Alok
 Bioactivity of methanolic extract of Brassica juncea in animal model of diabetes mellitus
 Chinese Herbal Medicines v. 11, 2019: p. 434-437
 DOI: 10.1016/j.chmed.2019.04.007
Keyword: (L.) Czern. et Coss; anti-hyperglycemic; anti-oxidant

No. 149

Pimentel, E.C.G.; Edel, C.; Emmerling, R.; Götz, K.-U.
 Technical note: Methods for interim prediction of single-step breeding values for young animals
 Journal of Dairy Science v. 102, 2019: p. 3266-3273
 DOI: 10.3168/jds.2018-15592
Keyword: genotype; genomic breeding value; indirect prediction; SNP effect

No. 150

Matsuda, Yusaku; Nonaka, Yosuke; Futakawa, Satoshi; Imai, Hirotaka; Akita, Kazumasa; Nishihata, Toshiaki; Fujiwara, Masatoshi; Ali, Yusuf; Bhisitkul, Robert B.; Nakamura, Yoshikazu
 Anti-Angiogenic and Anti-Scarring Dual Action of an Anti-Fibroblast Growth Factor 2 Aptamer in Animal Models of Retinal Disease
 Molecular Therapy - Nucleic Acids v. 17, 2019: p. 819-828
 DOI: 10.1016/j.omtn.2019.07.018
Keyword: AMD; angiogenesis; aptamer; FGF2; fibrosis; VEGF inhibitors

No. 151

Ouoba, Jean Bienvenue; Traore, Kuan Abdoulaye; Rouamba, Hortense; Setondji, Komi Victor-Mari; Minoungou, Germaine L.; Ouoba, Bruno Lalidia; Ouedraogo, Anne; Moctar, Sidi; M'Bengue, Alphonsine Kouassi; Kakou, Solange Ngazoa; Doumbia, Moussa; Traore, Alfred
 Prevalence of anti-hepatitis E virus antibodies in domestic animal from three representative provinces of Burkina Faso
 Veterinary and Animal Science v. 7, 2019: p. 100059
 DOI: 10.1016/j.vas.2019.100059
Keyword: Seroprevalence; Zoonosis; Burkina Faso; Hepatitis E virus; Lagomorphs; Ungulata

No. 152

Bayat, Samaneh; Amiri, Nafise; Pishavar, Elham; Kalalinia, Fatemeh; Movaffagh, Jebrael; Hashemi, Maryam
 Bromelain-loaded chitosan nanofibers prepared by electrospinning method for burn wound healing in animal models
 Life Sciences v. 229, 2019: p. 57-66
 DOI: 10.1016/j.lfs.2019.05.028
Keyword: Chitosan; Bromelain; Burn wound healing; Electrospinning; Nanofiber

No. 153

Azémar, Clara; Zazzo, Antoine; Marie, Arul; Lepetz, Sébastien; Debaine-Francfort, Corinne; Idriss, Abduressul; Zirah, Séverine
 Animal fibre use in the Keriya valley (Xinjiang, China) during the Bronze and Iron Ages: A proteomic approach
 Journal of Archaeological Science v. 110, 2019 : p. 104996
 DOI: 10.1016/j.jas.2019.104996

Keyword: Animal fibres; Bronze age; Iron age; Keratin; Proteomics; Textiles; Xinjiang

No. 154

Kulik, Mariusz; Patkowski, Krzysztof; Warda, Marianna; Lipiec, Antoni; Bojar, Wiktor; Gruszecki, Tomasz M.
 Assessment of biomass nutritive value in the context of animal welfare and conservation of selected Natura 2000 habitats (4030, 6120 and 6210) in eastern Poland
 Global Ecology and Conservation v. 19, 2019: p. e00675
 DOI: 10.1016/j.gecco.2019.e00675

Keyword: Sheep; Grazing; Biomass yield; Dry heaths; Xeric sand grasslands; Xerothermic grasslands

No. 155

Paniagua, Montserrat; Crespo, Javier; Arís, Anna; Devant, Maria
 Citrus aurantium flavonoid extract improves concentrate efficiency, animal behavior, and reduces rumen inflammation of Holstein bulls fed high-concentrate diets
 Animal Feed Science and Technology v. 258, 2019: p. 114304
 DOI: 10.1016/j.anifeedsci.2019.114304

Keyword: Performance; Behavior; Bulls; Bitter taste receptors; Flavonoids; Rumen inflammation

No. 156

Xiong, Jing; Zheng, Tian-jiao; Shi, Yan; Wei, Feng; Ma, Shuang-cheng; He, Lan; Wang, Si-cen; Liu, Xin-she
 Analysis of the fingerprint profile of bioactive constituents of traditional Chinese medicinal materials derived from animal bile using the HPLC–ELSD and chemometric methods: An application of a reference scaleplate
 Journal of Pharmaceutical and Biomedical Analysis v. 174, 2019: p. 50–56
 DOI: 10.1016/j.jpba.2019.05.035

Keyword: Bile acid; Chemometrics; Fingerprint; High-performance liquid chromatography; Traditional Chinese medicine

No. 157

Baiocchi, María Celeste; Waxman, Sandra; Pérez, Érida María; Pérez, Aurelia; Taverna, Andrea
 Social-ecological relations among animals serve as a conceptual framework among the Wichi
 Cognitive Development v. 52, 2019: p. 100807
 DOI: 10.1016/j.cogdev.2019.100807

Keyword: Categorization; Folkecology; Social relations; Taxonomic relations; Wichi

No. 158

Huang, Yonghong; Zang, Huan; Cheng, Xiaodong; Wu, Hongsheng; Li, Jueyou
 Data-driven soft sensor for animal cell suspension culture process based on DRVM
 Applied Soft Computing v. 77, 2019: p. 34–40
 DOI: 10.1016/j.asoc.2018.09.043

Keyword: Animal cell; Data-driven; DRVM; Soft sensor; Suspension culture

No. 159

Esmaeili, Saber; Mohabati Mobarez, Ashraf; Khalili, Mohammad; Mostafavi, Ehsan
 High prevalence and risk factors of Coxiella burnetii in milk of dairy animals with a history of abortion in Iran
 Comparative Immunology, Microbiology and Infectious Diseases v. 63, 2019: p. 127–130
 DOI: 10.1016/j.cimid.2019.01.015

Keyword: Milk; Abortion; Iran; Q fever; Shedding

No. 160

Koh, Eun-Hee; Kaown, Dugin; Kim, Hyun Jung; Lee, Kang-Kun; Kim, Hyunkoo; Park, Sunhwa
 Nationwide groundwater monitoring around infectious-disease-caused livestock mortality burials in Korea: Superimposed influence of animal leachate on pre-existing anthropogenic pollution
 Environment International v. 129, 2019: p. 376–388
 DOI: 10.1016/j.envint.2019.04.073

Keyword: Avian influenza; Carcasses burial; Foot-and-mouth-disease; Groundwater quality monitoring; Leachate

No. 161

Martín-Gómez, César; Zuazua-Ros, Amaia; Bermejo-Busto, Javier; Baquero, Enrique; Miranda, Rafael; Sanz, Cristina
 Potential strategies offered by animals to implement in buildings' energy performance: Theory and practice
 Frontiers of Architectural Research v. 8, 2019 : p. 17-31
 DOI: 10.1016/j.foar.2018.12.002
Keyword: Biomimicry; Building services; Energy systems; Multidisciplinary; Passive design

No. 162

Parkins, Kate; Scott, Amy; Di Stefano, Julian; Swan, Matthew; Sitters, Holly; York, Alan
 Habitat use at fire edges: Does animal activity follow temporal patterns of habitat change?
 Forest Ecology and Management v. 451, 2019: p. 117343
 DOI: 10.1016/j.foreco.2019.05.013
Keyword: Biodiversity; Edge effects; Fire ecology; Fire management; Mammals

No. 163

Ponnaiah, Sathish Kumar; Prakash, Periakaruppan; Muthupandian, Saravanan
 Ultrasonic energy-assisted in-situ synthesis of RuO/PANI/g-C3N4 nanocomposite: Application for picomolar-level electrochemical detection of endocrine disruptor (Bisphenol-A) in humans and animals
 Ultrasonics Sonochemistry v. 58, 2019: p. 104629
 DOI: 10.1016/j.ultsonch.2019.104629
Keyword: Bisphenol A; Nanocomposite; Ru/PANI/g-CN; Sonochemical synthesis; Urine samples; Voltammetry

No. 164

Borges, João Augusto Rossi; Domingues, Carla Heloisa de Faria; Caldara, Fabiana Ribeiro; Rosa, Nadir Paula da; Senger, Igor; Guidolin, Diego Gomes Freire
 Identifying the factors impacting on farmers' intention to adopt animal friendly practices
 Preventive Veterinary Medicine v. 170, 2019: p. 104718
 DOI: 10.1016/j.prevetmed.2019.104718
Keyword: Environmental enrichment; MIMIC models; Partial least square; Pig production; Structural equation modeling

No. 165

Webber, Quinn M.R.; Vander Wal, Eric
 Trends and perspectives on the use of animal social network analysis in behavioural ecology: a bibliometric approach
 Animal Behaviour v. 149, 2019: p. 77-87
 DOI: 10.1016/j.anbehav.2019.01.010
Keyword: association index; biologging; conservation behaviour; social network metric

No. 166

Rombach, M.; Südekum, K.-H.; Münger, A.; Schori, F.
 Herbage dry matter intake estimation of grazing dairy cows based on animal, behavioral, environmental, and feed variables
 Journal of Dairy Science v. 102, 2019: p. 2985-2999
 DOI: 10.3168/jds.2018-14834
Keyword: dairy cow; herbage intake estimation; mastication; pasture; prehension

No. 167

Sirotkin, A.V.; Alexa, R.; Alwasel, S.; Harrath, A.H.
 The phytoestrogen, diosgenin, directly stimulates ovarian cell functions in two farm animal species
 Domestic Animal Endocrinology v. 69, 2019: p. 35-41
 DOI: 10.1016/j.domaniend.2019.04.002
Keyword: Apoptosis; Diosgenin; Hormones; Ovary; Proliferation

No. 168

Kingsbury, Lyle; Huang, Shan; Wang, Jun; Gu, Ken; Golshani, Peyman; Wu, Ye Emily; Hong, Weizhe
 Correlated Neural Activity and Encoding of Behavior across Brains of Socially Interacting Animals
 Cell v. 178, 2019: p. 429-446.e16
 DOI: 10.1016/j.cell.2019.05.022
Keyword: calcium imaging; hyperscanning; interbrain synchrony; miniscope; mouse; mPFC; neural circuit; prefrontal cortex; social behavior; social dominance

No. 169

Ahmed, Heba A.; Ishrat, Tauheed; Pillai, Bindu; Bunting, Kristopher M.; Vazdarjanova, Almira; Waller, Jennifer L.; Ergul, Adviye; Fagan, Susan C. Angiotensin receptor (AT2R) agonist C21 prevents cognitive decline after permanent stroke in aged animals—A randomized double-blind pre-clinical study
Behavioural Brain Research v. 359, 2019 : p. 560-569
DOI: 10.1016/j.bbr.2018.10.010

Keyword: AT2 receptor; Compound 21; Permanent stroke; Post-stroke cognitive impairment; RAS modulation

No. 171

Stukalin, Yelena; Einat, Haim
Analyzing test batteries in animal models of psychopathology with multivariate analysis of variance (MANOVA): One possible approach to increase external validity
Pharmacology Biochemistry and Behavior v. 178, 2019: p. 51-55
DOI: 10.1016/j.pbb.2017.11.003

Keyword: Bipolar disorder; Depression; Affective disorders; Animal models; Reproducibility; Statistical analysis; Test batteries

No. 173

Zhao, Jun; Li, Guo-Biao; Selden, Paul A.
A poorly preserved fish-like animal from the Chengjiang Lagerstätte (Cambrian Series 2, Stage 3)
Palaeogeography, Palaeoclimatology, Palaeoecology v. 520, 2019: p. 163-172
DOI: 10.1016/j.palaeo.2019.02.005

Keyword: Event mudstone beds; Myllokunmingiid; Organic decay; Slow accumulation

No. 175

Zheng, Weijia; Yoo, Kyung-Hee; Abd El-Aty, A.M.; Park, Da-Hee; Choi, Jeong-Min; Kim, Seong-Kwan; Kang, Young-Sun; Zhang, Hongxia; Hacimüftüoğlu, Ahmet; Bekhit, Alaa El-Din; Wang, Jing; Shim, Jae-Han; Shin, Ho-Chul
Quantitative determination of carbasalate calcium derived metabolites, acetylsalicylic acid and salicylic acid, in six animal foods using liquid-liquid extraction method coupled with liquid chromatography-tandem mass spectrometry
Food Chemistry v. 278, 2019: p. 744-750
DOI: 10.1016/j.foodchem.2018.11.118

Keyword: Residue; Acetylsalicylic acid; Animal-derived foods; Carbasalate calcium; Liquid chromatography-tandem mass spectrometry; Salicylic acid

No. 170

Benaouda, Mohammed; Martin, Cécile; Li, Xinran; Kebreab, Ermias; Hristov, Alexander N.; Yu, Zhongtang; Yáñez-Ruiz, David R.; Reynolds, Christopher K.; Crompton, Les A.; Dijkstra, Jan; Bannink, André; Schwarm, Angela; Kreuzer, Michael; McGee, Mark; Lund, P
Evaluation of the performance of existing mathematical models predicting enteric methane emissions from ruminants: Animal categories and dietary mitigation strategies
Animal Feed Science and Technology v. 255, 2019: p. 114207
DOI: 10.1016/j.anifeedsci.2019.114207

Keyword: Ruminant; Dietary strategy; Methane emission; Model evaluation

No. 172

Yuan, Zengwei; Ji, Jiaying; Sheng, Hu; Jiang, Songyan; Chen, Tianming; Liu, Xuwei; Liu, Xin; Zhuang, Yujie; Zhang, Ling
Animal based diets and environment: Perspective from phosphorus flow quantifications of livestock and poultry raising in China
Journal of Environmental Management v. 244, 2019: p. 199-207
DOI: 10.1016/j.jenvman.2019.04.028

Keyword: Environmental management; Food security; Livestock and poultry; Phosphorus cycles; Sustainable consumption

No. 174

Mirshekar, Mohammad Ali; Shahraki, Mohammadreza; Najafi, Reza; Shabani, Sahreh
The ameliorative effects of myricetin on neurobehavioral activity, electrophysiology, and biochemical changes in an animal model of traumatic brain injury
Learning and Motivation v. 68, 2019: p. 101597
DOI: 10.1016/j.lmot.2019.101597

Keyword: Cognition; Long-term potentiation; Myricetin; Rats; Traumatic brain injury

No. 176

Leandro, Camila; Jay-Robert, Pierre
Perceptions and representations of animal diversity: Where did the insects go?
Biological Conservation v. 237, 2019: p. 400-408
DOI: 10.1016/j.biocon.2019.07.031

Keyword: Environmental education; Free-association; Insect conservation; Joint attention; Perception challenge

No. 177

Collett, Mark G.

Photosensitisation diseases of animals: Classification and a weight of evidence approach to primary causes

Toxicon: X v. 3 , 2019 : p. 100012

DOI: 10.1016/j.toxcx.2019.100012

Keyword: Anthraquinone; Chlorophyll derivatives; Classification according to weight of evidence; Classification of photosensitisation diseases; Furanocoumarin; Perylenequinone; Phototoxic plant; Primary phototoxicity

No. 178

Ring, S.C.; Evans, R.D.; Doherty, M.L.; Berry, D.P.

Genetic parameters for animal mortality in pasture-based, seasonal-calving dairy and beef herds

Livestock Science v. 219, 2019: p. 10-16

DOI: 10.1016/j.livsci.2018.11.003

Keyword: Dairy; Beef; Cow mortality; Death; Genetics; Young animal mortality

No. 179

Dickinson, George E.; Hoffmann, Heath C.

Animal hospice and palliative care: Veterinarians' experiences and preferred practices

Journal of Veterinary Behavior v. 32, 2019: p. 57-61

DOI: 10.1016/j.jveb.2019.04.008

Keyword: euthanasia; grief; palliative care; palliative sedation; QOL measures

No. 180

Cheng, Jie; Wang, Shi; Zhang, Su; Wang, Peilong; Xie, Jianchun; Han, Caiqin; Su, Xiao-Ou

Rapid and sensitive determination of clenbuterol residues in animal urine by surface-enhanced Raman spectroscopy

Sensors and Actuators B: Chemical v. 279, 2019: p. 7-14

DOI: 10.1016/j.snb.2018.09.103

Keyword: Animal urine; Clenbuterol; Determination; Liquid-liquid extraction; Surface-enhanced Raman spectroscopy

No. 181

Jiřík, Radovan; Tact, Torfinn; Macíček, Ondřej; Bartoš, Michal; Kratochvíla, Jiří; Souček, Karel; Dražanová, Eva; Krátká, Lucie; Hampl, Aleš; Starčuk, Zenon

Blind deconvolution estimation of an arterial input function for small animal DCE-MRI

Magnetic Resonance Imaging v. 62, 2019: p. 46-56

DOI: 10.1016/j.mri.2019.05.024

Keyword: Arterial input function; Blind deconvolution; DCE-MRI

No. 182

Orton, E. Christopher

Epicardial pacemaker implantation in small animals

Journal of Veterinary Cardiology v. 22, 2019: p. 65-71

DOI: 10.1016/j.jvc.2018.11.004

Keyword: Cat; Dog; Cardiac pacing

No. 183

Acevedo-Giraldo, J.D.; Sánchez, J.A.; Romero, M.H.

Effects of feed withdrawal times prior to slaughter on some animal welfare indicators and meat quality traits in commercial pigs

Meat Science v. , 2019: p. 107993

DOI: 10.1016/j.meatsci.2019.107993

Keyword: Fasting; Killing-out; Lairage time; Meat quality; Pre-slaughter stress

No. 184

Simons, Robin R.L.; Horigan, Verity; Ip, Sophie; Taylor, Rachel A.; Crescio, Maria I.; Maurella, Cristiana; Mastrantonio, Gianluca; Bertolini, Silvia; Ru, Giuseppe; Cook, Charlotte; Adkin, Amie

A spatial risk assessment model framework for incursion of exotic animal disease into the European Union Member States

Microbial Risk Analysis v. 13, 2019: p.

DOI: 10.1016/j.mran.2019.05.001

Keyword: Exotic disease; European Union; Incursion; Release assessment; Spatial model

No. 185

Isah, Usman Mohammed

Studies on the prevalence of fascioliasis among ruminant animals in northern Bauchi state, north-eastern Nigeria

Parasite Epidemiology and Control v. 5 , 2019 : p. e00090

DOI: 10.1016/j.parepi.2019.e00090

Keyword: Infection; Prevalence; Fascioliasis; Ruminants

No. 186

Lewis, Alan S.; Picciotto, Marina R.

Regulation of aggressive behaviors by nicotinic acetylcholine receptors: animal models, human genetics, and clinical studies

Neuropharmacology v. , 2019: p. 107929

DOI: 10.1016/j.neuropharm.2019.107929

Keyword: acetylcholine; aggression; aggressive behavior; impulsivity; Nicotine; nicotinic receptor

No. 187

Kuang, Zhonghua; Wang, Xiaohui; Fu, Xin; Ren, Ning; Yang, Qian; Zhao, Binqing; Zhang, Chunhui; Wu, San; Sang, Zirui; Hu, Zhanli; Du, Junwei; Liang, Dong; Liu, Xin; Zheng, Hairong; Yang, Yongfeng

Dual-ended readout small animal PET detector by using 0.5 mm pixelated LYSO crystal arrays and SiPMs

Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment v. 917, 2019: p. 1-8

DOI: 10.1016/j.nima.2018.11.011

Keyword: Depth of interaction; Dual-ended readout; High resolution; SiPM; Small animal PET

No. 188

Dórea, Fernanda C.; Vial, Flavie; Hammar, Karl; Lindberg, Ann; Lambrix, Patrick; Blomqvist, Eva; Revie, Crawford W.

Drivers for the development of an Animal Health Surveillance Ontology (AHSO)

Preventive Veterinary Medicine v. 166, 2019: p. 39-48

DOI: 10.1016/j.prevetmed.2019.03.002

Keyword: Vocabulary; Classification; Standards; Syndromic surveillance; Terminology

No. 189

Godinho, Valéria Martins; de Paula, Maria Theresa Rafaela; Silva, Débora Amorim Saraiva; Paresque, Karla; Martins, Aline Paternostro; Colepiccolo, Pio; Rosa, Carlos Augusto; Rosa, Luiz Henrique

Diversity and distribution of hidden cultivable fungi associated with marine animals of Antarctica

Fungal Biology v. 123, 2019: p. 507-516

DOI: 10.1016/j.funbio.2019.05.001

Keyword: Taxonomy; Antarctic ocean; Extremophiles; Marine fungi

No. 190

de Souza Filho, William; Nunes, Pedro Arthur de Albuquerque; Barro, Raquel Santiago; Kunrath, Taise Robinson; de Almeida, Gleice Menezes; Genro, Teresa Cristina Moraes; Bayer, Cimélio; de Faccio Carvalho, Paulo César

Mitigation of enteric methane emissions through pasture management in integrated crop-livestock systems: Trade-offs between animal performance and environmental impacts

Journal of Cleaner Production v. 213, 2019: p. 968-975

DOI: 10.1016/j.jclepro.2018.12.245

Keyword: Grazing; Black oat; Continuous stocking; Greenhouse gas emission; Italian ryegrass; Sustainable intensification

No. 191

Bhat, Zuhaib F.; Morton, James D.; Mason, Susan L.; Bekhit, Alaa El-Din A.

Does pulsed electric field have a potential to improve the quality of beef from older animals and how?

Innovative Food Science & Emerging Technologies v. 56, 2019: p. 102194

DOI: 10.1016/j.ifset.2019.102194

Keyword: Calpain activity; Dairy beef; Physicochemical properties; Pulsed electric field; Shear force; Western blotting

No. 192

Dighe, Amy; Jombart, Thibaut; Van Kerkhove, Maria D.; Ferguson, Neil

A systematic review of MERS-CoV seroprevalence and RNA prevalence in dromedary camels: Implications for animal vaccination

Epidemics v. 29, 2019: p. 100350

DOI: 10.1016/j.epidem.2019.100350

Keyword: Seroprevalence; MERS-CoV; Dromedary camels; Prevalence of infection

No. 193

Machado-Santos, Ana R.; Alves, Nuno D.; Araújo, Bruna; Correia, Joana S.; Patrício, Patrícia; Mateus-Pinheiro, António; Loureiro-Campos, Eduardo; Bessa, João M.; Sousa, Nuno; Pinto, Luísa
Astrocytic plasticity at the dorsal dentate gyrus on an animal model of recurrent depression
Neuroscience v. , 2019 : p.
DOI: 10.1016/j.neuroscience.2019.10.032

Keyword: Antidepressants; Astrocytes; Chronic stress; Dentate gyrus; Recurrent depression

No. 194

Burton, Rob J.F.
The potential impact of synthetic animal protein on livestock production: The new “war against agriculture”?
Journal of Rural Studies v. 68, 2019: p. 33-45
DOI: 10.1016/j.jrurstud.2019.03.002

Keyword:

No. 195

Ahmed, Warish; O'Dea, Christian; Masters, Nicole; Kuballa, Anna; Marinoni, Oswald; Katouli, Mohammad
Marker genes of fecal indicator bacteria and potential pathogens in animal feces in subtropical catchments
Science of The Total Environment v. 656, 2019: p. 1427-1435
DOI: 10.1016/j.scitotenv.2018.11.439

Keyword: Zoonosis; complex; Fecal indicator bacteria; Fecal pollution; Pathogenic bacteria

No. 196

Horigan, Verity; de Nardi, Marco; Crescio, Maria I.; Estrada-Peña, Agustín; Adkin, Amie; Maurella, Cristiana; Bertolini, Silvia; Léger, Anaïs; Ru, Giuseppe; Cook, Charlotte; Stark, Katharina; Simons, Robin R.L.
Maximising data to optimise animal disease early warning systems and risk assessment tools within Europe
Microbial Risk Analysis v. 13, 2019: p.
DOI: 10.1016/j.mran.2019.02.003

Keyword: Risk assessment; Animal disease; Early warning

No. 197

Ke, Bowen; Chen, Hui; Cui, Yuanyuan; Ma, Lin; Liu, Yuqi; Hu, Xiaotong; Bai, Yu; Du, Lupei; Li, Minyong
A bioluminescent strategy for imaging palladium in living cells and animals with chemoselective probes based on luciferin-luciferase system
Talanta v. 194, 2019: p. 925-929
DOI: 10.1016/j.talanta.2018.11.006
Keyword: Bioluminescent probe; imaging; Luciferin-luciferase system; Palladium (II)

No. 198

Laxmi, Vijaya; Gupta, Rachna; Bhattacharya, Swapan K.; Ray, Arunabha; Gulati, Kavita
Inhibitory effects of sildenafil and tadalafil on inflammation, oxidative stress and nitrosative stress in animal model of bronchial asthma
Pharmacological Reports v. 71, 2019: p. 517-521
DOI: 10.1016/j.pharep.2019.02.008
Keyword: Oxidative stress; Inflammation; Bronchial asthma; Ovalbumin; Sildenafil; Tadalafil

No. 199

Pan, Yi; Wang, Shiyuan; Zhang, Qi; Lu, Qianzi; Su, Dongqing; Zuo, Yongchun; Yang, Lei
Analysis and prediction of animal toxins by various Chou's pseudo components and reduced amino acid compositions
Journal of Theoretical Biology v. 462, 2019: p. 221-229
DOI: 10.1016/j.jtbi.2018.11.010
Keyword: Biological property; Classifiers; Prediction performance; Reduced amino acid; Toxin

No. 200

Hidano, Arata; Gates, M. Carolyn
Why sold, not culled? Analysing farm and animal characteristics associated with livestock selling practices
Preventive Veterinary Medicine v. 166, 2019: p. 65-77
DOI: 10.1016/j.prevetmed.2019.03.005
Keyword: Agent based model; Contact pattern; Dynamic behaviour; Individual based model; Livestock movement; Simulation model; Trade

No. 201

Degneh, Efrem; Ashenafi, Hagos; Kassa, Tesfu; Kebede, Nigatu; Shibeshi, Workineh; Asres, Kaleab; Terefe, Getachew
 Trypanocidal drug resistance: A threat to animal health and production in Gidami district of Kellem Wollega Zone, Oromia Regional State, Western Ethiopia
 Preventive Veterinary Medicine v. 168 , 2019 : p. 103-107
 DOI: 10.1016/j.prevetmed.2019.03.017

Keyword: Prevalence; Bovine; Drug resistance; Trypanosomosis; Western Oromia

No. 202

Xia, Jingjing; Yang, Yi; Hu, Chenwenbao; Meng, Rui; Jiang, Qiuju; Liu, Rong; Yu, Yanyan; Sheng, Zonghai; Yan, Fei; Zhang, Lijuan; Shi, Zhifeng; Zheng, Hairong; Qiu, Weibao
 Evaluation of Brain Tumor in Small Animals Using Plane Wave-Based Power Doppler Imaging
 Ultrasound in Medicine & Biology v. 45, 2019: p. 811-822
 DOI: 10.1016/j.ultrasmedbio.2018.11.001

Keyword: imaging; Flow measurement; Glioma; Plane wave ultrasound; Power Doppler imaging

No. 203

Cadavez, V.A.P.; Xavier, C.; Gonzales-Barron, U.
 Classification of beef carcasses from Portugal using animal characteristics and pH/temperature decline descriptors
 Meat Science v. 153, 2019: p. 94-102
 DOI: 10.1016/j.meatsci.2019.03.011

Keyword: Carcass; Beef; Cold-shortening; Tenderness

No. 204

Wang, Peiyan; D'Imperio, Ludovica; Liu, Bei; Tian, Qingjiu; Jia, Zhongjun; Ambus, Per; Rasch, Morten; Elberling, Bo
 Sea animal activity controls CO₂, CH₄ and N₂O emission hotspots on South Georgia, sub-Antarctica
 Soil Biology and Biochemistry v. 132, 2019: p. 174-186
 DOI: 10.1016/j.soilbio.2019.02.002

Keyword: Nitrous oxide; Antarctic fur seal (); Bacterial community; Carbon dioxide; Emission hotspots; King penguin (); Methane oxidation

No. 205

Simeonova, Rumyana; Vitcheva, Vessela; Zheleva-Dimitrova, Dimitrina; Balabanova, Vessela; Savov, Ionko; Yagi, Sakina; Dimitrova, Bozhana; Voynikov, Yulian; Gevrenova, Reneta
 Trans-3,5-dicaffeoylquinic acid from *Geigeria alata* Benth. & Hook.f. ex Oliv. & Hiern with beneficial effects on experimental diabetes in animal model of essential hypertension
 Food and Chemical Toxicology v. 132, 2019: p. 110678
 DOI: 10.1016/j.fct.2019.110678

Keyword: Oxidative stress; Antioxidant enzymes; Diabetes; Dicafeoylquinic acid; Hypertension

No. 206

Li, Junqiang; Karim, Md. Robiul; Li, Dongfang; Rahaman Sumon, S.M. Mostafizur; Siddiki, S.H.M. Faruk; Rume, Farzana Islam; Sun, Ruiqin; Jia, Yaquan; Zhang, Longxian
 Molecular characterization of *Blastocystis* sp. in captive wildlife in Bangladesh National Zoo: Non-human primates with high prevalence and zoonotic significance
 International Journal for Parasitology: Parasites and Wildlife v. 10, 2019: p. 314-320
 DOI: 10.1016/j.ijppaw.2019.11.003

Keyword: Wild animals; Bangladesh; Subtypes; Zoonotic potential

No. 207

Ipsiroglu, Osman S.; Wind, Katarina; Hung, Yi-Hsuan (Amy); Berger, Mai; Chan, Forson; Yu, Wayne; Stockler, Sylvia; Weinberg, Joanne
 Prenatal alcohol exposure and sleep-wake behaviors: exploratory and naturalistic observations in the clinical setting and in an animal model
 Sleep Medicine v. 54, 2019: p. 101-112
 DOI: 10.1016/j.sleep.2018.10.006

Keyword: Narrative; ADHD; Mental health; Restless legs syndrome; Suggested clinical immobilization test; Video recording

No. 208

Lohrabian, Vahid; Kamali-Asl, Alireza; Arabi, Hossein; Mamashi, Farugh; Hemmati, Hamid Reza; Zaidi, Habib
 Design and construction of a variable resolution cone-beam small animal mini-CT prototype for in vivo studies
 Radiation Physics and Chemistry v. 162, 2019: p. 199-207
 DOI: 10.1016/j.radphyschem.2018.10.019

Keyword: Evaluation; Design; Analysis; Measurement; Experiment; Flat panel detector; Mini-CT scanner; Small-animal imaging; Spatial resolution; X-rays

No. 209

Rai, Uddipak; Kosuru, Ramoji; Prakash, Swati; Singh, Surya Pratap; Birla, Hareram; Tiwari, Vinod; Singh, Sanjay
 Tetramethylpyrazine prevents diabetes by activating PI3K/Akt/GLUT-4 signalling in animal model of type-2 diabetes
 Life Sciences v. 236 , 2019 : p. 116836
 DOI: 10.1016/j.lfs.2019.116836

Keyword: Insulin resistance; PI3K/Akt signal pathway; Pro-inflammatory cytokines; Tetramethylpyrazine; Type-2 diabetes

No. 210

Urh, C.; Denißen, J.; Harder, I.; Koch, C.; Gerster, E.; Ettle, T.; Kraus, N.; Schmitz, R.; Kuhla, B.; Stamer, E.; Spiekers, H.; Sauerwein, H.
 Circulating adiponectin concentrations during the transition from pregnancy to lactation in high-yielding dairy cows: testing the effects of farm, parity, and dietary energy level in large animal numbers
 Domestic Animal Endocrinology v. 69, 2019: p. 1-12
 DOI: 10.1016/j.domaniend.2019.01.001

Keyword: Dairy cows; Adiponectin; Feeding; optiKuh; Parity

No. 211

Mattucci, Stephen; Speidel, Jason; Liu, Jie; Kwon, Brian K.; Tetzlaff, Wolfram; Oxland, Thomas R.
 Basic biomechanics of spinal cord injury — How injuries happen in people and how animal models have informed our understanding
 Clinical Biomechanics v. 64, 2019: p. 58-68
 DOI: 10.1016/j.clinbiomech.2018.03.020

Keyword: Animal model; Biomechanics; Impact velocity; Injury mechanism; Residual compression; Spinal cord injury

No. 212

Kast, Jeffrey B.; Long, Colleen M.; Muenich, Rebecca Logsdon; Martin, Jay F.; Kalcic, Margaret M.
 Manure Management at Ohio Confined Animal Feeding Facilities in the Maumee River Watershed
 Journal of Great Lakes Research v. 45, 2019: p. 1162-1170
 DOI: 10.1016/j.jglr.2019.09.015

Keyword: Nutrients; CAFO; Manure; Maumee River watershed; Waste Management

No. 213

Masoudi, Reza; Sharafi, Mohsen; Shahneh, Ahmad Zare
 Effects of CoQ10 on the quality of ram sperm during cryopreservation in plant and animal based extenders
 Animal Reproduction Science v. 208, 2019: p. 106103
 DOI: 10.1016/j.anireprosci.2019.06.015

Keyword: Ram; Coenzyme Q10; Soybean lecithin; Sperm freezing

No. 214

Djordjevic, Vladimir R.; Wallace, David R.; Schweitzer, Amie; Boricic, Novica; Knezevic, Djordje; Matic, Slavko; Grubor, Nikola; Kerkez, Mirko; Radenkovic, Dejan; Bulat, Zorica; Antonijevic, Biljana; Matovic, Vesna; Buha, Aleksandra
 Environmental cadmium exposure and pancreatic cancer: Evidence from case control, animal and in vitro studies
 Environment International v. 128, 2019: p. 353-361
 DOI: 10.1016/j.envint.2019.04.048

Keyword: Cadmium; Carcinogenesis; Pancreatic cancer; Risk factors

No. 215

Sun, Wei-Chen; Yin, Zong-Jun; Donoghue, Philip; Liu, Peng-Ju; Shang, Xiao-Dong; Zhu, Mao-Yan
 Tubular microfossils from the Ediacaran Weng'an Biota (Doushantuo Formation, South China) are not early animals
 Palaeoworld v. 28, 2019: p. 469-477
 DOI: 10.1016/j.palwor.2019.04.004

Keyword: Doushantuo Formation; Ediacaran; Microtomography; Tubular microfossils; Weng'an Biota

No. 216

Alonso-Hearn, Marta; Magombedze, Gesham; Abendaño, Naiara; Landin, Mariana; Juste, Ramon A.
 Deciphering the virulence of Mycobacterium avium subsp. paratuberculosis isolates in animal macrophages using mathematical models
 Journal of Theoretical Biology v. 468, 2019: p. 82-91
 DOI: 10.1016/j.jtbi.2019.01.040

Keyword: Virulence; Host-pathogen interaction; Macrophages; Mathematical models; subsp.

No. 217

Lee, Eun Ji; Hwang, Jung Seok; Kang, Eun Sil; Lee, Su Bi; Hur, Jinwoo; Lee, Won Jin; Choi, Mi-Jung; Kim, Jun Tae; Seo, Han Geuk
 Nanoemulsions improve the efficacy of turmeric in palmitate- and high fat diet-induced cellular and animal models
 Biomedicine & Pharmacotherapy v. 110 , 2019 : p. 181-189
 DOI: 10.1016/j.biopha.2018.11.006
Keyword: Curcumin; Efficacy; Lipotoxicity; Nanoemulsion; Palmitate; Turmeric

No. 218

Carvalho, R.A.; Romero, A.C.; Ibuki, F.K.; Nogueira, F.N.
 Salivary gland metabolism in an animal model of chronic kidney disease
 Archives of Oral Biology v. 104, 2019: p. 40-45
 DOI: 10.1016/j.archoralbio.2019.05.026
Keyword: Chronic kidney disease; Glycolysis; Isotopomer analysis; Krebs cycle; Metabolism; Salivary glands

No. 219

Di Pillo, Francisca; Anríquez, Gustavo; Alarcón, Pablo; Jimenez-Bluhm, Pedro; Galdames, Pablo; Nieto, Vanesa; Schultz-Cherry, Stacey; Hamilton-West, Christopher
 Backyard poultry production in Chile: animal health management and contribution to food access in an upper middle-income country
 Preventive Veterinary Medicine v. 164, 2019: p. 41-48
 DOI: 10.1016/j.prevetmed.2019.01.008
Keyword: Backyard poultry; Family poultry; Food access; Policy decision; Rural households

No. 220

Lee, Do-Hee; Nam, Sang-Eun; Eom, Hye-Jin; Rhee, Jae-Sung
 Analysis of effects of environmental fluctuations on the marine mysid *Neomysis awatschensis* and its development as an experimental model animal
 Journal of Sea Research v. , 2019: p. 101834
 DOI: 10.1016/j.seares.2019.101834
Keyword: Growth; Experimental model; Laboratory culture; Marine mysid; Survival

No. 221

Garza, Maria; Mohan, Chadag Vishnumurthy; Rahman, Meezanur; Wieland, Barbara; Häslar, Barbara
 The role of infectious disease impact in informing decision-making for animal health management in aquaculture systems in Bangladesh
 Preventive Veterinary Medicine v. 167, 2019: p. 202-213
 DOI: 10.1016/j.prevetmed.2018.03.004
Keyword: Bangladesh; Aquaculture; Biosecurity management; Decision making; Infectious diseases; Socio-economic impact

No. 222

Mousavi, F.; Kardar, G.A.; Pourpak, Z.
 IgE-mediated allergic responses associated to *Ailanthus altissima* pollen using an animal model
 Allergologia et Immunopathologia v. 47, 2019: p. 272-276
 DOI: 10.1016/j.aller.2018.09.007
Keyword: 2-DE; Allergy; BALB/C; IgE; Murine; Pollen

No. 223

Lei, Sicong; Zhu, Ling; Xue, Cong; Hong, Chengyi; Wang, Junliang; Che, Lei; Hu, Yongfeng; Qiu, Yuping
 Mechanistic insights and multiple characterizations of cadmium binding to animal-derived biochar
 Environmental Pollution v. , 2019: p. 113675
 DOI: 10.1016/j.envpol.2019.113675
Keyword: Animal-derived biochar; Hydroxyapatite; Precipitation; Quantitative analysis; XANES

No. 224

Yang, Lun; Liu, Moucheng; Lun, Fei; Min, Qingwen; Li, Wenhua
 The impacts of farmers' livelihood capitals on planting decisions: A case study of Zhagana Agriculture-Forestry-Animal Husbandry Composite System
 Land Use Policy v. 86, 2019: p. 208-217
 DOI: 10.1016/j.landusepol.2019.04.030
Keyword: Agricultural heritage system; Planting structure; Planting willingness; Qinghai-Tibet plateau

No. 225

Divsalar, Golnaz; Kaboosi, Hami; Khoshbakht, Rahem; Shirzad-Aski, Hesamaddin; Ghadikolaii, Fatemeh Peyravii
 Antimicrobial resistances, and molecular typing of *Campylobacter jejuni* isolates, separated from food-producing animals and diarrhea patients in Iran
 Comparative Immunology, Microbiology and Infectious Diseases v. 65 , 2019 : p. 194-200
 DOI: 10.1016/j.cimid.2019.06.001
Keyword: -typing; Antimicrobial resistance gene; Diarrhea; MIC; RFLP

No. 227

Paramanandham, Krishnamoorthy; Mohankumar, Ashwini; Puttahonnappa Suresh, Kuralayanapalya; Susan Jacob, Siju; Roy, Parimal
 Prevalence of *Anaplasma* species in India and the World in dairy animals: A systematic review and meta-analysis
 Research in Veterinary Science v. 123, 2019: p. 159-170
 DOI: 10.1016/j.rvsc.2019.01.013
Keyword: Prevalence; India; Meta-analysis; species; World

No. 229

Valvassori, Samira S.; Mariot, Edemilson; Varela, Roger B.; Bavaresco, Daniela V.; Dal-Pont, Gustavo C.; Ferreira, Camila L.; Andersen, Monica L.; Tye, Susannah J.; Quevedo, João
 The role of neurotrophic factors in manic-, anxious- and depressive-like behaviors induced by amphetamine sensitization: Implications to the animal model of bipolar disorder
 Journal of Affective Disorders v. 245, 2019: p. 1106-1113
 DOI: 10.1016/j.jad.2018.10.370
Keyword: Bipolar disorder; Amphetamine sensitization; Anxious-like behavior; Depression-like behavior; Manic-like behavior; Neurotrophic factor

No. 231

Judy, J.V.; Bachman, G.C.; Brown-Brandl, T.M.; Fernando, S.C.; Hales, K.E.; Miller, P.S.; Stowell, R.R.; Kononoff, P.J.
 Reducing methane production with corn oil and calcium sulfate: Responses on whole-animal energy and nitrogen balance in dairy cattle
 Journal of Dairy Science v. 102, 2019: p. 2054-2067
 DOI: 10.3168/jds.2018-14567
Keyword: dairy cow; dried distillers grains and solubles; energy; methane

No. 226

Gren, Ing-Marie; Jägerbrand, Annika
 Calculating the costs of animal-vehicle accidents involving ungulate in Sweden
 Transportation Research Part D: Transport and Environment v. 70, 2019: p. 112-122
 DOI: 10.1016/j.trd.2019.03.008
Keyword: Sweden; Costs; Econometrics; Population dynamics; Traffic accidents; Ungulates

No. 228

Qureshi, Sabia; Saxena, Hari Mohan
 Efficacy of bacteriophage Lysed *Pasteurella* marker vaccine in laboratory animal models with a novel DIVA for haemorrhagic septicaemia
 Saudi Journal of Biological Sciences v. 26, 2019: p. 141-147
 DOI: 10.1016/j.sjbs.2017.05.001
Keyword: Mice; Alum precipitated HS vaccine; DIVA; Haemorrhagic septicaemia; IROMP(s); Marker vaccine; Rabbits bacteriophage

No. 230

Zhang, Min; He, Liang-Ying; Liu, You-Sheng; Zhao, Jian-Liang; Liu, Wang-Rong; Zhang, Jin-Na; Chen, Jun; He, Lun-Kai; Zhang, Qian-Qian; Ying, Guang-Guo
 Fate of veterinary antibiotics during animal manure composting
 Science of The Total Environment v. 650, 2019: p. 1363-1370
 DOI: 10.1016/j.scitotenv.2018.09.147
Keyword: Risk assessment; Dissipation; Manure composting; Veterinary antibiotics

No. 232

Wang, Yuhuan; Zade, Jagdish; Moon, Sung-Sil; Weldon, William; Pisal, S.S.; Glass, Roger I.; Dhere, Rajeev M.; Jiang, Baoming
 Lack of immune interference between inactivated polio vaccine and inactivated rotavirus vaccine co-administered by intramuscular injection in two animal species
 Vaccine v. 37, 2019: p. 698-704
 DOI: 10.1016/j.vaccine.2018.12.043
Keyword: Combination vaccine; Dose sparing; IPV; IRV

No. 233

Galligani, Paula; Sartori, Julieta; Barrientos, Gustavo
 Bacterial bioerosion in human and animal bones from subtropical environments (Northern Pampa/Middle Paraná River Basin, República Argentina)
 Journal of Archaeological Science: Reports v. 25 , 2019 : p. 561-574
 DOI: 10.1016/j.jasrep.2019.05.015
Keyword: SEM; Histological preservation; Microbial attack; Mineralised tissues; South America; Subtropics

No. 235

Pisu, Maria Giuseppina; Boero, Giorgia; Garau, Anna; Casula, Claudia; Cisci, Sonia; Biggio, Francesca; Concas, Alessandra; Follesa, Paolo; Maciocco, Elisabetta; Porcu, Patrizia; Serra, Mariangela
 Are preconceptional stressful experiences crucial elements for the aetiology of autism spectrum disorder? Insights from an animal model
 Neuropharmacology v. 157, 2019: p. 107686
 DOI: 10.1016/j.neuropharm.2019.107686
Keyword: Rat; Autism spectrum disorders; BDNF; Oxytocin; Parents' social isolation; Reversal learning; Seizure susceptibility; Social behaviour

No. 237

Andrés, S.; Jaramillo, E.; Mateo, J.; Caro, I.; Carballo, D.E.; López, S.; Giráldez, F.J.
 Grain grinding size of cereals in complete pelleted diets for growing lambs: Effects on animal performance, carcass and meat quality traits
 Meat Science v. 157, 2019: p. 107874
 DOI: 10.1016/j.meatsci.2019.107874
Keyword: Meat quality; Colour; Fatty acids; Feed efficiency; Residual feed intake

No. 239

Li, H.B.
 Restorative effect of modified dioscorea pills on the structure of hippocampal neurovascular unit in an animal model of chronic cerebral hypoperfusion
 Heliyon v. 5, 2019: p. e01567
 DOI: 10.1016/j.heliyon.2019.e01567
Keyword: Neuroscience; Neurology; Pharmaceutical science

No. 234

De Oliveira, Jorge A.; Rigoli, Daniela; Kane, Robert; McLaren, Sue; Goulardins, Juliana B.; Straker, Leon M.; Dender, Alma; Rooney, Rosanna; Piek, Jan P.
 Does 'Animal Fun' improve aiming and catching, and balance skills in young children?
 Research in Developmental Disabilities v. 84, 2019: p. 122-130
 DOI: 10.1016/j.ridd.2018.07.004
Keyword: Developmental coordination disorder; MABC-2; Movement intervention; Young children

No. 236

Whitehouse-Tedd, K.; Wilkes, R.; Stannard, C.; Wettlaufer, D.; Cilliers, D.
 Reported livestock guarding dog-wildlife interactions: Implications for conservation and animal welfare
 Biological Conservation v. , 2019: p. 108249
 DOI: 10.1016/j.biocon.2019.108249
Keyword: Agriculture; Carnivore; Coexistence; Conflict; Human-wildlife; Predator control

No. 238

Sergeant, Nicolas; Vingtdeux, Valérie; Eddarkaoui, Sabiha; Gay, Marion; Evrard, Caroline; Le Fur, Nicolas; Laurent, Cyril; Caillierez, Raphaelle; Obriot, Hélène; Larchanché, Paul-Emmanuel; Farce, Amaury; Coevoet, Mathilde; Carato, Pascal; Kouach, Mostafa;
 New piperazine multi-effect drugs prevent neurofibrillary degeneration and amyloid deposition, and preserve memory in animal models of Alzheimer's disease
 Neurobiology of Disease v. 129, 2019: p. 217-233
 DOI: 10.1016/j.nbd.2019.03.028
Keyword: Alzheimer's disease; Acetylcholinesterase; Amyloid; Microtubule-associated protein tau; Multi-effect drugs; Neurofibrillary tangles; Tauopathies

No. 240

Sarkarat, Farzin; Modarresi, Alireza; Chiniforush, Nasim; Yazdanparast, Lilia; Rakhshan, Vahid
 Efficacy of Photodynamic Therapy in Minimizing Bisphosphonate-Related Osteonecrosis of the Jaws After Dental Extraction: A Preliminary Animal Study
 Journal of Oral and Maxillofacial Surgery v. 77, 2019: p. 307-314
 DOI: 10.1016/j.joms.2018.09.036
Keyword:

No. 241

Li, Binbin; He, Shucheng; Liu, Rui; Huang, Liangliang; Liu, Ge; Wang, Ruixuan; Yang, Zhuoyue; Liu, Xinyi; Leng, Ye; Liu, Dan; Ye, Chengyu; Li, Yunman; Chen, Yongjian; Yin, Hong; Fang, Weirong
Total glucosides of paeony attenuates animal psoriasis induced inflammatory response through inhibiting STAT1 and STAT3 phosphorylation

Journal of Ethnopharmacology v. 243 , 2019 : p. 112121

DOI: 10.1016/j.jep.2019.112121

Keyword: Psoriasis; Inflammatory cytokine; STAT; T cells; Total glucosides of paeony

No. 243

Hussin, Nurul Akmar; Najimudin, Nazalan; Ab Majid, Abdul Hafiz
The de novo transcriptome of workers head of the higher group termite *Globitermes sulphureus* Haviland (Blattodea: Termitidae)

Heliyon v. 5, 2019: p. e02969

DOI: 10.1016/j.heliyon.2019.e02969

Keyword: Animal science; Genetics; Agricultural science; Cellulase; de novo transcriptome; Gene expression; RNA-Seq; Transcriptomics; Trinity

No. 245

Celi, Pietro; Verlhac, Viviane; Pérez Calvo, Estefania; Schmeisser, Jerome; Kluenter, Anna-Maria

Biomarkers of gastrointestinal functionality in animal nutrition and health

Animal Feed Science and Technology v. 250, 2019: p. 9-31

DOI: 10.1016/j.anifeedsci.2018.07.012

Keyword: Microbiota; Inflammation; Nutrition; Biomarkers; Gastrointestinal functionality

No. 247

Tanaka, H.; Takata, T.; Ishi, Y.; Uesugi, T.; Kuriyama, Y.; Watanabe, T.; Sakurai, Y.; Kawabata, S.; Masunaga, S.-I.; Suzuki, M.

Development of proton beam irradiation system for small animals using FFAG accelerator

Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment v. 922, 2019: p. 230-234

DOI: 10.1016/j.nima.2018.12.081

Keyword: BNCT; Boron neutron capture therapy; FFAG accelerator; Proton irradiation

No. 242

Tanaka, Rie; Tani, Tohru; Nitta, Norihisa; Tabata, Takahisa; Matsutani, Noritsugu; Muraoka, Shintaro; Yoneyama, Tsutomu; Sanada, Shigeru
Detection of Pulmonary Embolism Based on Reduced Changes in Radiographic Lung Density During Cardiac Beating Using Dynamic Flat-panel Detector: An Animal-based Study

Academic Radiology v. 26, 2019: p. 1301-1308

DOI: 10.1016/j.acra.2018.12.012

Keyword: Dynamic analysis; Flat-panel detector; Functional imaging; Image density; Pulmonary embolism; Pulmonary perfusion

No. 244

Ramires, Livia Magosso; Monteiro, Fernanda Nobre Bandeira; Ishida, Ana Carolina; Santos, Tamiriz Muniz dos; Silva, Huan Betine; Laposy, Cecília Braga; Santarém, Vamilton Alvares

Red Blood Cell Distribution Width in Quarter Horses: A Comparison Between Healthy and Hospitalized Animals

Journal of Equine Veterinary Science v. 73, 2019: p. 127-130

DOI: 10.1016/j.jevs.2018.12.007

Keyword: Hematology; Biomarker; Equine; RDW

No. 246

Liu, Biyuan; Zhao, Li; Yue, Chen; Qian, Meng; Xie, Ming

Changes in gonadal function at different stages of chronic restraint stress-induced depression animals

Physiology & Behavior v. 210, 2019: p. 112656

DOI: 10.1016/j.physbeh.2019.112656

Keyword: Male; Stress; Gonadal function; HPA axis; HPG axis; Oxidative damage

No. 248

Matere, Joseph; Simpkin, Piers; Angerer, Jay; Olesambu, Emmanuella; Ramasamy, Selvaraju; Fasina, Folorunso

Predictive Livestock Early Warning System (PLEWS): Monitoring forage condition and implications for animal production in Kenya

Weather and Climate Extremes v. , 2019: p. 100209

DOI: 10.1016/j.wace.2019.100209

Keyword: Livestock; Early warning; Community resilience; Drought; Livelihoods

No. 249

Franco, Marina Santiago; Roque, Marjorie Coimbra; de Barros, André Luís Branco; de Oliveira Silva, Juliana; Cassali, Geovanni Dantas; Oliveira, Mônica Cristina

Investigation of the antitumor activity and toxicity of long-circulating and fusogenic liposomes co-encapsulating paclitaxel and doxorubicin in a murine breast cancer animal model

Biomedicine & Pharmacotherapy v. 109 , 2019 : p. 1728-1739

DOI: 10.1016/j.biopha.2018.11.011

Keyword: Antitumor efficacy; Cardiotoxicity; Co-delivery; Cytotoxicity; Migration assay; Nuclear morphometric analysis

No. 251

Chen, Zitao; Ye, Shaopan; Teng, Jinyan; Diao, Shuqi; Yuan, Xiaolong; Chen, Zhanmou; Zhang, Hao; Li, Jiaqi; Zhang, Zhe

Genome-wide association studies for the number of animals born alive and dead in duroc pigs

Theriogenology v. 139, 2019: p. 36-42

DOI: 10.1016/j.theriogenology.2019.07.013

Keyword: Mortality; Duroc; GWAS; Pig; Reproductive traits

No. 253

Paniz Mondolfi, A.E.; Colmenares Garmendia, A.; Mendoza Pérez, Y.; Hernández-Pereira, C.E.; Medina, C.; Vargas, F.; Sandoval, D.; Agüero, J.; Román, D.; Forlano-Riera, M.; Salas, Y.; Peraza, M.; Romero, P.; Aldana, F.; Castillo, T.; Santeliz, S.; Perez, G.

Autochthonous cutaneous leishmaniasis in urban domestic animals (Felis catus / Canis lupus familiaris) from central-western Venezuela

Acta Tropica v. 191, 2019: p. 252-260

DOI: 10.1016/j.actatropica.2019.01.006

Keyword: Canine; Cutaneous; Feline; Leishmaniasis; Urban; Venezuela

No. 255

Okutani, Akiko; Inoue, Satoshi; Morikawa, Shigeru

Comparative genomics and phylogenetic analysis of Bacillus anthracis strains isolated from domestic animals in Japan

Infection, Genetics and Evolution v. 71, 2019: p. 128-139

DOI: 10.1016/j.meegid.2019.03.022

Keyword: canSNP analysis; Comparative genomics; Core genome SNP analysis; Phylogeny; Whole genome sequencing

No. 250

Zhu, Longji; Zhao, Yue; Yang, Kangjie; Chen, Jian; Zhou, Haixuan; Chen, Xiaomeng; Liu, Qi; Wei, Zimin

Host bacterial community of MGEs determines the risk of horizontal gene transfer during composting of different animal manures

Environmental Pollution v. 250, 2019: p. 166-174

DOI: 10.1016/j.envpol.2019.04.037

Keyword: Composting; Environmental factor; Horizontal gene transfer ability; Host bacterial community; Mobile genetic elements

No. 252

Rudnik-Jansen, Imke; Tellegen, Anna; Beukers, Martijn; Öner, Fetullah; Woike, Nina; Mihov, George; Thies, Jens; Meij, Björn; Tryfonidou, Marianna; Creemers, Laura

Safety of intradiscal delivery of triamcinolone acetonide by a poly(esteramide) microsphere platform in a large animal model of intervertebral disc degeneration

The Spine Journal v. 19, 2019: p. 905-919

DOI: 10.1016/j.spinee.2018.10.014

Keyword: chronic low back pain; controlled release; corticosteroid; intervertebral disc degeneration; intradiscal injection; poly(esteramide) microspheres; preclinical animal model; triamcinolone acetonide

No. 254

Kraikrutree, Kasinee; Thammakitpob, Varataya; Khemthong, Panit

Occupational standard for veterinary assistant (small animal)

Kasetsart Journal of Social Sciences v. , 2019: p.

DOI: 10.1016/j.kjss.2018.08.006

Keyword: competency; functional analysis; occupational standard; veterinary assistant; vocational education

No. 256

Guixiang, Tong; Yin, Weili; Wu, Xiangqing; Lin, Yong; Chen, Xiaohan; Liang, Wanwen; Huang, Quoku; Huang, Luanyu; Huang, Guanghua; Yang, Huizan; Sun, Tao; Xinxian, Wei; Li, Xiaozheng

Establishment of pyrosequencing technology to detect White Spot Syndrome Virus (WSSV) in cultured aquatic animals

Journal of Virological Methods v. 273, 2019: p. 113683

DOI: 10.1016/j.jviromet.2019.113683

Keyword: Syndrome; Detection; Pyrosequencing; spot; Virus (WSSV)

No. 257

Seyedsadr, Maryam S.; Weinmann, Oliver; Amorim, Ana; Ineichen, Benjamin V.; Egger, Matteo; Mirnajafi-Zadeh, Javad; Becher, Burkhard; Javan, Mohammad; Schwab, Martin E.

Inactivation of sphingosine-1-phosphate receptor 2 (S1PR2) decreases demyelination and enhances remyelination in animal models of multiple sclerosis

Neurobiology of Disease v. 124 , 2019 : p. 189-201

DOI: 10.1016/j.nbd.2018.11.018

Keyword: Blood brain barrier; Experimental autoimmune encephalitis; Fibrinogen; JTE-013; Lysolecithin; Myelin repair; Nogo-A; Oligodendrocyte progenitor cells; S1PR2 inactivation

No. 258

Han, Xiaoya; Sheng, Feng; Kong, Dexin; Wang, Yulian; Pan, Yuanhu; Chen, Mo; Tao, Yanfei; Liu, Zhenli; Ahmed, Saeed; Yuan, Zonghui; Peng, Dapeng

Broad-spectrum monoclonal antibody and a sensitive multi-residue indirect competitive enzyme-linked immunosorbent assay for the antibacterial synergists in samples of animal origin

Food Chemistry v. 280, 2019: p. 20-26

DOI: 10.1016/j.foodchem.2018.12.040

Keyword: Food-producing animals; Monoclonal antibody; Antibacterial synergists; Broad-spectrum; Indirect competitive enzyme-linked immunosorbent assay; Multi-residue

No. 259

Venter, Zander S.; Hawkins, Heidi-Jayne; Cramer, Michael D.

Cattle don't care: Animal behaviour is similar regardless of grazing management in grasslands

Agriculture, Ecosystems & Environment v. 272, 2019: p. 175-187

DOI: 10.1016/j.agee.2018.11.023

Keyword: Behavior; Heterogeneity; High density grazing; Holistic planned grazing; Selectivity

No. 260

Eyssen, Lauren E-A.; Coetzer, Theresa H.T.

Expression, purification and characterisation of Trypanosoma congolense metacaspase 5 (TcoMCA5) - a potential drug target for animal African trypanosomiasis

Protein Expression and Purification v. 164, 2019: p. 105465

DOI: 10.1016/j.pep.2019.105465

Keyword: Autoprocessing; Enzymatic characterisation; Gelatinolytic activity; Metacaspase

No. 261

Park, Sungkwon; Cho, Eunseok; Chung, Hakjae; Cho, Kyuho; Sa, Sujin; Balasubramanian, Balamuralikrishnan; Choi, Taejeong; Jeong, Yongdae

Digestibility of phosphorous in cereals and co-products for animal feed

Saudi Journal of Biological Sciences v. 26, 2019: p. 373-377

DOI: 10.1016/j.sjbs.2018.12.003

Keyword: Nutrients; CTTAD; CTTSD; Feed ingredients; Growing-finishing pigs

No. 262

Wu, Kuo-Hui; Huang, Wen-Chien; Chang, Shu-Chen; Kao, Ching-Hua; Shyu, Rong-Hwa

Colloidal silver-based lateral flow immunoassay for rapid detection of melamine in milk and animal feed

Materials Chemistry and Physics v. 231, 2019: p. 121-130

DOI: 10.1016/j.matchemphys.2019.04.035

Keyword: Colloidal silver; Lateral flow immunoassay; Melamine; Test strip

No. 263

Kotowska, Dorota; Skórka, Piotr; Walasz, Kazimierz

Delineating the number of animal territories using digital mapping and spatial hierarchical clustering in GIS technology

Ecological Indicators v. 107, 2019: p. 105670

DOI: 10.1016/j.ecolind.2019.105670

Keyword: Bird; Habitat suitability; Mapping; Population size; Territory

No. 264

Silva-Brito, Francisca; Timóteo, Filipa; Esteves, Ângela; Peixoto, Maria João; Ozorio, Rodrigo; Magnoni, Leonardo

Impact of the replacement of dietary fish oil by animal fats and environmental salinity on the metabolic response of European Seabass (*Dicentrarchus labrax*)

Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology v. 233, 2019: p. 46-59

DOI: 10.1016/j.cbpb.2019.04.004

Keyword: Digestion; Acute salinity change; Dietary fatty acids; Euryhaline fish; Metabolic capacity

No. 265

Goulet, Pauline; Guinet, Christophe; Swift, René; Madsen, Peter T.; Johnson, Mark

A miniature biomimetic sonar and movement tag to study the biotic environment and predator-prey interactions in aquatic animals

Deep Sea Research Part I: Oceanographic Research Papers v. 148, 2019 : p. 1-11

DOI: 10.1016/j.dsr.2019.04.007

Keyword: Biologging; Elephant seal; Fisheries sonar; Foraging ecology; Predator-prey interactions; Prey field mapping

No. 267

Zheng, Weijia; Yoo, Kyung-Hee; Choi, Jeong-Min; Park, Da-Hee; Kim, Seong-Kwan; Kang, Young-Sun; Abd El-Aty, A.M.; Hacimüftüoğlu, Ahmet; Jeong, Ji Hoon; Bekhit, Alaa El-Din; Shim, Jae-Han; Shin, Ho-Chul
A modified QuEChERS method coupled with liquid chromatography-tandem mass spectrometry for the simultaneous detection and quantification of scopolamine, L-hyoscyamine, and sparteine residues in animal-derived food products

Journal of Advanced Research v. 15, 2019: p. 95-102

DOI: 10.1016/j.jare.2018.09.004

Keyword: Milk; Residues; Egg; L-hyoscyamine; LC-MS/MS; Porcine muscle; QuEChERS; Scopolamine; Sparteine

No. 269

Binder, Claudia; Aurich, Christine; Reifinger, Martin; Aurich, Jörg
Spontaneous ovulation in cats—Uterine findings and correlations with animal weight and age

Animal Reproduction Science v. 209, 2019: p. 106167

DOI: 10.1016/j.anireprosci.2019.106167

Keyword: Age; Ovulation; Cat; Cystic endometrial hyperplasia (CEH); Weight

No. 271

Maté-González, Miguel Ángel; Courtenay, Lloyd A.; Aramendi, Julia; Yravedra, José; Mora, Rocío; González-Aguilera, Diego; Domínguez-Rodrigo, Manuel

Application of geometric morphometrics to the analysis of cut mark morphology on different bones of differently sized animals. Does size really matter?

Quaternary International v. 517, 2019: p. 33-44

DOI: 10.1016/j.quaint.2019.01.021

Keyword: 3D reconstruction; Bone density; Cut marks; Geometric morphometrics

No. 266

Gorman, Richard

Thinking critically about health and human-animal relations: Therapeutic affect within spaces of care farming

Social Science & Medicine v. 231, 2019: p. 6-12

DOI: 10.1016/j.socscimed.2017.11.047

Keyword: Human-animal relations; Care farming; Health; Health and place; Health geography; UK

No. 268

Pigière, Fabienne; Goffette, Quentin

Continuity and change in animal exploitation at the transition from Antiquity to the early medieval period in the Belgian and Dutch loess region

Quaternary International v. 499, 2019: p. 101-111

DOI: 10.1016/j.quaint.2017.10.025

Keyword: Agriculture; Archaeozoology; Cattle morphology; Draught animal; Husbandry; Late Antiquity

No. 270

Koch, L.E.; Jenkins, T.C.; Bridges, W.C.; Koch, B.M.; Lascano, G.J.

Changes in fermentation and animal performance during recovery from classical diet-induced milk fat depression using corn with differing rates of starch degradability

Journal of Dairy Science v. 102, 2019: p. 5079-5093

DOI: 10.3168/jds.2018-15953

Keyword: biohydrogenation; milk fat depression; starch degradability; unsaturated fat

No. 272

Waterton, John C.; Hines, Catherine D.G.; Hockings, Paul D.; Laitinen, Iina; Ziemian, Sabina; Campbell, Simon; Gottschalk, Michael; Green, Claudia; Haase, Michael; Hassemer, Katja; Juretschke, Hans-Paul; Koehler, Sascha; Lloyd, William; Luo, Yanping; Mahm

Repeatability and reproducibility of longitudinal relaxation rate in 12 small-animal MRI systems

Magnetic Resonance Imaging v. 59, 2019: p. 121-129

DOI: 10.1016/j.mri.2019.03.008

Keyword: Reproducibility; Biomarker; Error propagation; Hardware stability; MRI; Phantom; Relaxation time

No. 273

Kajbafzadeh, Abdol-Mohammad; Khorramirouz, Reza; Kameli, Seyedeh Maryam; Fendereski, Kiarad; Daryabari, Seyedeh Sima; Tavangar, Seyed Mohammad; Azizi Garajegayeh, Bahram
 Three-year efficacy and patency follow-up of decellularized human internal mammary artery as a novel vascular graft in animal models
 The Journal of Thoracic and Cardiovascular Surgery v. 157 , 2019 : p. 1494-1502
 DOI: 10.1016/j.jtcvs.2018.08.106

Keyword: internal mammary artery; recellularization; tissue engineering; vascular graft

No. 275

Caixeta, L.S.; Giesy, S.L.; Krumm, C.S.; Perfield, J.W.; Butterfield, A.; Boisclair, Y.R.
 Fibroblast growth factor-21 (FGF21) administration to early-lactating dairy cows. II. Pharmacokinetics, whole-animal performance, and lipid metabolism
 Journal of Dairy Science v. 102, 2019: p. 11597-11608
 DOI: 10.3168/jds.2019-16696

Keyword: fatty acid; liver; growth hormone resistance; insulin-like growth factor-1; β -hydroxybutyrate

No. 277

Bhattacharjee, Sourdeep; MacPherson, Brian; Wang, Ranxiao Frances; Gras, Robin
 Animal communication of fear and safety related to foraging behavior and fitness: An individual-based modeling approach
 Ecological Informatics v. 54, 2019: p. 101011
 DOI: 10.1016/j.ecoinf.2019.101011

Keyword: Machine learning; Alarm communication; Foraging activity; Individual fitness; Non-communication; Population density; Risk-allocation

No. 279

El-Bakly, Wesam; Wagdy, Omar; Sobhy, Ahmed; abo elenain, Omar; Riad, Mohamed S.; El Sayed, Mahmoud; Tarkhan, Sherif; Yassen, Mahmoud; Mahmoud, Abdelrahman; Bassiony, Mohamed; Nabil, Nesreen
 The efficacy and underlying mechanism of phosphodiesterase- 5 inhibitors in preventing cognitive impairment and Alzheimer pathology: A systematic review of animal studies
 Behavioural Brain Research v. 372, 2019: p. 112004
 DOI: 10.1016/j.bbr.2019.112004

Keyword: Cognition; Alzheimer disease; A β -42 β ; MWM; Phosphodiesterase-5 inhibitors; T maize

No. 274

Janikova, Martina; Brozka, Hana; Radostova, Dominika; Svoboda, Jan; Stuchlik, Ales
 No effect of riluzole and memantine on learning deficit following quinpirole sensitization - An animal model of obsessive-compulsive disorder
 Physiology & Behavior v. 204, 2019: p. 241-247
 DOI: 10.1016/j.physbeh.2019.01.013

Keyword: Active allothetic place avoidance task; Memantine; Obsessive-compulsive disorder; Quinpirole; Riluzole

No. 276

Wilde, Grant A.; Murphy, Robin R.
 A robotics-oriented taxonomy of how ethologists characterize the traversability of animal environments
 Robotics and Autonomous Systems v. 118, 2019: p. 159-166
 DOI: 10.1016/j.robot.2019.04.009

Keyword:

No. 278

Yuhara, Takeshi; Ozaki, Hayato; Suzuki, Takao; Urabe, Jotaro
 Factors shaping the macrobenthic animal assemblages in a tidal flat newly-formed by the Great East Japan Earthquake
 Estuarine, Coastal and Shelf Science v. 229, 2019: p. 106382
 DOI: 10.1016/j.ecss.2019.106382

Keyword: Tsunami; Benthic macrofauna; Community assembly; Environmental factors; Estuary; New tidal flat; Spatial factors; The great east Japan earthquake

No. 280

RaiseAbdullahi, Payman; Vafaei, Abbas Ali; Ghanbari, Ali; Dadkhah, Masoomeh; Rashidy-Pour, Ali
 Time-dependent protective effects of morphine against behavioral and morphological deficits in an animal model of posttraumatic stress disorder
 Behavioural Brain Research v. 364, 2019: p. 19-28
 DOI: 10.1016/j.bbr.2019.01.058

Keyword: PTSD; mPFC; Dendritic remodeling; Extinction; Morphine; SPS

No. 281

Beirão, José; Boulais, Myrina; Gallego, Victor; O'Brien, Justine K.; Peixoto, Silvio; Robeck, Todd R.; Cabrita, Elsa
Sperm handling in aquatic animals for artificial reproduction
Theriogenology v. 133, 2019 : p. 161-178
DOI: 10.1016/j.theriogenology.2019.05.004

Keyword: reproduction; Assisted reproduction; fertilization; Sperm extraction; Spermatozoa:oocyte ratio

No. 282

Elert, Kerstin; Benavides-Reyes, Cristina; Cardell, Carolina
Effect of animal glue on mineralogy, strength and weathering resistance of calcium sulfate-based composite materials
Cement and Concrete Composites v. 96, 2019: p. 274-283
DOI: 10.1016/j.cemconcomp.2018.12.005

Keyword: Anhydrite; Bassanite; Compressive strength; Flexural strength; Gypsum

No. 283

Samaddar, Suman; Koneri, Raju
Polyphenols of marine red macroalga *Symphyclocladia latiuscula* ameliorate diabetic peripheral neuropathy in experimental animals
Heliyon v. 5, 2019: p. e01781
DOI: 10.1016/j.heliyon.2019.e01781

Keyword: Neuroscience; Biochemistry

No. 284

Nowakowska, Marta; Gualtieri, Fabio; von Rüden, Eva-Lotta; Hansmann, Florian; Baumgärtner, Wolfgang; Tipold, Andrea; Potschka, Heidrun
Profiling the Expression of Endoplasmic Reticulum Stress Associated Heat Shock Proteins in Animal Epilepsy Models
Neuroscience v. , 2019: p.
DOI: 10.1016/j.neuroscience.2019.12.015

Keyword: chaperone; endoplasmic reticulum; hippocampus; seizure; unfolded protein response

No. 285

Kongprajug, Akechai; Chyerochana, Natcha; Somnark, Pornjira; Leelapanang Kampaengthong, Pinida; Mongkolsuk, Skorn; Sirikanchana, Kwanrawee
Human and animal microbial source tracking in a tropical river with multiple land use activities
International Journal of Hygiene and Environmental Health v. 222, 2019: p. 645-654
DOI: 10.1016/j.ijheh.2019.01.005

Keyword: PCR; qPCR; Fecal indicators; Microbial source tracking; Water quality monitoring

No. 286

Milan, Peiman Brouki; Amini, Naser; Joghataei, Mohamad Taghi; Ebrahimi, Loghman; Amoupour, Moein; Sarveazad, Arash; Kargozar, Saaid; Mozafari, Masoud
Decellularized human amniotic membrane: From animal models to clinical trials
Methods v. , 2019: p.
DOI: 10.1016/j.ymeth.2019.07.018

Keyword: Amniotic membrane; Biomaterials; Decellularization; Extracellular matrix; Tissue engineering; Wound healing

No. 287

Choi, Sun-Hae; Lee, Sun-Hee; Kim, Min Gon; Lee, Hong Jin; Kim, Geun-Bae
Lactobacillus plantarum CAU1055 ameliorates inflammation in lipopolysaccharide-induced RAW264.7 cells and a dextran sulfate sodium-induced colitis animal model
Journal of Dairy Science v. 102, 2019: p. 6718-6725
DOI: 10.3168/jds.2018-16197

Keyword: anti-inflammatory effect; dextran sulfate sodium; lactic acid bacteria; peptidoglycan; RAW264.7 cells

No. 288

Singh, Priya; Singh, Amar Pal; Tripathi, Siddharth Kaushal; Kumar, Vinod; Sane, Aniruddha P.
Petal abscission in roses is associated with the activation of a truncated version of the animal PDCD4 homologue, RbPCD1
Plant Science v. 288, 2019: p. 110242
DOI: 10.1016/j.plantsci.2019.110242

Keyword: Ethylene; Heat shock; Inflorescence; MA3 domain; PDCD4; Repression; Senescence

No. 289

Hayashida, Maiko; Miyaoka, Tsuyoshi; Tsuchie, Keiko; Araki, Tomoko; Izuhara, Muneto; Miura, Shoko; Kanayama, Misako; Ohtsuki, Koji; Nagahama, Michiharu; Azis, Ilhamuddin Abdul; Abdullah, Rostia Arianna; Jaya, Muhammad Alim; Arauchi, Ryosuke; Hashioka, Sad Parvalbumin-positive GABAergic interneurons deficit in the hippocampus in Gunn rats: A possible hyperbilirubinemia-induced animal model of schizophrenia
Heliyon v. 5 , 2019 : p. e02037
DOI: 10.1016/j.heliyon.2019.e02037

Keyword: Molecular biology; Neuroscience; Schizophrenia; Biochemistry; Anatomy; Cell biology; Developmental biology; GABA; Gunn rat; Hyperbilirubinemia; Immunology; Parvalbumin

No. 291

Guirro, Maria; Herrero, Pol; Costa, Andrea; Gual-Grau, Andreu; Ceretó-Massagué, Adrià; Hernández, Adrià; Torrell, Helena; Arola, Lluís; Canela, Núria
Comparison of metaproteomics workflows for deciphering the functions of gut microbiota in an animal model of obesity
Journal of Proteomics v. 209, 2019: p. 103489
DOI: 10.1016/j.jprot.2019.103489

Keyword: Microbiota; Mass spectrometry; Metagenomics; Metaproteomics

No. 293

Freemyer, Andrea; Neal, Christopher; Nelson-Brantley, Jennifer; Staecker, Hinrich; Durham, Dianne
Early Onset Region and Cell Specific Alterations of Doublecortin Expression in the CNS of Animals with Sound Damage Induced Hearing Loss
IBRO Reports v. 7, 2019: p. 129-140
DOI: 10.1016/j.ibror.2019.10.003

Keyword: Cerebellum; Dorsal Cochlear Nucleus; Hippocampus; Neuroplasticity; Sensorineural Hearing Loss; Tinnitus

No. 295

Hachim, Daniel; Iftikhar, Aimon; LoPresti, Samuel T.; Nolfi, Alexis L.; Ravichandar, Shweta; Skillen, Clint D.; Brown, Bryan N.
Distinct release strategies are required to modulate macrophage phenotype in young versus aged animals
Journal of Controlled Release v. 305, 2019: p. 65-74
DOI: 10.1016/j.jconrel.2019.05.020

Keyword: Biomaterials; Aging; Cytokine; Delivery; Host response; IL-4; Macrophage; MCP-1; Sequential

No. 290

Rault, Jean-Loup
Be kind to others: Prosocial behaviours and their implications for animal welfare
Applied Animal Behaviour Science v. 210, 2019: p. 113-123
DOI: 10.1016/j.applanim.2018.10.015

Keyword: Affiliation; Altruism; Cooperation; Help; Positive; Prosocial

No. 292

Hariprasath, P.; Vijayakumar, V.; Selvamani, S.T.; Vigneshwar, M.; Palanikumar, K.
Some Studies on Waste Animal Tallow Biodiesel Produced by Modified Transesterification Method Using Heterogeneous Catalyst
Materials Today: Proceedings v. 16, 2019: p. 1271-1278
DOI: 10.1016/j.matpr.2019.05.224

Keyword: Transesterification; CH₃OH; KOH; Molar ratio; NaOH; Tallow fats

No. 294

Smith, Kathryn A.; Oesterle, Paul T.; Jardine, Claire M.; Dibernardo, Antonia; Huynh, Chris; Lindsay, Robbin; Pearl, David L.; Nemeth, Nicole M.
Tick infestations of wildlife and companion animals in Ontario, Canada, with detection of human pathogens in Ixodes scapularis ticks
Ticks and Tick-borne Diseases v. 10, 2019: p. 72-76
DOI: 10.1016/j.ttbdis.2018.08.018

Keyword: Ticks; Canada; sensu stricto; Wildlife

No. 296

Singh, Manraj Deep; Singh, Harkirat; Singh, Nirbhay Kumar; Singh, Niraj Kumar; Kashyap, Neeraj; Sood, Naresh Kumar; Rath, Shitanshu Shekar
Development of loop-mediated isothermal amplification (LAMP) assay for detection of Hepatozoon canis infection in dogs
Ticks and Tick-borne Diseases v. 10, 2019: p. 371-376
DOI: 10.1016/j.ttbdis.2018.11.016

Keyword: 18S PCR assay; Detection threshold; LAMP assay; Microscopy

No. 297

Citraro, Rita; Iannone, Michelangelo; Leo, Antonio; De Caro, Carmen; Nesci, Valentina; Tallarico, Martina; Abdalla, Karim; Palma, Ernesto; Arturi, Franco; De Sarro, Giovambattista; Constanti, Andrew; Russo, Emilio

Evaluation of the effects of liraglutide on the development of epilepsy and behavioural alterations in two animal models of epileptogenesis
Brain Research Bulletin v. 153 , 2019 : p. 133-142

DOI: 10.1016/j.brainresbull.2019.08.001

Keyword: Depression; Epileptogenesis; GLP-1 receptor agonist; Kainate-induced seizures; Memory; WAG/Rij rats

No. 299

Li, Shuliang; Zhou, Jiangbo; Zhang, Jianjun; Wang, Dong; Ma, Jingjian
Construction of rat spinal cord injury model based on Allen's animal model

Saudi Journal of Biological Sciences v. 26, 2019: p. 2122-2126

DOI: 10.1016/j.sjbs.2019.09.033

Keyword: Model; Recovery; Rat; Allen's; Score

No. 301

Zhao, Yanfang; Wu, Ri; Yu, Hao; Li, Jingkun; Liu, Lanqi; Wang, Shanshan; Chen, Xiangfeng; Chan, T.-W. Dominic

Magnetic solid-phase extraction of sulfonamide antibiotics in water and animal-derived food samples using core-shell magnetite and molybdenum disulfide nanocomposite adsorbent

Journal of Chromatography A v. 1610, 2020: p. 460543

DOI: 10.1016/j.chroma.2019.460543

Keyword: Core-shell nanocomposite; Magnetic solid-phase extraction; Sorbent; Sulfonamide antibiotics; tandem mass spectrometry

No. 303

Hamilton, W. Derek; Sayle, Kerry L.; Boyd, Marcus O.E.; Haselgrove, Colin C.; Cook, Gordon T.

'Celtic cowboys' reborn: Application of multi-isotopic analysis ($\delta^{13}\text{C}$, $\delta^{15}\text{N}$, and $\delta^{34}\text{S}$) to examine mobility and movement of animals within an Iron Age British society

Journal of Archaeological Science v. 101, 2019: p. 189-198

DOI: 10.1016/j.jas.2018.04.006

Keyword: Stable isotopes; Mobility; Diet; Iron Age Britain

No. 298

Cattaneo, Martina; Finzi, Alberto; Guido, Viviana; Riva, Elisabetta; Provolo, Giorgio

Effect of ammonia stripping and use of additives on separation of solids, phosphorus, copper and zinc from liquid fractions of animal slurries

Science of The Total Environment v. 672, 2019: p. 30-39

DOI: 10.1016/j.scitotenv.2019.03.316

Keyword: Manure; Aluminium sulfate; Calcium hydroxide; Heavy metals; Nitrogen removal; Solid-liquid separation

No. 300

Hamadamin, Ahmad Yaseen; Hassan, Khulod Ibraheem

Gas chromatography-mass spectrometry based sensitive analytical approach to detect and quantify non-polar pesticides accumulated in the fat tissues of domestic animals

Saudi Journal of Biological Sciences v. , 2019: p.

DOI: 10.1016/j.sjbs.2019.12.029

Keyword: Pesticides; QuEChERS; Animal fat tissues; GC-MS; Organochlorines; Organophosphorus; Pyrethroids

No. 302

Kim, Bokyoung; Ji, Kyunghee; Kim, Cheolmin; Kang, Habyeong; Lee, Sangwoo; Kwon, Bareum; Kho, Younglim; Park, Kyunghwa; Kim, Kyungtae; Choi, Kyungho

Pharmaceutical residues in streams near concentrated animal feeding operations of Korea – Occurrences and associated ecological risks

Science of The Total Environment v. 655, 2019: p. 408-413

DOI: 10.1016/j.scitotenv.2018.11.233

Keyword: Risk assessment; Concentrated animal feeding operations; Veterinary antibiotics; Livestock farming; Pharmaceuticals

No. 304

Salazar-Noratto, G.E.; De Nijs, N.; Stevens, H.Y.; Gibson, G.; Guldborg, R.E.

Regional gene expression analysis of multiple tissues in an experimental animal model of post-traumatic osteoarthritis

Osteoarthritis and Cartilage v. 27, 2019: p. 294-303

DOI: 10.1016/j.joca.2018.10.007

Keyword: Animal model; Gene expression; Articular cartilage; Osteoarthritis; Osteophyte; Synovium

No. 305

Leskowitz, Eric

Mesmer Reconsidered: From Animal Magnetism to the Biofield

EXPLORE v. 15 , 2019 : p. 95-97

DOI: 10.1016/j.explore.2018.12.010

Keyword: biofield; energy medicine; Mesmer; Therapeutic Touch**No. 306**

Peng, Wei; Han, Ping; Yu, Luyao; Chen, Ying; Ye, Bingzhu; Qin, Luping; Xin, Hailiang; Han, Ting

Anti-allergic rhinitis effects of caffeoylquinic acids from the fruits of *Xanthium strumarium* in rodent animals via alleviating allergic and inflammatory reactions

Revista Brasileira de Farmacognosia v. 29, 2019: p. 46-53

DOI: 10.1016/j.bjp.2018.10.004

Keyword: Histopathology; Allergic rhinitis; Caffeoylquinic acids; Histamine**No. 307**

Morikawa, Kumi; Nakamura, Kazuomi; Suyama, Yoshiko; Yamamoto, Kenshiro; Fukuoka, Kohei; Yagi, Shunjiro; Shirayoshi, Yasuaki; Ohbayashi, Tetsuya; Hisatome, Ichiro

Novel dual-reporter transgenic rodents enable cell tracking in animal models of stem cell transplantation

Biochemistry and Biophysics Reports v. 18, 2019: p. 100645

DOI: 10.1016/j.bbrep.2019.100645

Keyword: imaging; Fluorescence; Luminescence; Reporter; Stem cells; Transplantation**No. 308**

Mohd-Lila, Mohd-Azmi; Yee, Lai Kit; Cen, Lo Sewn; Bala, Jamilu Abubakar; Balakrishnan, Krishnan Nair; Allaudin, Zeenathul Nazariah; Abdul Rahman, Sheikh-Omar; Hani, Homayoun; Abdullah, Rasedee

The application of naked DNA plasmid (DrZP3) and recombinant adenovirus (Ad-rZP3) in rat animal model to determine comparative efficacy of ZP3-Immunocontraceptive vaccines

Microbial Pathogenesis v. 134, 2019: p. 103572

DOI: 10.1016/j.micpath.2019.103572

Keyword: Immunocontraceptive; Infertility; Naked plasmid DNA; Recombinant adenovirus; ZP3**No. 309**

Kuter, Katarzyna Z.; Olech, Łukasz; Dencher, Norbert A.

Increased energetic demand supported by mitochondrial electron transfer chain and astrocyte assistance is essential to maintain the compensatory ability of the dopaminergic neurons in an animal model of early Parkinson's disease

Mitochondrion v. 47, 2019: p. 227-237

DOI: 10.1016/j.mito.2018.12.002

Keyword: Adaptation; Parkinson's disease; Energy metabolism; Neurodegeneration; Succinate dehydrogenase; Supramolecular complexes**No. 310**

Weese, J. Scott; Blondeau, Joseph; Boothe, Dawn; Guardabassi, Luca G.; Gumley, Nigel; Papich, Mark; Jessen, Lisbeth Rem; Lappin, Michael; Rankin, Shelley; Westropp, Jodi L.; Sykes, Jane

International Society for Companion Animal Infectious Diseases (ISCAID) guidelines for the diagnosis and management of bacterial urinary tract infections in dogs and cats

The Veterinary Journal v. 247, 2019: p. 8-25

DOI: 10.1016/j.tvjl.2019.02.008

Keyword: Antimicrobial stewardship; Antimicrobials; Cystitis; Prostatitis; Pyelonephritis**No. 311**

Adedayo, Lawrence Dayo; Ojo, Alaba Olumide; Awobajo, Funmileyi Olubanjo; Adeboye, Boluwatife Adetoyin; Adebisi, James Adedayo; Bankole, Temitope Joshua; Ayilara, Gideon Opeyemi; Bamidele, Olubayode; Aitokhuehi, Nimedia Gideon; Onasanwo, Samuel Adetunji

Methanol extract of *Cola nitida* ameliorates inflammation and nociception in experimental animals

Neurobiology of Pain v. 5, 2019: p. 100027

DOI: 10.1016/j.ynpai.2019.100027

Keyword: Analgesic; Anti-inflammation; Carrageenan; Cola nitida**No. 312**

Gao, Tianle; Shi, Tiansheng; Wiesenfeld-Hallin, Zsuzsanna; Li, Tao; Jiang, Jian-Dong; Xu, Xiao-Jun

Sinomenine facilitates the efficacy of gabapentin or ligustrazine hydrochloride in animal models of neuropathic pain

European Journal of Pharmacology v. 854, 2019: p. 101-108

DOI: 10.1016/j.ejphar.2019.03.061

Keyword: Drug combination; Gabapentin; Ligustrazine hydrochloride; Neuropathic pain; Sinomenine

No. 313

Pedrazzoli, Matteo; Losurdo, Morris; Paolone, Giovanna; Medelin, Manuela; Jaupaj, Lejdi; Cisterna, Barbara; Slanzi, Anna; Malatesta, Manuela; Coco, Silvia; Buffelli, Mario
 Glucocorticoid receptors modulate dendritic spine plasticity and microglia activity in an animal model of Alzheimer's disease
 Neurobiology of Disease v. 132, 2019 : p. 104568
 DOI: 10.1016/j.nbd.2019.104568

Keyword: Alzheimer's disease; Hippocampus; Dendritic spines; Glucocorticoid receptor; Glucocorticoids; Microglia

No. 314

Seghrouchni, Mohammed; Elkasraoui, Hind; Piro, Mohamed; Alyakine, Hassan; Bouayad, Hassan; Chakir, Jamal; Tligui, Noursaid; Elallali, Khalid; Azrib, Rahma
 Osteoarticular radiographic findings of the distal forelimbs in Tbourida Horses
 Heliyon v. 5, 2019: p. e02514
 DOI: 10.1016/j.heliyon.2019.e02514

Keyword: Animal science; Veterinary medicine; Animal behavior; Animal breeding; Horse; Forelimb; Pathophysiology; Radiographic findings; Tbourida; Veterinary science; X-ray

No. 315

Shen, Jiacheng; Melaku, Nigus Demelash; Treu, Roland; Wang, Junye
 Inventories of methane and nitrous oxide emissions from animal and crop farms of 69 municipalities in Alberta, Canada
 Journal of Cleaner Production v. 234, 2019: p. 895-911
 DOI: 10.1016/j.jclepro.2019.06.270

Keyword: Methane; Nitrous oxide; Emissions; Fertilizer distribution; IPCC inventory

No. 316

Takeuchi, Saori; Hida, Hirotake; Uchida, Mizuki; Naruse, Ryo; Yoshimi, Akira; Kitagaki, Shinji; Ozaki, Norio; Noda, Yukihiro
 Blonanserine ameliorates social deficit through dopamine-D3 receptor antagonism in mice administered phencyclidine as an animal model of schizophrenia
 Neurochemistry International v. 128, 2019: p. 127-134
 DOI: 10.1016/j.neuint.2019.04.008

Keyword: Blonanserine; Dopamine-D receptor; Phencyclidine; Social behavior

No. 317

Alejandre, Marta; Astiasarán, Iciar; Ansorena, Diana; Barbut, Shai
 Using canola oil hydrogels and organogels to reduce saturated animal fat in meat batters
 Food Research International v. 122, 2019: p. 129-136
 DOI: 10.1016/j.foodres.2019.03.056

Keyword: Carrageenan; Ethylcellulose; Fat replace; Hydrogelled emulsion; Meat emulsion; Organogel

No. 318

Abbaoui, Abdellatif; Tamegart, Lahcen; El Fari, Radouane; Gamrani, Halima
 Subcommissural organ–Reissner's fiber complex plasticity in two animal models of copper intoxication and modulatory effect of curcumin: Involvement of serotonin
 Journal of Chemical Neuroanatomy v. 97, 2019: p. 80-86
 DOI: 10.1016/j.jchemneu.2019.02.004

Keyword: Curcumin; Rats; Copper; Reissner's fiber; Serotonin; Subcommissural organ

No. 319

Matsumoto, Hirokazu; Kohara, Ryosuke; Sugi, Makoto; Usui, Azumi; Oyama, Kenji; Mannen, Hideyuki; Sasazaki, Shinji
 The non-synonymous mutation in bovine SPP1 gene influences carcass weight
 Heliyon v. 5, 2019: p. e03006
 DOI: 10.1016/j.heliyon.2019.e03006

Keyword: Cattle; SNP; Animal breeding; Genetics; Carcass weight; DNA sequencing; Gene mutation; Japanese Black cattle; Muscle; Promoter; SPP1

No. 320

Baradaran Rahimi, Vafa; Askari, Vahid Reza; Mousavi, Seyed Hadi
 Ellagic acid dose and time-dependently abrogates d-galactose-induced animal model of aging: Investigating the role of PPAR-γ
 Life Sciences v. 232, 2019: p. 116595
 DOI: 10.1016/j.lfs.2019.116595

Keyword: Aging; -Galactose; Anti-inflammatory; Ellagic acid; Metformin; PPAR-γ

No. 321

Amalina Ishak, Farah; Haziq Jamil, Muhammad; Syukor Abd Razak, Abdul; Huwaida Anuar Zamani, Nurul; Rashid Ab Hamid, Mohd
Development of Animal Feed from Waste to Wealth using Napier Grass and Palm Acid Oil (PAO) from Palm Oil Mill Effluent (POME)
Materials Today: Proceedings v. 19 , 2019 : p. 1618-1627
DOI: 10.1016/j.matpr.2019.11.190

Keyword: Cattle feeds; coconut waste (Cocos nucifera); Napier grass; palm acid oil (PAO); water lettuce (Pistia stratiotes L.)

No. 322

Golem, Devon; Eck, Kaitlyn M.; Delaney, Colleen L.; Clark, Rashel L.; Shelnutt, Karla P.; Olfert, Melissa D.; Byrd-Bredbenner, Carol
"My stuffed animals help me": the importance, barriers, and strategies for adequate sleep behaviors of school-age children and parents
Sleep Health v. 5, 2019: p. 152-160
DOI: 10.1016/j.sleh.2018.11.003

Keyword: Bedtime routine; Cognitions; Sleep behaviors

No. 323

Ehlers, Julian; Poppert, Sven; Ratovonamana, Rakotomalala Yedidya; Ganzhorn, Jörg Ulrich; Tappe, Dennis; Krüger, Andreas
Ectoparasites of endemic and domestic animals in southwest Madagascar
Acta Tropica v. 196, 2019: p. 83-92
DOI: 10.1016/j.actatropica.2019.05.008

Keyword: Madagascar; Livestock; Ectoparasites; Habitat disturbance; Lemurs; Small mammals

No. 324

Konkol, Damian; Szmigiel, Ida; Domżał-Kędzia, Marta; Kułczyński, Marek; Krasowska, Anna; Opaliński, Sebastian; Korczyński, Mariusz; Łukaszewicz, Marcin
Biotransformation of rapeseed meal leading to production of polymers, biosurfactants, and fodder
Bioorganic Chemistry v. 93, 2019: p. 102865
DOI: 10.1016/j.bioorg.2019.03.039

Keyword: Probiotics; Animal feed, Biosurfactants; Biorefinery; Cattle farming; Rapeseed meal

No. 325

Salau, Jennifer; Lamp, Ole; Krieter, Joachim
Dairy cows' contact networks derived from videos of eight cameras
Biosystems Engineering v. 188, 2019: p. 106-113
DOI: 10.1016/j.biosystemseng.2019.10.018

Keyword: Axis M3046-V IP cameras; Cow barn surveillance; Herd activity; Network analysis

No. 326

Waiblinger, Susanne; Hajek, Franziska; Lambacher, Bianca; Wittek, Thomas
Effects of the method of restraint for shearing on behaviour and heart rate variability in alpacas
Applied Animal Behaviour Science v. , 2019: p. 104918
DOI: 10.1016/j.applanim.2019.104918

Keyword: Stress; Handling; Heart rate variability; Restraint; Shearing; South American camelids

No. 327

Odaira, Takayo; Nakagawasai, Osamu; Takahashi, Kohei; Nemoto, Wataru; Sakuma, Wakana; Lin, Jia-Rong; Tan-No, Koichi
Mechanisms underpinning AMP-activated protein kinase-related effects on behavior and hippocampal neurogenesis in an animal model of depression
Neuropharmacology v. 150, 2019: p. 121-133
DOI: 10.1016/j.neuropharm.2019.03.026

Keyword:

No. 328

dos Reis, Sandra Aparecida; da Conceição, Lisiane Lopes; e Dias, Mariana Moura; Siqueira, Nathane Paes; Rosa, Damiana Diniz; de Oliveira, Leandro Licursi; da Matta, Sérgio Luis Pinto; Peluzio, Maria do Carmo Gouveia
Kefir reduces the incidence of pre-neoplastic lesions in an animal model for colorectal cancer
Journal of Functional Foods v. 53, 2019: p. 1-6
DOI: 10.1016/j.jff.2018.11.050

Keyword: Probiotics; Aberrant crypt foci; Intestinal microbiota

No. 329

Cho, Sun-A; An, Susun; Park, Jae-Hak

High-throughput screening (HTS)-based spectrophotometric direct peptide reactivity assay (Spectro-DPRA) to predict human skin sensitization potential

Toxicology Letters v. 314 , 2019 : p. 27-36

DOI: 10.1016/j.toxlet.2019.07.014

Keyword: Animal alternative; Peptide reactivity; Skin sensitization; Spectrophotometric

No. 330

Cui, Yingzhe; Chang, Lulu; Wang, Chunbo; Han, Xudong; Mu, Lili; Hao, Yue; Liu, Chonghui; Zhao, Jiarui; Zhang, Tongshuai; Zhang, Haiyu; Zhang, Yao; Liu, Yumei; Zhao, Wei; Wang, Jinghua; Liu, Xijun; Sun, Bo; Wang, Guangyou; Kong, Qingfei; Han, Junwei; Li, H

Metformin attenuates autoimmune disease of the neuromotor system in animal models of myasthenia gravis

International Immunopharmacology v. 75, 2019: p. 105822

DOI: 10.1016/j.intimp.2019.105822

Keyword: Metformin; Experimental autoimmune myasthenia gravis (EAMG); Reactive oxygen vtj\ species (ROS); Regulatory T cells (Treg); T helper cells 17 (Th17)

No. 331

Gisselsson-Solén, Marie; Tähtinen, Paula A.; Ryan, Allen F.; Mulay, Apoorva; Kariya, Shin; Schilder, Anne G.M.; Valdez, Tulio A.; Brown, Steve; Nolan, Ryan M.; Hermansson, Ann; van Ingen, Gijs; Marom, Tal
Panel 1: Biotechnology, biomedical engineering and new models of otitis media

International Journal of Pediatric Otorhinolaryngology v. , 2019: p. 109833

DOI: 10.1016/j.ijporl.2019.109833

Keyword: Treatment; Animal model; Vaccines; Diagnostics; Otitis media

No. 332

Lespes, Carole; Lachenal, Thibault; Gardeisen, Armelle; Gascó, Jean
New perspectives on Late Bronze Age lagoon sites in the South of France revealed by animal exploitation at the La Motte I site (Hérault)

Journal of Archaeological Science: Reports v. 25, 2019: p. 206-216

DOI: 10.1016/j.jasrep.2019.04.005

Keyword: Culling profile; French Mediterranean; Herd management; Lagoons; Late Bronze Age

No. 333

Arhant, Christine; Hörschläger, Nicole; Troxler, Josef

Attitudes of veterinarians and veterinary students to recommendations on how to improve dog and cat welfare in veterinary practice

Journal of Veterinary Behavior v. 31, 2019: p. 10-16

DOI: 10.1016/j.jveb.2019.01.004

Keyword: companion animals; animal welfare; cats; dogs; low-stress handling; veterinary practice

No. 334

Badger, Julia R.; Shapiro, Laura R.

We're going to the zoo: Interactive educational activities with animals boost category-based induction in children

Cognitive Development v. 49, 2019: p. 1-10

DOI: 10.1016/j.cogdev.2018.10.003

Keyword: Education; Category; Child development; Induction; Training

No. 335

Zhong, Xiaofen; Li, Hongda; Kim, Jason; Chang, Qiang

Regulation of neural differentiation, synaptic scaling and animal behavior by MeCP2 phosphorylation

Neurobiology of Learning and Memory v. 165, 2019: p. 106859

DOI: 10.1016/j.nlm.2018.04.014

Keyword: MeCP2; Phosphorylation; Rett syndrome; S421; S80

No. 336

Benkerrou, D.; Minicozzi, V.; Gradogna, A.; Milenkovic, S.; Bodrenko, I.V.; Festa, M.; Lagostena, L.; Cornara, L.; D'Amore, A.; Ceccarelli, M.; Filippini, A.; Carpaneto, A.

A perspective on the modulation of plant and animal two pore channels (TPCs) by the flavonoid naringenin

Biophysical Chemistry v. 254, 2019: p. 106246

DOI: 10.1016/j.bpc.2019.106246

Keyword: Fluorescence; Animal lysosome; Molecular docking; Patch-clamp; Plant vacuole; TPC channels

No. 337

Ngo, Kang Min; Hosaka, Tetsuro; Numata, Shinya
 The influence of childhood nature experience on attitudes and tolerance towards problem-causing animals in Singapore
 Urban Forestry & Urban Greening v. 41, 2019 : p. 150-157
 DOI: 10.1016/j.ufug.2019.04.003
Keyword: Coexistence with wildlife; Structured equation modelling; Urban wildlife; Wildlife aversion

No. 338

Hunter, Caroline A.; Kartal, Funda; Koc, Zeynep C.; Murphy, Tamara; Kim, Jung Han; Denvir, James; Koc, Emine C.
 Mitochondrial oxidative phosphorylation is impaired in TALLYHO mice, a new obesity and type 2 diabetes animal model
 The International Journal of Biochemistry & Cell Biology v. 116, 2019: p. 105616
 DOI: 10.1016/j.biocel.2019.105616
Keyword: Mitochondrial biogenesis; Mitochondrial ribosomal proteins; Oxidative phosphorylation; TALLYHO/Jng mice; Type 2 diabetes

No. 339

Mekonnen, Mesfin M.; Neale, Christopher M.U.; Ray, Chittaranjan; Erickson, Galen E.; Hoekstra, Arjen Y.
 Water productivity in meat and milk production in the US from 1960 to 2016
 Environment International v. 132, 2019: p. 105084
 DOI: 10.1016/j.envint.2019.105084
Keyword: Animal feed; Feed conversion efficiency; Sustainability; Water footprint; Water use

No. 340

Shaafi, Sheida; Sharifi-Bonab, Mirmohsen; Ghaemian, Neda; Mokhtarkhani, Mohaddeseh; Akbari, Hossen
 Early Motor-Behavioral Outcome of Ischemic Stroke with Ketogenic Diet Preconditioning: Interventional Animal Study
 Journal of Stroke and Cerebrovascular Diseases v. 28, 2019: p. 1032-1039
 DOI: 10.1016/j.jstrokecerebrovasdis.2018.12.024
Keyword: adjusting step test; beam test; cylinder test; Ischemic cerebral stroke; ketogenic diet; medium chain triglyceride; motor-behavior function

No. 341

Maia, Margarida R.G.; Fonseca, António J.M.; Cortez, Paulo P.; Cabrita, Ana R.J.
 In vitro evaluation of macroalgae as unconventional ingredients in ruminant animal feeds
 Algal Research v. 40, 2019: p. 101481
 DOI: 10.1016/j.algal.2019.101481
Keyword: Digestibility; Feed ingredient; Macroalgae; Rumen fermentation

No. 342

Wang, Xiujuan; Ding, Shuang; Lu, Yanli; Jiao, Zhiqiang; Zhang, Lin; Zhang, Yan; Yang, Yongfeng; Zhang, Yujuan; Li, Wenqiang; Lv, Luxian
 Effects of sodium nitroprusside in the acute dizocilpine (MK-801) animal model of schizophrenia
 Brain Research Bulletin v. 147, 2019: p. 140-147
 DOI: 10.1016/j.brainresbull.2019.02.008
Keyword: MK-801; Schizophrenia; Cognitive deficit; Sodium nitroprusside

No. 343

Toppel, K; Kaufmann, F; Schön, H; Gauly, M; Andersson, R
 Effect of pH-lowering litter amendment on animal-based welfare indicators and litter quality in a European commercial broiler husbandry
 Poultry Science v. 98, 2019: p. 1181-1189
 DOI: 10.3382/ps/pey489
Keyword: broiler; welfare; foot pad dermatitis; litter pH; litter treatment

No. 344

Cheng, Yin; Yeung, Wan Lung; Zhang, Ping De; Li, Ning; Kiang, Mei Yee; Leung, Gilberto K.K.
 Progesterone Is More Effective Than Dexamethasone in Prolonging Overall Survival and Preserving Neurologic Function in Experimental Animals with Orthotopic Glioblastoma Allografts
 World Neurosurgery v. 125, 2019: p. e497-e507
 DOI: 10.1016/j.wneu.2019.01.113
Keyword: Progesterone; Survival; Dexamethasone; Functional outcome; Glioblastoma; Peritumoral edema

No. 345

Missault, Stephan; Anckaerts, Cynthia; Ahmadoun, Soumaya; Blockx, Ines; Barbier, Michaël; Bielen, Kenny; Shah, Disha; Kumar-Singh, Samir; De Vos, Winnok H.; Van der Linden, Annemie; Dedeurwaerdere, Stefanie; Verhoye, Marleen

Hypersynchronicity in the default mode-like network in a neurodevelopmental animal model with relevance for schizophrenia
Behavioural Brain Research v. 364 , 2019 : p. 303-316

DOI: 10.1016/j.bbr.2019.02.040

Keyword: MK-801; Biomarker; Autism spectrum disorder; Diffusion MRI; Prenatal immune activation

No. 347

Elzen, Boelie; Bos, Bram

The RIO approach: Design and anchoring of sustainable animal husbandry systems

Technological Forecasting and Social Change v. 145, 2019: p. 141-152

DOI: 10.1016/j.techfore.2016.05.023

Keyword: Anchoring of sustainable innovations; Animal husbandry; Reflexive Interactive Design (RIO); Sustainable design; Transition stimulation

No. 349

dos Santos, Bruna A.; Pereira, Guilherme L.; Bussiman, Fernando de O.; Paschoal, Victória R.; de Souza Júnior, Sérgio M.; Balieiro, Júlio César de C.; Chardulo, Luís Artur L.; Curi, Rogério A.

Genomic analysis of the population structure in horses of the Brazilian Mangalarga Marchador breed

Livestock Science v. 229, 2019: p. 49-55

DOI: 10.1016/j.livsci.2019.09.010

Keyword: SNP; Effective size; Linkage disequilibrium; Population structure

No. 351

Beckett, L.; Rosemond, R.; Renquist, B.; White, R.R.

Technical note: A muscle biopsy technique for stratifying cattle by skeletal muscle metabolic activity

Journal of Dairy Science v. 102, 2019: p. 3136-3141

DOI: 10.3168/jds.2018-15118

Keyword: skeletal muscle; bovine; metabolic activity

No. 346

Vishniakou, Ivan; Plöger, Paul G.; Seelig, Johannes D.

Virtual reality for animal navigation with camera-based optical flow tracking

Journal of Neuroscience Methods v. 327, 2019: p. 108403

DOI: 10.1016/j.jneumeth.2019.108403

Keyword: Ball tracking; Drosophila; Navigation; Optical flow; Real-time image processing; Spherical treadmill; Virtual reality

No. 348

Mota, Lucio F.M.; Costa, Leonardo S.; Garzón, Natalia A.M.; Passafaro, Tiago L.; Silva, Diogo O.; Abreu, Luiza R.A.; Verardo, Lucas L.; Bonafé, Cristina M.; Ventura, Henrique T.

Unraveling the effect of body structure score on phenotypic plasticity for body weight at different ages in Guzerat cattle

Livestock Science v. 229, 2019: p. 98-104

DOI: 10.1016/j.livsci.2019.09.015

Keyword: Animal sensitivity; Body structure; Genotype-environment interaction; Performance trait

No. 350

Taha, Ahmed; Ahmed, Eman; Hu, Tan; Xu, Xiaoyun; Pan, Siyi; Hu, Hao

Effects of different ionic strengths on the physicochemical properties of plant and animal proteins-stabilized emulsions fabricated using ultrasound emulsification

Ultrasonics Sonochemistry v. 58, 2019: p. 104627

DOI: 10.1016/j.ultsonch.2019.104627

Keyword: Particle size; Fluorescence microscopy; Sonication; Soybean; Surface charge; Thermal and freeze thaw stability

No. 352

Edwards, Peter; Zhang, Wenbo; Belton, Ben; Little, David C.

Misunderstandings, myths and mantras in aquaculture: Its contribution to world food supplies has been systematically over reported

Marine Policy v. 106, 2019: p. 103547

DOI: 10.1016/j.marpol.2019.103547

Keyword: Livestock; Food security; Aquaculture; Aquatic animal-source food; Fisheries; Terrestrial animal-source food

No. 353

Delgado, Juan D.; Durán Humia, Jorge; Rodríguez Pereiras, Alexandra; Rosal, Antonio; del Valle Palenzuela, María; Morelli, Federico; Arroyo Hernández, Natalia L.; Rodríguez Sánchez, Jesús
The spatial distribution of animal casualties within a road corridor: Implications for roadkill monitoring in the southern Iberian rangelands
Transportation Research Part D: Transport and Environment v. 67, 2019 : p. 119-130

DOI: 10.1016/j.trd.2018.11.017

Keyword: Wildlife; Casualty locations; Road profile; Roadkill; Seasonal variation; Traffic intensity; WVC

No. 355

Hristov, A.N.; Bannink, A.; Crompton, L.A.; Huhtanen, P.; Kreuzer, M.; McGee, M.; Nozière, P.; Reynolds, C.K.; Bayat, A.R.; Yáñez-Ruiz, D.R.; Dijkstra, J.; Kebreab, E.; Schwarm, A.; Shingfield, K.J.; Yu, Z.
Invited review: Nitrogen in ruminant nutrition: A review of measurement techniques

Journal of Dairy Science v. 102, 2019: p. 5811-5852

DOI: 10.3168/jds.2018-15829

Keyword: environment; manure; metabolism; nitrogen; ruminant animal; technique

No. 357

Rakgantshe, Cleopatra; Mabandla, Musa V.

Acetylcholine receptor agonist effect on seizure activity and GABAergic mechanisms involved in prolonged febrile seizure development in an animal model

Brain Research Bulletin v. 149, 2019: p. 203-207

DOI: 10.1016/j.brainresbull.2019.04.022

Keyword: GABA; Glutamate decarboxylase (GAD); Prolonged febrile seizures; α 7-nAChRs

No. 359

Wente, N.; Klocke, D.; Paduch, J.-H.; Zhang, Y.; Seeth, M. tho; Zoche-Golob, V.; Reinecke, F.; Mohr, E.; Krömker, V.
Associations between Streptococcus uberis strains from the animal environment and clinical bovine mastitis cases

Journal of Dairy Science v. 102, 2019: p. 9360-9369

DOI: 10.3168/jds.2019-16669

Keyword: epidemiology; environmental; mastitis; strain typing

No. 354

Shiomi, Masashi; Takeda, Hiroaki; Irino, Yasuhiro; Kimura, Norie; Yamada, Satoshi; Kuniyoshi, Nobue; Kikumori, Akio; Koike, Yu; Koike, Tomonari; Yoshida, Masaru; Izumi, Yoshihiro; Shinohara, Masakazu; Bamba, Takeshi; Ishida, Tatsuro

Identification of novel serum markers for the progression of coronary atherosclerosis in WHHLMI rabbits, an animal model of familial hypercholesterolemia

Atherosclerosis v. 284, 2019: p. 18-23

DOI: 10.1016/j.atherosclerosis.2019.02.020

Keyword: Coronary atherosclerosis; Lipidome analysis; Metabolome analysis; Serum marker; WHHLMI rabbit

No. 356

Su, Ai-shan; Zhang, Jun-wei; Zou, Jing

The anxiolytic-like effects of puerarin on an animal model of PTSD

Biomedicine & Pharmacotherapy v. 115, 2019: p. 108978

DOI: 10.1016/j.biopha.2019.108978

Keyword: Hypothalamic-pituitary-adrenal; Neurosteroid; Post traumatic stress disorder; Puerarin

No. 358

Liu, Xiao; Chen, Hui; Su, Guangbao; Song, Ping; Jiang, Miao; Gong, Jiening

An animal research and a chemical composition analysis of a Chinese prescription for pulmonary fibrosis: Yangfei Huoxue Decoction

Journal of Ethnopharmacology v. 245, 2019: p. 112126

DOI: 10.1016/j.jep.2019.112126

Keyword: Pulmonary fibrosis (PF); Structural characterization; UNIFI; UPLC/QTOF-MS; Yangfei huoxue decoction (YHD)

No. 360

Rozhnov, Sergey

The onset of the Ordovician evolutionary radiation of benthic animals in the Baltic Region: Explosive diversity of attachment structures of stalked echinoderms, substrate revolution and the role of cyanobacterial communities

Palaeoworld v. 28, 2019: p. 110-122

DOI: 10.1016/j.palwor.2018.05.001

Keyword: Baltica; Great Ordovician Biodiversification Event; Hardground; Holdfasts; Ordovician; Stemmed echinoderms

No. 361

de Oliveira Silva, Juliana; Fernandes, Renata Salgado; Ramos Oda, Caroline Mari; Ferreira, Tiago Hilário; Machado Botelho, Ana Flávia; Martins Melo, Marília; de Miranda, Marcelo Coutinho; Assis Gomes, Dawidson; Dantas Cassali, Geovanni; Townsend, Danyelle
Folate-coated, long-circulating and pH-sensitive liposomes enhance doxorubicin antitumor effect in a breast cancer animal model
Biomedicine & Pharmacotherapy v. 118, 2019 : p. 109323
DOI: 10.1016/j.biopha.2019.109323

Keyword: Cardiotoxicity; Breast cancer; Doxorubicin; Folic acid; Long-circulating liposome; pH-Sensitive liposome

No. 363

Lei, Sicong; Shi, Yan; Qiu, Yuping; Che, Lei; Xue, Cong
Performance and mechanisms of emerging animal-derived biochars for immobilization of heavy metals
Science of The Total Environment v. 646, 2019: p. 1281-1289
DOI: 10.1016/j.scitotenv.2018.07.374

Keyword: Hydroxyapatite; Precipitation; Biochar; Ion exchange; Reduction

No. 365

Babinska, Anna; Clement, Cristina C.; Przygodzki, Tomasz; Talar, Marcin; Li, Yan; Braun, Marcin; Wzorek, Joanna; Swiatkowska, Maria; Ehrlich, Yigal H.; Kornecki, Elizabeth; Watala, Cezary; Salifu, Moro O.
A peptide antagonist of F11R/JAM-A reduces plaque formation and prolongs survival in an animal model of atherosclerosis
Atherosclerosis v. 284, 2019: p. 92-101
DOI: 10.1016/j.atherosclerosis.2019.02.014

Keyword: mice; Inflammation; Atherosclerosis; Endothelium; F11R; F11R/JAM-A; JAM-A; Peptide 4D; Platelet F11 receptor

No. 367

Klink-Lehmann, Jeanette; Langen, Nina
Illuminating the 'animal welfare' consumer via different elicitation techniques
Meat Science v. 157, 2019: p. 107861
DOI: 10.1016/j.meatsci.2019.05.032

Keyword:

No. 362

Atwood-Blaine, Dana; Rule, Audrey C.; Walker, Jordan
Creative self-efficacy of children aged 9-14 in a science center using a situated Mobile game
Thinking Skills and Creativity v. 33, 2019: p. 100580
DOI: 10.1016/j.tsc.2019.100580

Keyword: Creativity; Gender differences; Creative self-efficacy; Elementary students; Location-Based game; Middle school students; Science center

No. 364

Zhang, Wen-Jin; Li, Peng-Hui; Zhao, Min-Cong; Gu, Yao-Hao; Dong, Chang-Zhi; Chen, Hui-Xiong; Du, Zhi-Yun
Synthesis and identification of quinoline derivatives as topoisomerase I inhibitors with potent antipsoriasis activity in an animal model
Bioorganic Chemistry v. 88, 2019: p. 102899
DOI: 10.1016/j.bioorg.2019.03.073

Keyword: Psoriasis; Imiquimod-induced inflammation; Proinflammatory markers; Quinoline derivatives; Topoisomerase I

No. 366

Nunes da Silva, Carolina; Nunes, Kênia Pedrosa; De Marco Almeida, Flávia; Silva Costa, Fábio Lucas; Borges, Perla Villani; Lacativa, Paulo; Pimenta, Adriano Monteiro C.; Elena de Lima, Maria
PnPP-19 Peptide Restores Erectile Function in Hypertensive and Diabetic Animals Through Intravenous and Topical Administration
The Journal of Sexual Medicine v. 16, 2019: p. 365-374
DOI: 10.1016/j.jsxm.2019.01.004

Keyword: Diabetes; Hypertension; Erectile Function/Dysfunction; Intravenous Administration; PnPP-19; Topical Administration

No. 368

Li, Xiaomin; Dong, Shujun; Wang, Peilong; Su, Xiaou; Fu, Jianjie
Polychlorinated biphenyls are still alarming persistent organic pollutants in marine-origin animal feed (fishmeal)
Chemosphere v. 233, 2019: p. 355-362
DOI: 10.1016/j.chemosphere.2019.05.250

Keyword: Fishmeal; Geographical distribution; Global; Polychlorinated biphenyls; Polychlorinated dibenzo--dioxins and furans; Time trends

No. 369

Torii, Shiho; Matsuno, Keita; Qiu, Yongjin; Mori-Kajihara, Akina; Kajihara, Masahiro; Nakao, Ryo; Nao, Naganori; Okazaki, Katsunori; Sashika, Mariko; Hiono, Takahiro; Okamatsu, Masatoshi; Sakoda, Yoshihiro; Ebihara, Hideki; Takada, Ayato; Sawa, Hirofumi
Infection of newly identified phleboviruses in ticks and wild animals in Hokkaido, Japan indicating tick-borne life cycles
Ticks and Tick-borne Diseases v. 10 , 2019 : p. 328-335
DOI: 10.1016/j.ttbdis.2018.11.012

Keyword: Phlebovirus; Tick-borne virus

No. 370

Basting, Rosanna Tarkany; Spindola, Humberto Moreira; Sousa, Ilza Maria de Oliveira; Queiroz, Nubia de Cassia Almeida; Trigo, José Roberto; de Carvalho, João Ernesto; Foglio, Mary Ann
Pterodon pubescens and Cordia verbenacea association promotes a synergistic response in antinociceptive model and improves the anti-inflammatory results in animal models
Biomedicine & Pharmacotherapy v. 112, 2019: p. 108693
DOI: 10.1016/j.biopha.2019.108693

Keyword: Anti-inflammatory; Antinociceptive; Natural products; Synergism

No. 371

Ramírez-Restrepo, Carlos A.; Vera, Raul R.; Rao, Idupulapati M.
Dynamics of animal performance, and estimation of carbon footprint of two breeding herds grazing native neotropical savannas in eastern Colombia
Agriculture, Ecosystems & Environment v. 281, 2019: p. 35-46
DOI: 10.1016/j.agee.2019.05.004

Keyword: Carbon footprint; Liveweight; Methane emissions; Orinoco basin; Reproductive performance; Soil emissions

No. 372

Chang, Chih-Ling; Kao, Tsai-Hua
Antiobesity effect of brewer's yeast biomass in animal model
Journal of Functional Foods v. 55, 2019: p. 255-262
DOI: 10.1016/j.jff.2019.02.027

Keyword: Antiobesity; Brewer's yeast biomass; Hopbitter acids; Prenylflavonoids

No. 373

Milioli, Maria Vitoria Meller; Burger, Henrique; Olivieri, Rodrigo; Michels, Monique; Ávila, Pricila; Abatti, Mariane; Indalécio, Amanda; Ritter, Cristiane; Dal-Pizzol, Felipe
The impact of age on long-term behavioral and neurochemical parameters in an animal model of severe sepsis
Neuroscience Letters v. 708, 2019: p. 134339
DOI: 10.1016/j.neulet.2019.134339

Keyword: Aging; Brain inflammation; Sepsis; β -amyloid

No. 374

Colominas, Lúdia; Antolín, Ferran; Ferrer, Marc; Castanyer, Pere; Tremoleda, Joaquim
From Vilauba to Vila Alba: Changes and continuities in animal and crop husbandry practices from the Early Roman to the beginning of the Middle Ages in the north-east of the Iberian Peninsula
Quaternary International v. 499, 2019: p. 67-79
DOI: 10.1016/j.quaint.2017.12.034

Keyword: Archaeozoology; Herd management; Archaeobotany; Late antiquity; Visigoth kingdom

No. 375

Alavi, Sayyed Mohammad Hadi; Cosson, Jacky
The special issue "Reproductive biology in male aquatic animals: From stem cells to sperm" is dedicated to Professor Masaaki MORISAWA
Theriogenology v. 136, 2019: p. 7-9
DOI: 10.1016/j.theriogenology.2019.06.010

Keyword:

No. 376

Zhang, Li-Bo; He, Min
Effect of mesenchymal stromal (stem) cell (MSC) transplantation in asthmatic animal models: A systematic review and meta-analysis
Pulmonary Pharmacology & Therapeutics v. 54, 2019: p. 39-52
DOI: 10.1016/j.pupt.2018.11.007

Keyword: Systematic review; Asthma; Mesenchymal stromal (stem) cell (MSC); Meta-Analysis

No. 377

Marques, Júlia A.; Del Valle, Tiago A.; Ghizzi, Lucas G.; Zilio, Elissandra M.C.; Gheller, Larissa S.; Nunes, Alanne T.; Silva, Tássia B.P.; Dias, Mauro S. da S.; Grigoletto, Nathália T.S.; Koontz, Anne F.; da Silva, Guilherme G.; Rennó, Francisco P.

Increasing dietary levels of docosahexaenoic acid-rich microalgae: Ruminal fermentation, animal performance, and milk fatty acid profile of mid-lactating dairy cows

Journal of Dairy Science v. 102 , 2019 : p. 5054-5065

DOI: 10.3168/jds.2018-16017

Keyword: digestibility; n-3; polyunsaturated fatty acid; sp.

No. 378

Khan, Rajwali; Raza, Sayad Haidar Abbas; Schreurs, Nicola; Xiaoyu, Wang; Hongbao, Wang; Ullah, Irfan; Rahman, Abdur; Suhail, Syed Muhammad; Khan, Sarzamin; Linsen, Zan

Bioinformatics analysis and transcriptional regulation of TORC1 gene through transcription factors NRF1 and Smad3 in bovine preadipocytes Genomics v. , 2019: p.

DOI: 10.1016/j.ygeno.2019.09.007

Keyword: Promoter; Adipogenesis; CRT1; Luciferase assay; Transcription factors

No. 379

Gilhofer, Elisabeth Marianne; Windschnurer, Ines; Troxler, Josef; Heizmann, Veronika

Welfare of feral cats and potential influencing factors

Journal of Veterinary Behavior v. 30, 2019: p. 114-123

DOI: 10.1016/j.jveb.2018.12.012

Keyword: animal welfare; environment; colony cats; health status; human-animal relationship; stray cats

No. 380

Larson, Larry L.; Larson, P.A.

Animal Track Accumulation on Streambanks of Four Eastern Oregon Streams

Rangeland Ecology & Management v. , 2019: p.

DOI: 10.1016/j.rama.2019.11.007

Keyword: bank alteration; riparian; sequential; systematic; tracks

No. 381

Vila-Donat, Pilar; Marín, Sonia; Sanchis, Vicente; Ramos, Antonio J.

New mycotoxin adsorbents based on tri-octahedral bentonites for animal feed

Animal Feed Science and Technology v. 255, 2019: p. 114228

DOI: 10.1016/j.anifeedsci.2019.114228

Keyword: Animal feed; Adsorption isotherms; Aflatoxin B; Bentonite; Decontamination; Ochratoxin A

No. 382

Hohl, Simon V.; Jiang, Shao-Yong; Wei, Hai-Zhen; Pi, Dao-Hui; Liu, Qian; Viehmann, Sebastian; Galer, Stephen J.G.

Cd isotopes trace periodic (bio)geochemical metal cycling at the verge of the Cambrian animal evolution

Geochimica et Cosmochimica Acta v. 263, 2019: p. 195-214

DOI: 10.1016/j.gca.2019.07.036

Keyword: Biogeochemical metal cycling; Cambrian explosion; Cd isotopes; Paleoproductivity

No. 383

Zhao, Kelei; Ma, Jinnan; Wang, Xinrong; Guo, Yidong; Yue, Bisong; Chu, Yiwen

Population divergence of *Pseudomonas aeruginosa* can lead to the coexistence with *Escherichia coli* in animal suppurative lesions

Veterinary Microbiology v. 231, 2019: p. 169-176

DOI: 10.1016/j.vetmic.2019.03.014

Keyword: Evolution; Mutation; Coexistence; Forest musk deer; Purulent disease; Quorum-sensing

No. 384

Rizvi, Syed Zaki Husain; Shah, Fawad Ali; Khan, Namrah; Muhammad, Iftikhar; Ali, Khan Hashim; Ansari, Muhammad Mohsin; Din, Fakhar ud; Qureshi, Omer Salman; Kim, Kyoung-Won; Choe, Yeong-Hwan; Kim, Jin-Ki; Zeb, Alam

Simvastatin-loaded solid lipid nanoparticles for enhanced anti-hyperlipidemic activity in hyperlipidemia animal model

International Journal of Pharmaceutics v. 560, 2019: p. 136-143

DOI: 10.1016/j.ijpharm.2019.02.002

Keyword: HMG-CoA reductase; Hyperlipidemia; Improved therapeutic efficiency; Simvastatin; Solid lipid nanoparticles; Sustained release

No. 385

Alavi, Sayyed Mohammad Hadi; Cosson, Jacky
 Reproductive biology in male aquatic animals: From stem cells to sperm – foreword
 Theriogenology v. 138, 2019 : p. 152-153
 DOI: 10.1016/j.theriogenology.2019.07.015
Keyword:

No. 386

Xing, Wenyu; Deng, Na; Xin, Binjie; Chen, Yang; Zhang, Zhengye
 Investigation of a novel automatic micro image-based method for the recognition of animal fibers based on Wavelet and Markov Random Field
 Micron v. 119, 2019: p. 88-97
 DOI: 10.1016/j.micron.2019.01.009
Keyword: Fiber recognition; GMRF; Micro image; SVM; Wavelet decomposition

No. 387

Jonker, A.; MacLean, S.; Woyimo Woju, C.; Garcia Rendon Calzada, M.; Yu, W.; Molano, G.; Hickey, S.; Pinares-Patiño, C.S.; McEwan, J.C.; Janssen, P.H.; Sandoval, E.; Lewis, S.; Rowe, S.
 Excreta emissions in progeny of low and high enteric methane yield selection line sheep fed pasture of different qualities
 Animal Feed Science and Technology v. 257, 2019: p. 114289
 DOI: 10.1016/j.anifeedsci.2019.114289
Keyword: Nitrous oxide; Animal variation; Breeding value; Greenhouse gas; Repeatability; Urine

No. 388

Chang, Ya-Shiou; Stromer, Marvin H; Chou, Rong-Ghi R
 Effect of age on calpain changes in postmortem goose muscle
 Poultry Science v. 98, 2019: p. 6131-6137
 DOI: 10.3382/ps/pez263
Keyword: calpain; goose muscle; postmortem proteolysis; tenderization

No. 389

He, Chunbo; Lv, Xiangmin; Huang, Cong; Angeletti, Peter C.; Hua, Guohua; Dong, Jixin; Zhou, Jin; Wang, Zhengfeng; Ma, Bowen; Chen, Xingcheng; Lambert, Paul F.; Rueda, Bo R.; Davis, John S.; Wang, Cheng
 A Human Papillomavirus-Independent Cervical Cancer Animal Model Reveals Unconventional Mechanisms of Cervical Carcinogenesis
 Cell Reports v. 26, 2019: p. 2636-2650.e5
 DOI: 10.1016/j.celrep.2019.02.004
Keyword: cervical cancer mouse model; cervical carcinogenesis; Hippo pathway; HPV infection; HPV receptor molecules; innate immunity; interferon-stimulated genes; molecular mechanism; type I interferon; YAP1 oncogene

No. 390

Polishchuk, Elena V.; Merolla, Assunta; Lichtmanegger, Josef; Romano, Alessia; Indrieri, Alessia; Ilyechova, Ekaterina Y.; Concilli, Mafalda; De Cegli, Rossella; Crispino, Roberta; Mariniello, Marta; Petruzzelli, Raffaella; Ranucci, Giusy; Iorio, Raffael
 Activation of Autophagy, Observed in Liver Tissues From Patients With Wilson Disease and From ATP7B-Deficient Animals, Protects Hepatocytes From Copper-Induced Apoptosis
 Gastroenterology v. 156, 2019: p. 1173-1189.e5
 DOI: 10.1053/j.gastro.2018.11.032
Keyword: Copper; Copper Homeostasis; Metal Toxicity; Mitophagy

No. 391

Alves de Paula, Renata; Cruz Aleixo, Amanda Sarita; Peternelli da Silva, Leticia; Grandi, Marina Cecília; Tsunemi, Miriam Harumi; Lourenço, Maria Lucia Gomes; Chiacchio, Simone Biagio
 A test of the effects of the equine maternal pheromone on the clinical and ethological parameters of equines undergoing hoof trimming
 Journal of Veterinary Behavior v. 31, 2019: p. 28-35
 DOI: 10.1016/j.jveb.2019.01.005
Keyword: animal well-being; behavior; hoof trimming; HRV; pheromone therapy

No. 392

Strzelewicz, Arielle R.; Ordoñez Sanchez, Evelyn; Rondón-Ortiz, Alejandro N.; Raneri, Anthony; Famularo, Sydney T.; Bangasser, Debra A.; Kentner, Amanda C.
 Access to a high resource environment protects against accelerated maturation following early life stress: A translational animal model of high, medium and low security settings
 Hormones and Behavior v. 111, 2019: p. 46-59
 DOI: 10.1016/j.yhbeh.2019.01.003
Keyword: Environmental enrichment; Animal models; Early life stress; Kisspeptin; Limited bedding; Maternal care; Precocious puberty; Social economic status; Western diet

No. 393

Detka, Jan; Ślusarczyk, Joanna; Kurek, Anna; Kucharczyk, Mateusz; Adamus, Tomasz; Konieczny, Paweł; Kubera, Marta; Basta-Kaim, Agnieszka; Lasoń, Władysław; Budziszewska, Bogusława
Hypothalamic insulin and glucagon-like peptide-1 levels in an animal model of depression and their effect on corticotropin-releasing hormone promoter gene activity in a hypothalamic cell line
Pharmacological Reports v. 71, 2019 : p. 338-346
DOI: 10.1016/j.pharep.2018.11.001

Keyword: Depression; Corticotropin-releasing hormone; Glucagon-like peptide-1; Hypothalamus; Insulin; mHypoA-2/12

No. 395

Wu, Hang; Wu, Zhi-gang; Shi, Wen-jing; Gao, Hui; Wu, Hong-hai; Bian, Fang; Jia, Peng-peng; Hou, Yan-ning
Effects of progesterone on glucose uptake in neurons of Alzheimer's disease animals and cell models
Life Sciences v. 238, 2019: p. 116979
DOI: 10.1016/j.lfs.2019.116979

Keyword: Progesterone; Alzheimer's disease; Glucose uptake; GLUT3; GLUT4; PGRMC1

No. 397

Hassan, Said; Ahmad, Bashir; Khan, Shahid Ullah; Linfang, Huang; Anjum, Syed Ishtiaq; Ansari, Muhammad Javed; Rahman, Khaista; Ahmad, Iftikhar; Khan, Wasim Ullah; Qamar, Rabia; Man, Shad; Nabi, Ghulam; Shah, Ayesha Haleem
In vivo pharmacological investigation of *Monothea buxifolia* and *Bosea amherstiana* using animal models
Saudi Journal of Biological Sciences v. 26, 2019: p. 1602-1606
DOI: 10.1016/j.sjbs.2018.10.008

Keyword: Analgesic; Antipyrretic; Sedative

No. 399

Zavodny, Emily; McClure, Sarah B.; Welker, Martin H.; Culleton, Brendan J.; Balen, Jacqueline; Kennett, Douglas J.
Scaling up: Stable isotope evidence for the intensification of animal husbandry in Bronze-Iron Age Lika, Croatia
Journal of Archaeological Science: Reports v. 23, 2019: p. 1055-1065
DOI: 10.1016/j.jasrep.2018.10.008

Keyword:

No. 394

Oguntibeju, O.O.; Aboua, G.Y.; Omodanisi, E.I.
Effects of *Moringa oleifera* on oxidative stress, apoptotic and inflammatory biomarkers in streptozotocin-induced diabetic animal model
South African Journal of Botany v. , 2019: p.
DOI: 10.1016/j.sajb.2019.08.039

Keyword: Antioxidant; Diabetes; Anti-inflammatory; Apoptotic; Methanol extract; Phytochemical; Streptozotocin

No. 396

Ghorbel, Mohamed T.; Jia, Huidong; Swim, Megan M.; Iacobazzi, Dominga; Albertario, Ambra; Zebebe, Carlo; Holopherne-Doran, Delphine; Hollander, Anthony; Madeddu, Paolo; Caputo, Massimo
Reconstruction of the pulmonary artery by a novel biodegradable conduit engineered with perinatal stem cell-derived vascular smooth muscle cells enables physiological vascular growth in a large animal model of congenital heart disease
Biomaterials v. 217, 2019: p. 119284
DOI: 10.1016/j.biomaterials.2019.119284

Keyword: Stem cells; Congenital heart disease; Grafts; Tissue-engineering

No. 398

Keseroglu, B.B.; Ozgur, B.C.; Surer, H.; Ogus, E.; Hucemenoglu, S.; Ozer, E.; Agras, K.; Yuceturk, C.N.; Karakan, T.
Which agent should be used to reduce ischemia-reperfusion injury after testicular torsion: a comparative animal experiment
Journal of Pediatric Urology v. 15, 2019: p. 607.e1-607.e7
DOI: 10.1016/j.jpuro.2019.06.005

Keyword: Experimental rat model; Ibuprofen; Metamizol; Paracetamol; Testis

No. 400

Wainwright, Warwick; Glenk, Klaus; Akaichi, Faical; Moran, Dominic
Conservation contracts for supplying Farm Animal Genetic Resources (FAnGR) conservation services in Romania
Livestock Science v. 224, 2019: p. 1-9
DOI: 10.1016/j.livsci.2019.03.016

Keyword: Agri-environmental schemes; Choice experiment; Conservation contracts; Farm Animal Genetic Resources

No. 401

de Boyer des Roches, Alice; Lardy, Romain; Capdeville, Jacques; Mounier, Luc; Veissier, Isabelle
 Do International Commission of Agricultural and Biosystems Engineering (CIGR) dimension recommendations for loose housing of cows improve animal welfare?
 Journal of Dairy Science v. 102, 2019 : p. 10235-10249
 DOI: 10.3168/jds.2018-16154

Keyword: dairy cow; cow welfare; equipment dimensions; loose housing

No. 403

Claus, Luís Afonso Marques; Barca Junior, Flávio Antônio; Koetz Junior, Celso; Pereira, Gabriel Ribas; Fávaro, Patrícia da Cruz; Galdioli, Victor Hugo Gonçalves; Seneda, Marcelo Marcondes; Ribeiro, Edson Luís de Azambuja
 Scrotal skin thickness, testicular shape and vascular perfusion using Doppler ultrasonography in bulls
 Livestock Science v. 226, 2019: p. 61-65
 DOI: 10.1016/j.livsci.2019.06.005

Keyword: Bull; Hemodynamic; Skin thickness; Testicular blood flow velocity; Thermotolerance

No. 405

Cui, Shusen; Li, Kai; Xu, Mingzhu; Yu, Wei
 Effect of Remyelination of Distal Coaptation on Nerve Regeneration After Nerve Grafting: Animal Experimental Study
 World Neurosurgery v. 122, 2019: p. e1365-e1373
 DOI: 10.1016/j.wneu.2018.11.049

Keyword: Nerve grafting; Nerve regeneration; Peripheral nerve

No. 407

Avraham, Yosefa; Berry, Elliot M; Donskoy, Marina; Ahmad, Wiessam Abu; Vorobiev, Lia; Albeck, Amnon; Mankuta, David
 Beta-carotene as a novel therapy for the treatment of "Autistic like behavior" in animal models of Autism
 Behavioural Brain Research v. 364, 2019: p. 469-479
 DOI: 10.1016/j.bbr.2017.09.041

Keyword: Animal models; BDNF; Oxytocin; Autism; Behavioral studies; Beta-carotene; Brain; CD38; Retinoic acid receptor

No. 402

Perales-Puchalt, Alfredo; Wojtak, Krzysztof; Duperret, Elizabeth K.; Yang, Xue; Slager, Anna M.; Yan, Jian; Muthumani, Kar; Montaner, Luis J.; Weiner, David B.
 Engineered DNA Vaccination against Follicle-Stimulating Hormone Receptor Delays Ovarian Cancer Progression in Animal Models
 Molecular Therapy v. 27, 2019: p. 314-325
 DOI: 10.1016/j.ymthe.2018.11.014

Keyword: cancer vaccine; DNA vaccine; follicle-stimulating hormone receptor; immunotherapy; ovarian cancer

No. 404

Nejat, Farhad; Nabavi, Nazanin-Sadat; Nejat, Mohammad-Amin; Aghamollaei, Hossein; Jadidi, Khosrow
 Safety evaluation of the plasma on ocular surface tissue: An animal study and histopathological findings
 Clinical Plasma Medicine v. 14, 2019: p. 100084
 DOI: 10.1016/j.cpme.2019.100084

Keyword: Safety; Ocular surface; Plasma; Plexr device

No. 406

Marchiori, Cíntia Maria; Pereira, Guilherme L.; Maiorano, Amanda M.; Rogatto, Gabriel M.; Assoni, Amanda D.; Augusto II V. Silva, Josineudson; Chardulo, Luís Artur L.; Curi, Rogério A.
 Linkage disequilibrium and population structure characterization in the cutting and racing lines of Quarter Horses bred in Brazil
 Livestock Science v. 219, 2019: p. 45-51
 DOI: 10.1016/j.livsci.2018.11.013

Keyword: Horse; Effective size; DNA polymorphism; Molecular marker; SNP array

No. 408

Rohilla, Suman; Bansal, Ranju; Kachler, Sonja; Klotz, Karl-Norbert
 Synthesis, biological evaluation and molecular modelling studies of 1,3,7,8-tetrasubstituted xanthenes as potent and selective A2A AR ligands with in vivo efficacy against animal model of Parkinson's disease
 Bioorganic Chemistry v. 87, 2019: p. 601-612
 DOI: 10.1016/j.bioorg.2019.03.032

Keyword: Adenosine receptor; Docking studies; Parkinson's disease; Xanthine

No. 409

Saraiva, Mauro M.S.; Moreira Filho, Alexandre L.B.; Vasconcelos, Priscylla C.; Nascimento, Pavlos V.; Azevedo, Paulo Sergio; Freitas Neto, Oliveira C.; Givisiez, Patrícia E.N.; Gebreyes, Wondwossen A.; Oliveira, Celso J.B.

Chemical treatment of poultry litter affects the conjugation of plasmid-mediated extended-spectrum beta-lactamase resistance genes in *E. coli*
Journal of Applied Poultry Research v. , 2019 : p.

DOI: 10.1016/j.japr.2019.10.006

Keyword: poultry; cane bagasse; mobile ESBL genes; plasmid transfer; wood shavings

No. 411

Kovács, L.; Kézér, F.L.; Póti, P.; Jurkovich, V.; Szenci, O.; Nagy, K.

Short communication: Heart rate variability, step, and rumination behavior of dairy cows milked in a rotary milking system

Journal of Dairy Science v. 102, 2019: p. 5525-5529

DOI: 10.3168/jds.2018-15842

Keyword: dairy cow; heart rate variability; rotary milking parlor; rumination behavior; step behavior

No. 413

Mourya, Devendra T.; Yadav, Pragma D.; Nyayanit, Dimpal A.; Majumdar, Triparna D.; Jain, Shilpi; Sarkale, Prasad; Shete, Anita

Characterization of a strain of quaranfil virus isolated from soft ticks in India. Is quaranfil virus an unrecognized cause of disease in human and animals?"

Heliyon v. 5, 2019: p. e01368

DOI: 10.1016/j.heliyon.2019.e01368

Keyword: Virology; Bioinformatics

No. 415

de Castro Ferreira Lima, Mayra; Bornhousen Cardoso de Araújo, Juliana; Paes, Antonio Carlos; Gianfrancesco Filippi, Mauricio; Cruz-Aleixo, Amanda Sarita; Kiomi Takahira, Regina; Gomes Lourenço, Maria Lucia

Conventional and Holter Electrocardiographic Assessment of Dogs Infected Naturally With Acute Canine Monocytic Ehrlichiosis

Topics in Companion Animal Medicine v. 35, 2019: p. 31-37

DOI: 10.1053/j.tcam.2019.03.005

Keyword: dogs; heart rate variability; autonomic tonus; myocarditis

No. 410

Perry, George A.; Walker, Julie A.; Rich, Jerica J.J.; Northrop, Emmalee J.; Perkins, Stephanie D.; Beck, Erin E.; Sandbulte, Merlyn D.; Mokry, Fabiana B.

Influence of Sexcel™ (gender ablation technology) gender-ablated semen in fixed-time artificial insemination of beef cows and heifers
Theriogenology v. , 2019: p.

DOI: 10.1016/j.theriogenology.2019.11.030

Keyword: Conception rates; Fixed-time AI; Gender-ablated semen

No. 412

Bradford, H.L.; Masuda, Y.; VanRaden, P.M.; Legarra, A.; Misztal, I.

Modeling missing pedigree in single-step genomic BLUP

Journal of Dairy Science v. 102, 2019: p. 2336-2346

DOI: 10.3168/jds.2018-15434

Keyword: genetic group; metafounder; single-step genomic BLUP (ssGBLUP); unknown parent group

No. 414

dos S. Silva, A.P.; Zotti, C.A.; Carvalho, R.F.; Corte, R.R.; Cònsolo, N.R.B.; da L. e Silva, S.; Leme, P.R.

Effect of replacing antibiotics with functional oils following an abrupt transition to high-concentrate diets on performance and carcass traits of Nelore cattle

Animal Feed Science and Technology v. 247, 2019: p. 53-62

DOI: 10.1016/j.anifeedsci.2018.10.015

Keyword: Meat quality; Abrupt transition; Fatty acid profile; Rumen additives; Rumen papillae

No. 416

Francisco, Alexandra E.; Janíček, Martin; Dentinho, Teresa; Portugal, Ana P.V.; Almeida, João M.; Alves, Susana P.; Fialho, Letícia; Jerónimo, Eliana; Bessa, Rui J.B.; Santos-Silva, José

Effects of alfalfa particle size and starch content in diets on feeding behaviour, intake, rumen parameters, animal performance and meat quality of growing lambs

Meat Science v. 161, 2020: p. 107964

DOI: 10.1016/j.meatsci.2019.107964

Keyword: Rumen; Lambs; Meat quality; Fatty acids; Agro-industrial by-products; Forage particle size

No. 417

Pinheiro, Luane Lopes; de Lima, Ana Rita; Martins, Danielli Martinelli; de Oliveira, Edivaldo Herculano C.; Souza, Michel Platini C.; de Carvalho Miranda, Carla Maria Figueiredo; Baleeiro Beltrão-Braga, Patrícia Cristina; Russo, Fabiele Baldino; Pignatari
 Mesenchymal stem cells in dogs with demyelinating leukoencephalitis as an experimental model of multiple sclerosis
 Heliyon v. 5, 2019 : p. e01857
 DOI: 10.1016/j.heliyon.2019.e01857

Keyword: Neuroscience; Cell biology; Canine distemper; Demyelination; Mesenchymal stem cells; Multiple sclerosis

No. 418

Santana, Miguel Henrique de Almeida; Polizel, Guilherme Henrique Gebim; Grigoletto, Lais; Fernandes, Arícia Christofaro; Bonin, Marina de Nadai; Gomes, Rodrigo da Costa; Carvalho, Minos Esperândio; Silva, Saulo da Luz e; Leme, Paulo Roberto; Junior, Paulo
 The genetic and genomic effects of Nellore lineages on feed efficiency, intake and performance
 Livestock Science v. 228, 2019: p. 104-108
 DOI: 10.1016/j.livsci.2019.08.003

Keyword: Selection; Residual feed intake; Founders; Genetic value; Genomic

No. 419

Jabeen, Rida; Ahmed, Rashid; Sajjad, Muhammad; Rashid, H.M. Kashif; Khan, Abid
 Circular strongly partially-balanced repeated measurement designs in periods of two different sizes using method of cyclic shifts (Rule II)
 Journal of King Saud University - Science v. 31, 2019: p. 519-524
 DOI: 10.1016/j.jksus.2019.02.002

Keyword: Balanced repeated measurement designs; Circular strongly partially-balanced repeated measurement designs; Repeated measurement designs; Strongly balanced repeated measurement designs

No. 420

Abreu, L.R.A.; Martins, P.G.M.A.; Ribeiro, V.M.P.; Gouveia, G.C.; Moraes, G.F.
 Genetic association between residual feed intake and carcass traits in a herd of Nellore beef cattle
 Livestock Science v. 225, 2019: p. 53-61
 DOI: 10.1016/j.livsci.2019.04.020

Keyword: Ultrasound; Meat quality; Feed efficiency; Bos indicus; Genetic trend

No. 421

Mohammadi, Y.; Mokhtari, M.S.; Saghi, D.A.; Shahdadi, A.R.
 Modeling the growth curve in Kordi sheep: The comparison of non-linear models and estimation of genetic parameters for the growth curve traits
 Small Ruminant Research v. 177, 2019: p. 117-123
 DOI: 10.1016/j.smallrumres.2019.06.012

Keyword: Sheep; Bayesian approach; Growth trajectory; Non-linear model fitting

No. 422

Otto, Pamela I.; Guimarães, Simone E.F.; Verardo, Lucas L.; Azevedo, Ana Luísa S.; Vandenplas, Jeremie; Sevillano, Claudia A.; Marques, Daniele B.D.; Pires, Maria de Fatima A.; de Freitas, Célio; Verneque, Rui S.; Martins, Marta Fonseca; Panetto, João Clá
 Genome-wide association studies for heat stress response in Bos taurus × Bos indicus crossbred cattle
 Journal of Dairy Science v. 102, 2019: p. 8148-8158
 DOI: 10.3168/jds.2018-15305

Keyword: crossbred cattle; gene network; heat stress; post-GWAS analyses

No. 423

Fragomeni, B.; Masuda, Y.; Bradford, H.L.; Lourenco, D.A.L.; Misztal, I.
 International bull evaluations by genomic BLUP with a prediction population
 Journal of Dairy Science v. 102, 2019: p. 2330-2335
 DOI: 10.3168/jds.2018-15554

Keyword: multiple-country evaluation; single nucleotide polymorphism effect; single nucleotide polymorphism multiple across-country evaluation; single-step approach

No. 424

Xi, Yu; Shuling, Niu; Kunyuan, Tie; Qiuyang, Zhang; Hewen, Deng; ChenCheng, Gao; Tianhe, Yu; Liancheng, Lei; Xin, Feng
 Characteristics of the intestinal flora of specific pathogen free chickens with age
 Microbial Pathogenesis v. 132, 2019: p. 325-334
 DOI: 10.1016/j.micpath.2019.05.014

Keyword: 16S rRNA sequencing; Cecal microflora; Microbial diversity; SPF chickens

No. 425

Pulido, Miguel A.; Estévez-Moreno, Laura X.; Villarroel, Morris; Mariezcurrena-Berasain, María A.; Miranda-De la Lama, Genaro C. Transporters knowledge toward preslaughter logistic chain and occupational risks in Mexico: An integrative view with implications on sheep welfare
Journal of Veterinary Behavior v. 33 , 2019 : p. 114-120
DOI: 10.1016/j.jveb.2019.07.001

Keyword: logistic chain; Mexico; occupational risks; one-welfare; sheep transporters'

No. 427

Hong, Chih-Kai; Yeh, Ming-Long; Chang, Chih-Hsun; Chiang, Florence L.; Jou, I-Ming; Wang, Ping-Hui; Su, Wei-Ren Comparison of changes in shoulder functions between biceps tenotomy and tenodesis in an animal model
Asia-Pacific Journal of Sports Medicine, Arthroscopy, Rehabilitation and Technology v. 15, 2019: p. 17-22
DOI: 10.1016/j.asmart.2018.11.001

Keyword: Functional outcome; Asymmetric index; Gait analysis; Long head of biceps tendon; Tenodesis; Tenotomy

No. 429

Fankem, Gaëtan Olivier; Fokam Tagne, Michel Archange; Noubissi, Paul Aimé; Foyet Fondjo, Angèle; Kamtchouing, Idrice; Ngwewondo, Adela; Wambe, Henri; Ngakou Mukam, Joseph; Kamgang, René Antioxidant activity of dichloromethane fraction of *Dichrocephala integrifolia* in *Salmonella typhi*-infected rats
Journal of Integrative Medicine v. 17, 2019: p. 438-445
DOI: 10.1016/j.joim.2019.09.005

Keyword: Hematology; Antioxidant stress; Typhoid fever

No. 431

Kanaji, Yu; Gerrodette, Tim Estimating abundance of Risso's dolphins using a hierarchical Bayesian habitat model: A framework for monitoring stocks of animals inhabiting a dynamic ocean environment
Deep Sea Research Part II: Topical Studies in Oceanography v. , 2019: p. 104699
DOI: 10.1016/j.dsr2.2019.104699

Keyword: Delphinids; Distance sampling; Hierarchical modelling; Kuroshio; Species distribution model (SDM); Western North Pacific

No. 426

Park, Mijeong; Mazalo, Jessica; Di Girolamo, Nick Insulin-like growth factor binding protein-7: A marker of conjunctivalization in an animal model of limbal stem cell deficiency
The Ocular Surface v. 17, 2019: p. 447-457
DOI: 10.1016/j.jtos.2019.05.005

Keyword: Conjunctivalization; Cornea; Epithelium; IGFBP-7; Impression cytology; Limbal stem cell deficiency; Limbal stem cells; Pterygium

No. 428

Castro, M.M.D.; Silva, A.L.; Costa e Silva, L.F.; Rotta, P.P.; Engle, T.E.; Marcondes, M.I. Determination of macromineral requirements for preweaned dairy calves in tropical conditions
Journal of Dairy Science v. 102, 2019: p. 2973-2984
DOI: 10.3168/jds.2018-15166

Keyword: growth; maintenance; mineral; retention coefficient

No. 430

Lin, Yung-Shuen; Lin, Yu-Fen; Chen, Kao Chin; Yang, Yen Kuang; Hsiao, Ya-Hsin Collapsin response mediator protein 5 (CRMP5) causes social deficits and accelerates memory loss in an animal model of Alzheimer's disease
Neuropharmacology v. 157, 2019: p. 107673
DOI: 10.1016/j.neuropharm.2019.107673

Keyword: Alzheimer's disease; 3xTg-AD mice; CRMP5; Memory impairment; social deficits

No. 432

Vasques, Isabela C.F.; Souza, André A.; Morais, Everton G.; Benevenuto, Pedro A.N.; Silva, Lucas de C.M. da; Homem, Bruno G.C.; Casagrande, Daniel R.; Silva, Bruno M. Improved management increases carrying capacity of Brazilian pastures
Agriculture, Ecosystems & Environment v. 282, 2019: p. 30-39
DOI: 10.1016/j.agee.2019.05.017

Keyword: Hydraulic conductivity; Porosity; S index; Water retention

No. 433

Soares de Carvalho, Júlia Gleyci; Tonizza de Carvalho, Nelcio Antonio; Souza, Diego Cavalcante de; Martins Júnior, Benedicto; Macedo, Gustavo Guerino; Vieira, Lais Mendes; Sales, José Nelio de Sousa; Ghuman, Sarvpreet Singh; D'Occhio, Michael John; Baruse Administration of PGF2 α during the periovulatory period increased fertilization rate in superovulated buffaloes
Theriogenology v. , 2019 : p.
DOI: 10.1016/j.theriogenology.2019.11.010

Keyword: Superovulation; Buffalo; Embryos; Prostaglandin

No. 435

Jacquier, V.; Nelson, A.; Jilali, M.; Rhayat, L.; Brinch, K.S.; Devillard, E. Bacillus subtilis 29784 induces a shift in broiler gut microbiome toward butyrate-producing bacteria and improves intestinal histomorphology and animal performance
Poultry Science v. 98, 2019: p. 2548-2554
DOI: 10.3382/ps/pey602

Keyword: broiler; butyrate; gut health; microbiota

No. 437

Lima Montelli, Natália Ludmila Lins; Almeida, Amélia Katiane de; Ribeiro, Carolina Resende de Freitas; Grobe, Morgana Dayane; Abrantes, Melina Aparecida Felipe; Lemos, Guilherme Silva; Furusho Garcia, Iraides Ferreira; Pereira, Idalmo Garcia Performance, feeding behavior and digestibility of nutrients in lambs with divergent efficiency traits
Small Ruminant Research v. 180, 2019: p. 50-56
DOI: 10.1016/j.smallrumres.2019.07.016

Keyword: Performance; Nutrients; Feed; Rumination

No. 439

Rahman, Syed Obaidur; Panda, Bibhu Prasad; Parvez, Suhel; Kaundal, Madhu; Hussain, Salman; Akhtar, Mohd.; Najmi, Abul Kalam Neuroprotective role of astaxanthin in hippocampal insulin resistance induced by A β peptides in animal model of Alzheimer's disease
Biomedicine & Pharmacotherapy v. 110, 2019: p. 47-58
DOI: 10.1016/j.biopha.2018.11.043

Keyword: Alzheimer's disease; Astaxanthin; A β (1-42) peptides; Insulin receptor subunit-1; Neuronal insulin resistance; Type-3 diabetes

No. 434

Ahmed, Ahmed; Yousif, Hayder; Kays, Roland; He, Zhihai Semantic region of interest and species classification in the deep neural network feature domain
Ecological Informatics v. 52, 2019: p. 57-68
DOI: 10.1016/j.ecoinf.2019.05.006

Keyword: Animal species classification; Deep neural networks; Graph cut; Semantic regions

No. 436

Carvalho, Thatijanne S.G.; Saad, Carlos E.P.; Alvarenga, Renata R.; Oliveira, Erika A.; Carvalho, Mariana C.S.; Ramos, Luiz G.S.; Ferreira, Livia G.; Gonçalves, Tarcísio M.; Costa, Diego V.; Zangeronimo, Márcio G. Inclusion of Madagascar cockroach (Gromphadorhina portentosa) meal in the diet of cockatiels (Nymphicus hollandicus) in captivity: Influences on offspring development
Research in Veterinary Science v. 126, 2019: p. 89-93
DOI: 10.1016/j.rvsc.2019.08.016

Keyword: Nutrition; Chicks; Cockatoo; Growth curve; Psittacid

No. 438

Kovács, L.; Kézér, F.L.; Póti, P.; Boros, N.; Nagy, K. Short communication: Upper critical temperature-humidity index for dairy calves based on physiological stress parameters
Journal of Dairy Science v. , 2019: p.
DOI: 10.3168/jds.2019-17459

Keyword: heat stress; dairy calves; upper critical temperature-humidity index

No. 440

Porcier, Stéphanie M.; Berruyer, Camille; Pasquali, Stéphane; Ikram, Salima; Berthet, Didier; Tafforeau, Paul Wild crocodiles hunted to make mummies in Roman Egypt: Evidence from synchrotron imaging
Journal of Archaeological Science v. 110, 2019: p. 105009
DOI: 10.1016/j.jas.2019.105009

Keyword: Environment; Ancient Egypt; Animal mummy; Crocodile; Hunting; Roman period; Synchrotron tomography

No. 441

Araujo, R S; Oliveira, A C; Sousa, F C B; Dourado, L R B; Guimarães, S E F; Silva, W; Biagiotti, D; Bayão, G F V; Sousa, K R S
Effects of cottonseed oil and ferrous sulfate on the performance and expression of antioxidant enzymes in broilers
Poultry Science v. 98 , 2019 : p. 3860-3869
DOI: 10.3382/ps/pez103
Keyword: gossypol; intestine; nutrigenomic; ROS; weight gain

No. 442

Butterworth, K.T.
Evolution of the Supermodel: Progress in Modelling Radiotherapy Response in Mice
Clinical Oncology v. 31, 2019: p. 272-282
DOI: 10.1016/j.clon.2019.02.008
Keyword: Mouse models; preclinical models; radiobiology; small animal radiotherapy

No. 443

Campos, Caio A.; Lima, Bruno S.; Trindade, Gabriela G.G.; Souza, Eloísa P.B.S.S.; Mota, Débora S.A.; Heimfarth, Luana; Quintans, Jullyana S.S.; Quintans-Júnior, Lucindo J.; Sussuchi, Eliana M.; Sarmento, Victor H.V.; Carvalho, Flávio M.S.; Marreto, Ricard
Anti-hyperalgesic and anti-inflammatory effects of citral with β -cyclodextrin and hydroxypropyl- β -cyclodextrin inclusion complexes in animal models
Life Sciences v. 229, 2019: p. 139-148
DOI: 10.1016/j.lfs.2019.05.026
Keyword: Anti-inflammatory; Anti-hyperalgesic; Citral; Cyclodextrins; Inclusion complexes

No. 444

Wang, Jie; Coffin, Scott; Sun, Chengliang; Schlenk, Daniel; Gan, Jay
Negligible effects of microplastics on animal fitness and HOC bioaccumulation in earthworm *Eisenia fetida* in soil
Environmental Pollution v. 249, 2019: p. 776-784
DOI: 10.1016/j.envpol.2019.03.102
Keyword: Bioaccumulation; Polyethylene; Oxidative damage; Polystyrene

No. 445

Passetti, Rodrigo Augusto Cortêz; Resconi, Virginia Celia; Çakmakçı, Cihan; del Mar Campo, María; Kirinus, Jackeline Karsten; Passetti, Ludmila Couto Gomes; Guerrero, Ana; do Prado, Ivanor Nunes; Sañudo, Carlos
Number of consumers and days of display necessary for the assessment of meat colour acceptability
Food Research International v. 121, 2019: p. 387-393
DOI: 10.1016/j.foodres.2019.03.036
Keyword: Lambs; Digital images; Freshness; Redness; Sensory; Shelf-life

No. 446

da Cunha, Michele Milano; Capote-Bonato, Francieli; Capoci, Isis Regina Grenier; Bonato, Denis Vinicius; Ghizzi, Lucas Ghedin; Paiva-Lima, Patrícia; Baeza, Lilian Cristiane; Svidzinski, Terezinha Inez Estivalet
Epidemiological investigation and molecular typing of dermatophytosis caused by *Microsporum canis* in dogs and cats
Preventive Veterinary Medicine v. 167, 2019: p. 39-45
DOI: 10.1016/j.prevetmed.2019.03.019
Keyword: Epidemiology; Zoonosis; Dermatophytes; Microbiological diagnosis; Molecular typing

No. 447

Eljarah, Abdulhakeem; Abdullah, Mohammad; Ababneh, Mohammed; Jawasreh, Khalil; Alnimr, Mufeed; El-Bahr, Sabry
CIDR estrous synchronization in the Arabian Oryx (*Oryx leucoryx*)
Theriogenology v. 132, 2019: p. 113-117
DOI: 10.1016/j.theriogenology.2019.04.017
Keyword: Serum; Estrus; Reproduction; Progesterone; Ovulation

No. 448

Bethancourt-Garcia, Javier Alexander; Vaz, Ricardo Zambarda; Vaz, Fabiano Nunes; Silva, Willian Barros; Pascoal, Leonir Luiz; Mendonça, Fábio Souza; Vara, Carina Crizel da; Nuñez, Amoracyr José Costa; Restle, João
Pre-slaughter factors affecting the incidence of severe bruising in cattle carcasses
Livestock Science v. 222, 2019: p. 41-48
DOI: 10.1016/j.livsci.2019.02.009
Keyword: Animal welfare; Handling; Antemortem; Brazil; Bruises; Transportation

No. 449

Luzardo, Santiago; de Souza, Guillermo; Quintans, Graciela; Banchero, Georgget

Refeeding ewe's ad libitum after energy restriction during mid-pregnancy does not affect lamb feed conversion ratio, animal performance and meat quality

Small Ruminant Research v. 180, 2019 : p. 57-62

DOI: 10.1016/j.smallrumres.2019.09.020

Keyword: Growth; Meat quality; Dietary restriction; Fetal programming; Lamb

No. 450

Jaskulski, Itiane Barcellos; Uecker, Julia; Bordini, Fernanda; Moura, Fernanda; Gonçalves, Taiciane; Chaves, Natalie Garcia; Camargo, Flávio; Grecco, Fabiane Borelli; Fiorentini, Ângela Maria; da Silva, Wladimir Padilha; Andreazza, Robson; Pieniz, Simone

In vivo action of *Lactococcus lactis* subsp. *lactis* isolate (R7) with probiotic potential in the stabilization of cancer cells in the colorectal epithelium

Process Biochemistry v. , 2019: p.

DOI: 10.1016/j.procbio.2019.12.008

Keyword: Lactic acid bacteria; Stress; Colorectal cancer; Hypercaloric diet

No. 451

Walden, Georgia; Noirot, Christelle; Nagelkerken, Ivan

A future 1.2 °C increase in ocean temperature alters the quality of mangrove habitats for marine plants and animals

Science of The Total Environment v. 690, 2019: p. 596-603

DOI: 10.1016/j.scitotenv.2019.07.029

Keyword: Climate change; Epibionts; Flattening; Homogenisation; Mangroves; Mesocosm; Ocean acidification; Ocean warming; Structural complexity

No. 452

Cao, Lele; Ma, Qianyun; Liang, Tieqiang; Sun, Guohou; Chi, Wenrui; Zhang, Cijian; Li, Jian; Wang, Lijuan

A semen cassia gum-based film with visual-olfactory function for indicating the freshness change of animal protein-rich food

International Journal of Biological Macromolecules v. 133, 2019: p. 243-252

DOI: 10.1016/j.ijbiomac.2019.04.045

Keyword: Ammonia response; Food freshness; pH-sensitive fibers; Semen cassiae gum; Visual-olfactory film

No. 453

Moulana, Mohadetheh

Immunophenotypic profile of leukocytes in hyperandrogenemic female rat an animal model of polycystic ovary syndrome

Life Sciences v. 220, 2019: p. 44-49

DOI: 10.1016/j.lfs.2019.01.048

Keyword: CD4CD28 T cells; Mast cells; Polycystic ovary syndrome; T regulatory (Treg) cells; Th17 cells

No. 454

Soul, Washaya; Mupangwa, John; Muchenje, Voster; Mpendulo, Thando Conference

Biochemical indices and haematological parameters of goats fed lablab purpureus and vigna unguiculata as supplements to a chloris gayana basal diet

Veterinary and Animal Science v. 8, 2019: p. 100073

DOI: 10.1016/j.vas.2019.100073

Keyword: Growth; Goats; Forage legumes; Haematology; Serum biochemistry

No. 455

Gallo, S.B.; Brochado, T.; Brochine, L.; Passareli, D.; Costa, S.F.; Bueno, I.C. da S.; Balieiro, J.C. de C.; Franzolin Neto, R.; Tedeschi, L.O.

Effect of biosurfactant added in two different oil source diets on lamb performance and ruminal and blood parameters

Livestock Science v. 226, 2019: p. 66-72

DOI: 10.1016/j.livsci.2019.06.006

Keyword: Lambs; Biosurfactant; Blood hematology and chemistry; Oil; Rumen development and fermentation

No. 456

Wickhorst, J.-P.; Hassan, A.A.; Sammrá, O.; Alssahen, M.; Lämmle, C.; Prenger-Berninghoff, E.; Naggert, M.; Timke, M.; Rau, J.; Abdulmawjood, A.

First report on the isolation of *Trueperella abortus* from companion animals

Research in Veterinary Science v. 125, 2019: p. 465-467

DOI: 10.1016/j.rvsc.2017.11.003

Keyword: Cat; Dog; 16S rDNA; MALDI-TOF MS

No. 457

Brown, Katrina M.; Flemsæter, Frode; Rønningen, Katrina
 More-than-human geographies of property: Moving towards spatial justice with response-ability
 Geoforum v. 99, 2019 : p. 54-62
 DOI: 10.1016/j.geoforum.2018.12.012
Keyword: Animals; Justice; Legal geography; Norway; Property; Space

No. 458

Wang, C; Zeng, Y T; Chen, X Y; Wu, Q Y; Yang, L Q; Xu, L; Zhang, Y; Qazi, Izhar Hyder; Zhou, G B; Zeng, C J; Zuo, Z Z; Song, T Z; Zhu, Q; Zhang, M
 Improvac induces immunocastration by affecting testosterone levels and disrupting spermatogenesis in male broiler chickens
 Poultry Science v. 98, 2019: p. 6034-6045
 DOI: 10.3382/ps/pez228
Keyword: broiler chicken; immunocastration; improvac; spermatogenesis; testosterone

No. 459

Vaerst, Mette; Smolders, Gidi; Wahome, Raphael; Odhong, Charles; Kiggundu, Muhammad; Kabi, Fred; Nalubwama, Sylvia; Halberg, Niels
 Options and challenges for organic milk production in East African smallholder farms under certified organic crop production
 Livestock Science v. 220, 2019: p. 230-240
 DOI: 10.1016/j.livsci.2019.01.006
Keyword: Crop-animal integration; Dairy cattle; East Africa; Organic; Smallholder

No. 460

Pravalika, Kanta; Sarmah, Deepaneeta; Kaur, Harpreet; Vats, Kanchan; Saraf, Jackson; Wanve, Madhuri; Kalia, Kiran; Borah, Anupom; Yavagal, Dileep R.; Dave, Kunjan R.; Bhattacharya, Pallab
 Trigonelline therapy confers neuroprotection by reduced glutathione mediated myeloperoxidase expression in animal model of ischemic stroke
 Life Sciences v. 216, 2019: p. 49-58
 DOI: 10.1016/j.lfs.2018.11.014
Keyword: Ischemic stroke; Myeloperoxidase; Neuroprotection; Trigonelline

No. 461

De Rosa, G.; Di Palo, R.; Serafini, R.; Grasso, F.; Bragaglio, A.; Braghieri, A.; Napolitano, F.
 Different assessment systems fail to agree on the evaluation of dairy cattle welfare at farm level
 Livestock Science v. 229, 2019: p. 145-149
 DOI: 10.1016/j.livsci.2019.09.024
Keyword: Animal welfare; Dairy cattle; Animal needs index; Lombardy extension service index; Welfare assessment protocol; Welfare quality®

No. 462

Cedilak, Matea; Banjanac, Mihailo; Belamarić, Daniela; Paravić Radičević, Andrea; Faraho, Ivan; Ilić, Krunoslav; Čužić, Snježana; Glojtnarić, Ines; Eraković Haber, Vesna; Bosnar, Martina
 Precision-cut lung slices from bleomycin treated animals as a model for testing potential therapies for idiopathic pulmonary fibrosis
 Pulmonary Pharmacology & Therapeutics v. 55, 2019: p. 75-83
 DOI: 10.1016/j.pupt.2019.02.005
Keyword: model; Bleomycin; Compounds testing; Idiopathic pulmonary fibrosis; Precision-cut lung slices

No. 463

Danzl, Katarina; Messner, Barbara; Doppler, Christian; Nebert, Clemens; Abfalterer, Anna; Sakic, Adel; Temml, Veronika; Heinz, Katharina; Streitwieser, Robert; Edelmann, Thomas; Mairhofer, Mario; Grimm, Michael; Laufer, Günther; Zierer, Andreas; Stuppner, Early inhibition of endothelial retinoid uptake upon myocardial infarction restores cardiac function and prevents cell, tissue, and animal death
 Journal of Molecular and Cellular Cardiology v. 126, 2019: p. 105-117
 DOI: 10.1016/j.yjmcc.2018.11.012
Keyword: 5'-methoxyleoligin; ATRA; Cardioprotection; CYP26B1; Leoligin; Retinoids; Retinol; STRA6

No. 464

Zambetti, Peter R.; Schuessler, Bryan P.; Kim, Jeansok J.
 Sex Differences in Foraging Rats to Naturalistic Aerial Predator Stimuli
 iScience v. 16, 2019: p. 442-452
 DOI: 10.1016/j.isci.2019.06.011
Keyword: Animals; Biological Sciences; Ethology

No. 465

Slanzon, G.S.; Toledo, A.F.; Silva, A.P.; Coelho, M.G.; da Silva, M.D.; Cezar, A.M.; Bittar, C.M.M.

Red propolis as an additive for preweaned dairy calves: Effect on growth performance, health, and selected blood parameters

Journal of Dairy Science v. 102, 2019 : p. 8952-8962

DOI: 10.3168/jds.2019-16646

Keyword: dairy calf; diarrhea; health; propolis

No. 466

Tillmann, K.; Windschnurer, I.; Gamper, J.; Hinney, B.; Rülcke, T.; Podesser, B.K.; Troxler, J.; Plasenzotti, R.

Welfare assessment in rabbits raised for meat and laboratory purposes in enclosures with two floor types: Perforated plastic with holes versus slats

Research in Veterinary Science v. 122, 2019: p. 200-209

DOI: 10.1016/j.rvsc.2018.11.016

Keyword: Animal welfare; Floor design; Growing rabbits; Legal regulations; Rabbit husbandry

No. 467

Erickson, Mary G.; Erasmus, Marisa A.; Karcher, Darrin M.; Knobloch, Neil A.; Karcher, Elizabeth L.

Poultry in the classroom: effectiveness of an online poultry-science-based education program for high school STEM instruction

Poultry Science v. 98, 2019: p. 6593-6601

DOI: 10.3382/ps/pez491

Keyword: education; poultry; interest; online learning; public awareness

No. 468

Collins, Courtney; Quirke, Thomas; McKeown, Sean; Flannery, Kevin; Kennedy, Declan; O'Riordan, Ruth

Zoological education: Can it change behaviour?

Applied Animal Behaviour Science v. 220, 2019: p. 104857

DOI: 10.1016/j.applanim.2019.104857

Keyword: Environmental education; Animal-visitor interactions; Captive animals; Zoo visitors

No. 469

Reis, João H.; Gebert, Roger R.; Barreta, Mauricio; Boiago, Marcel M.; Souza, Carine F.; Baldissera, Matheus D.; Santos, Ingrid D.; Wagner, Roger; Laporta, Luciane V.; Stefani, Lenita M.; Da Silva, Aleksandro S.

Addition of grape pomace flour in the diet on laying hens in heat stress: Impacts on health and performance as well as the fatty acid profile and total antioxidant capacity in the egg

Journal of Thermal Biology v. 80, 2019: p. 141-149

DOI: 10.1016/j.jtherbio.2019.01.003

Keyword: Antioxidant; Animal production; Egg quality; Heat stress; Resveratrol

No. 470

Masjedani Jezi, Faramarz; Razavi, Shabnam; Mirnejad, Reza; Zamani, Khosrow

Immunogenic and protective antigens of Brucella as vaccine candidates Comparative Immunology, Microbiology and Infectious Diseases v. 65, 2019: p. 29-36

DOI: 10.1016/j.cimid.2019.03.015

Keyword: Brucellosis; Immunity; Vaccine candidates

No. 471

Chebaibi, Salima; Leriche Grandchamp, Mathilde; Burgé, Grégoire; Clément, Tiphaine; Allais, Florent; Laziri, Fatiha

Improvement of protein content and decrease of anti-nutritional factors in olive cake by solid-state fermentation: A way to valorize this industrial by-product in animal feed

Journal of Bioscience and Bioengineering v. 128, 2019: p. 384-390

DOI: 10.1016/j.jbiosc.2019.03.010

Keyword: Filamentous fungi; Olive cake; Phenolic compounds; Protein content; Solid-state fermentation

No. 472

Mazon, Madeline R.; Antonelo, Daniel S.; Gómez, Juan F.M.; Nubiato, Keni E.Z.; Balage, Juliana M.; Silva, Henrique B.; Tapp, William N.; Leme, Paulo R.; Goulart, Rodrigo S.; Fukumasu, Heidge; Johnson, Bradley J.; Pesce, Domingos M.C.; Silva, Saulo L.

Effects of combining immunocastration and β -adrenergic agonists on the meat quality of Nelore cattle

Livestock Science v. 226, 2019: p. 13-20

DOI: 10.1016/j.livsci.2019.05.015

Keyword: Gender; Tenderness; Aging; Proteolytic enzymes; Ractopamine; Zilpaterol

No. 473

Dan, Michael J.; Oliver, Rema A.; Crowley, James D.; Lovric, Vedran; Parr, William C.H.; Broe, David; Cross, Mervyn; Walsh, William R.
 The effect of surgery on patellar tendinopathy: Novel use of MRI questions the exploitability of the rat collagenase model to humans
 The Knee v. 26, 2019 : p. 1182-1191
 DOI: 10.1016/j.knee.2019.10.017
Keyword: Rat; Animal model; Collagenase; Patellar tendinopathy; Surgery

No. 474

Boltz, T.P.; Boney, J.W.; Shen, C.; Jaczynski, J.; Moritz, J.S.
 The Effect of Standard Pelleting and More Thermally Aggressive Pelleting Utilizing a Hygieniser on Feed Manufacture and Reduction of Enterococcus faecium, a Salmonella Surrogate
 Journal of Applied Poultry Research v. 28, 2019: p. 1226-1233
 DOI: 10.3382/japr/pfz088
Keyword: feed; bacterial reduction; hygieniser; pelleting; Salmonella

No. 475

de Carvalho, Inês R.; Nunes, Telmo; de Sousa, Liliana; Almeida, Virgílio
 The Combined Use of Salivary Cortisol Concentrations, Heart Rate and Respiratory Rate for the Welfare Assessment of Dogs Involved in AAI Programs
 Journal of Veterinary Behavior v. , 2019: p.
 DOI: 10.1016/j.jveb.2019.10.011
Keyword: welfare; dogs; animal assisted interventions; cortisol

No. 476

Mataragka, Antonia; Sotirakoglou, Kyriaki; Gazouli, Maria; Triantaphyllopoulos, Kostas A.; Ikononopoulos, John
 Parturition affects test-positivity in sheep with subclinical paratuberculosis; investigation following a preliminary analysis
 Journal of King Saud University - Science v. 31, 2019: p. 1399-1403
 DOI: 10.1016/j.jksus.2019.02.009
Keyword: ELISA; Paratuberculosis; Parturition; Real time PCR; Shedding of MAP

No. 477

Tănăsescu, Mihnea
 Restorative ecological practice: The case of the European Bison in the Southern Carpathians, Romania
 Geoforum v. 105, 2019: p. 99-108
 DOI: 10.1016/j.geoforum.2019.05.013
Keyword: Animal geographies; Human-animal relations; Conservation social science; Critical geography; Ecological restoration; Rewilding

No. 478

Jabeen, Rida; Ahmed, Rashid; Kashif Rasheed, H.M.; Shehzad, Farrukh
 Construction of circular strongly partially-balanced repeated measurements designs
 Journal of King Saud University - Science v. 31, 2019: p. 345-351
 DOI: 10.1016/j.jksus.2018.03.014
Keyword: Circular strongly balanced repeated measurements designs; Circular strongly partially-balanced repeated measurements designs; Method of cyclic shifts; Repeated measurements designs; Residual effects

No. 479

Matsumoto, Hirokazu; Kawaguchi, Fuki; Itoh, Shotaro; Yotsu, Suzuna; Fukuda, Kento; Oyama, Kenji; Mannen, Hideyuki; Sasazaki, Shinji
 The SNPs in bovine MMP14 promoter influence on fat-related traits
 Meta Gene v. 20, 2019: p. 100558
 DOI: 10.1016/j.mgene.2019.100558
Keyword: SNP; Promoter; Fatty acid composition; Subcutaneous fat thickness

No. 480

Jung, Ami; Jung, Heejun; Choi, Yeonju; Colee, James; Wickens, Carissa; Lee, Jang-Won; Yoon, Minjung
 Frequent riding sessions daily elevate stress, blood lactic acid, and heart rate of thoroughbred riding horses
 Journal of Veterinary Behavior v. 32, 2019: p. 1-5
 DOI: 10.1016/j.jveb.2019.03.012
Keyword: animal welfare; heart rate; horses; lactate; riding frequency; stress

No. 481

Müller, Bruno Roberto; Soriano, Vanessa Souza; Bellio, Jennifer Cristina Biscarra; Molento, Carla Forte Maiolino
 Facial expression of pain in Nellore and crossbred beef cattle
 Journal of Veterinary Behavior v. 34 , 2019 : p. 60-65
 DOI: 10.1016/j.jveb.2019.07.007

Keyword: animal behavior; animal welfare; facial action units (AUs); facial expression; hot iron branding; pain assessment

No. 482

Boney, J.W.; Patterson, P.H.; Solis, F.
 The effect of dietary inclusions of guanidinoacetic acid on D1-42 broiler performance and processing yields
 Journal of Applied Poultry Research v. , 2019: p.
 DOI: 10.1016/j.japr.2019.10.008

Keyword: all vegetable; breast yield; energy metabolism

No. 483

Qu, Yang-Hua; Jian, Lu-Yang; Ce, Liu; Ma, Yong; Xu, Chen-Chen; Gao, Yue-Feng; Machaty, Zoltan; Luo, Hai-Ling
 Identification of candidate genes in regulation of spermatogenesis in sheep testis following dietary vitamin E supplementation
 Animal Reproduction Science v. 205, 2019: p. 52-61
 DOI: 10.1016/j.anireprosci.2019.04.003

Keyword: Vitamin E; Male Hu lamb; RNA-seq; Spermatogenesis

No. 484

Chen, Hsin-Chien; Liang, Chang-Min; Wang, Chih-Hung; Huang, Ming-Yuan; Lin, Yuan-Yung; Shih, Cheng-Ping; Kuo, Chao-Yin; Lin, Yi-Chun; Chen, Hang-Kang
 Transplantation of human limbus-derived mesenchymal stromal cells via occipital approach improves hearing in animal auditory neuropathy
 International Journal of Pediatric Otorhinolaryngology v. 117, 2019: p. 67-72
 DOI: 10.1016/j.ijporl.2018.11.018

Keyword: Auditory neuropathy; Cochlea; Limbus; Mesenchymal stromal cell; Sensorineural hearing loss; Stem cell

No. 485

Chakrabarty, Ankush; Gregory, Justin M.; Moore, L. Merkle; Williams, Philip E.; Farmer, Ben; Cherrington, Alan D.; Lord, Peter; Shelton, Brian; Cohen, Don; Zisser, Howard C.; Doyle, Francis J.; Dassau, Eyal
 A new animal model of insulin-glucose dynamics in the intraperitoneal space enhances closed-loop control performance
 Journal of Process Control v. 76, 2019: p. 62-73
 DOI: 10.1016/j.jprocont.2019.01.002

Keyword: Alternative sites; Canine model; Intraperitoneal cavity; Predictive model; Proportional-integral-derivative (PID) control; Type 1 diabetes

No. 486

Zhang, Yuan; Tan, Yiqing; Dong, Cheng; Gao, Sai; Xu, Wenjian; Chen, Haisong
 Evaluating the scope of intramedullary invasion of malignant bone tumor by DCE-MRI quantitative parameters in an animal study
 Journal of Bone Oncology v. 19, 2019: p. 100269
 DOI: 10.1016/j.jbo.2019.100269

Keyword: Dynamic contrast enhancement magnetic resonance imaging (DCE-MRI); Intramedullary invasion; Micro-infiltration; VX2 tumor

No. 487

Barazandeh, Arsalan; Mohammadabadi, Mohammadreza; Ghaderi-Zefrehei, Mostafa; Rafeie, Farjad; Imumorin, Ikhide G.
 Whole genome comparative analysis of CpG islands in camelid and other mammalian genomes
 Mammalian Biology v. 98, 2019: p. 73-79
 DOI: 10.1016/j.mambio.2019.07.007

Keyword: Adaptation; Camelid genomes; CGIs; Detection algorithms

No. 488

Liu, Ling; Guo, Yongqing; Bai, Zhaohai; Cao, Yubo; Tu, Yan; Wang, Zongyong; Li, Yaoji; Wu, Zhiguo; Ma, Lin
 Reducing phosphorus excretion and loss potential by using a soluble supplement source for swine and poultry
 Journal of Cleaner Production v. 237, 2019: p. 117654
 DOI: 10.1016/j.jclepro.2019.117654

Keyword: Environmental pollution; Excretion; Leaching; Manure phosphorus fractions; Monogastric animals

No. 489

Donati, Kelly

'Herding is his favourite thing in the world': Convivial world-making on a multispecies farm

Journal of Rural Studies v. 66 , 2019 : p. 119-129

DOI: 10.1016/j.jrurstud.2018.12.008

Keyword: Agriculture; Animal-human relations; Care; Conviviality; Gastronomy; Multispecies ethnography

No. 490

Chen, Siyu; Xiang, Hai; Zhang, Hui; Zhu, Xu; Wang, Dan; Wang, Jikun; Yin, Tao; Liu, Langqing; Kong, Minghua; Li, Hua; Zhao, Xingbo

Rearing system causes changes of behavior, microbiome, and gene expression of chickens

Poultry Science v. 98, 2019: p. 3365-3376

DOI: 10.3382/ps/pez140

Keyword: chicken; behavior; gene expression; gut microbiome; rearing system

No. 491

Gamboa, Jonifel C.; Padiernos, Ryan Bismark C.; Uy, Mary Rose D.; Celestino, Elfren F.; Mingala, Claro N.

Comparative molecular characterization of Forkhead box protein 3 (FoxP3) gene of swamp-type (*Bubalus carabanensis*) and riverine-type (*Bubalus bubalis*) water buffaloes

Comparative Immunology, Microbiology and Infectious Diseases v. 64, 2019: p. 1-6

DOI: 10.1016/j.cimid.2019.01.022

Keyword: CD4+; Forkhead family; FoxP3; T regulatory cells; Water buffalo

No. 492

Sousa, D.O.; Velasquez, A.V.; Oliveira, C.A.; Souza, J.M.; Nadeau, E.; Silva, L.F.P.

Effect of sugarcane genotype and maturity stage at harvest on feed intake and ruminal parameters of growing steers

Animal Feed Science and Technology v. 256, 2019: p. 114258

DOI: 10.1016/j.anifeedsci.2019.114258

Keyword: Fibre digestibility; Intake; Ruminal bacteria; Ruminal kinetics; Sugarcane silage

No. 493

Tucker, Emily K.; Suski, Cory D.

Presence of conspecifics reduces between-individual variation and increases avoidance of multiple stressors in bluegill

Animal Behaviour v. 158, 2019: p. 15-24

DOI: 10.1016/j.anbehav.2019.10.002

Keyword: avoidance behaviour; carbon dioxide; personality; shoaling; sociability; temperature

No. 494

Chawla, Saurabh; Mahara, Kuna; Bathrachalam, Chandramohan

Successful Treatment of Postparturient pelvic prolapse in mouse (*mus musculus*) using a novel hydropropulsion technique

Journal of Exotic Pet Medicine v. 29, 2019: p. 79-82

DOI: 10.1053/j.jepm.2018.06.006

Keyword: mice; hydropropulsion; prolapse

No. 495

Horback, K.M.; Parsons, T.D.

Judgement bias testing in group-housed gestating sows

Behavioural Processes v. 159, 2019: p. 86-92

DOI: 10.1016/j.beproc.2018.12.021

Keyword: Operant conditioning; Swine; Animal welfare; Affective state; Sow

No. 496

Lambert, Spencer F.X.

Identifying strontium baselines and large game animal trade at Fremont sites through strontium isotope ($^{87}\text{Sr}/^{86}\text{Sr}$) analysis

Journal of Archaeological Science: Reports v. 27, 2019: p. 101936

DOI: 10.1016/j.jasrep.2019.101936

Keyword: Strontium isotopes; Trade; Fremont; Gaming pieces; Utah; Zooarchaeology

No. 497

Lans, Cheryl

Do recent research studies validate the medicinal plants used in British Columbia, Canada for pet diseases and wild animals taken into temporary care?

Journal of Ethnopharmacology v. 236, 2019 : p. 366-392

DOI: 10.1016/j.jep.2019.02.030

Keyword: Medicinal plants; Anxiety, asthma, heart problems, injuries; Arthritis; British Columbia; Cancer; Ethnoveterinary medicine; Pets; Tumours

No. 498

Basso, Lorena; Rizzo, Lucia; Marzano, Marinella; Intranuovo, Marianna; Fosso, Bruno; Pesole, Graziano; Piraino, Stefano; Stabili, Loredana
Jellyfish summer outbreaks as bacterial vectors and potential hazards for marine animals and humans health? The case of *Rhizostoma pulmo* (Scyphozoa, Cnidaria)

Science of The Total Environment v. 692, 2019: p. 305-318

DOI: 10.1016/j.scitotenv.2019.07.155

Keyword: BIOLOG; High-throughput sequencing; Metabolic profiling; Metagenomic analysis; Scyphomedusae; Taxonomic microbial diversity

No. 499

Hedell, Ronny; Andersson, Mats Gunnar; Faverjon, Céline; Marcillaud-Pitel, Christel; Leblond, Agnès; Mostad, Petter

Surveillance of animal diseases through implementation of a Bayesian spatio-temporal model: A simulation example with neurological syndromes in horses and West Nile Virus

Preventive Veterinary Medicine v. 162, 2019: p. 95-106

DOI: 10.1016/j.prevetmed.2018.11.010

Keyword: Bayesian model; Syndromic surveillance; Gibbs sampling; Hidden markov model; Spatio-temporal model; West Nile Virus

No. 500

Lauridsen, Charlotte

From oxidative stress to inflammation: redox balance and immune system

Poultry Science v. 98, 2019: p. 4240-4246

DOI: 10.3382/ps/pey407

Keyword: Poultry; Pigs; Fatty acids; Antioxidants; Gut

No. 501

Dongmo, Olivette Laure Matafack; Epoh, Nadine Joissy; Tadjoua, Herve Tchoumbou; Yousuf, Sammer; Telefo, Phelix Bruno; Tapondjou, Leon Azefack; Choudhary, M. Iqbal

Acute and sub-acute toxicity of the aqueous extract from the stem bark of *Tetrapleura tetrapleura* Taub. (Fabaceae) in mice and rats

Journal of Ethnopharmacology v. 236, 2019: p. 42-49

DOI: 10.1016/j.jep.2019.02.026

Keyword: Acute toxicity; Balb/c mice; Sub-acute toxicity; Taub.; Wistar rats

No. 502

de Moura Souza, Giancarlo; Coutinho, Marcelo Aranda da Silva; Ramos, Patricia Maloso; de Oliveira, Giuliana Micai; Lonergan, Steven Michael; Delgado, Eduardo Francisquine

Tough aged meat presents greater expression of calpastatin, which presents postmortem protein profile and tenderization related to Nellore steer temperament

Meat Science v. 156, 2019: p. 131-138

DOI: 10.1016/j.meatsci.2019.05.017

Keyword: Calpastatin peak; CAST; Fragmentation; Proteolysis

No. 503

Fortuoso, Bruno F.; Gebert, Roger R.; Griss, Luiz G.; Glombovisky, Patricia; Cazarotto, Chrystian J.; Rampazzo, Luana; Stefani, Lenita M.; Ferreira, Emanuel B.; da Silva, Aleksandro Schafer

Reduction of stool bacterial counts and prevention of diarrhea using an oral homeopathic product in newborn lambs

Microbial Pathogenesis v. 127, 2019: p. 347-351

DOI: 10.1016/j.micpath.2018.12.022

Keyword: Performance; Mortality; Lambs; Diarrhea; Homeopathic product; Microbial

No. 504

Arif, M.; Al-Sagheer, A.A.; Salem, A.Z.M.; El-Hack, M.E. Abd; Swelum, A.A.; Saeed, M.; Jamal, M.; Akhtar, M.

Influence of exogenous fibrolytic enzymes on milk production efficiency and nutrient utilization in early lactating buffaloes fed diets with two proportions of oat silage to concentrate ratios

Livestock Science v. 219, 2019: p. 29-34

DOI: 10.1016/j.livsci.2018.11.007

Keyword: Digestibility; Enzyme; Buffalo; Milk yield; Nitrogen balance

No. 505

Allen, M.S.; Sousa, D.O.; VandeHaar, M.J.

Equation to predict feed intake response by lactating cows to factors related to the filling effect of rations

Journal of Dairy Science v. 102, 2019 : p. 7961-7969

DOI: 10.3168/jds.2018-16166

Keyword: forage quality; ration formulation; rumen fill

No. 506

Appelt, Marciana Anita; da Silva, Aleksandro Schafer; Cazarotto, Chrystian Jassana; Machado, Gustavo; Rodrigues, Rafael Sachet; Norbury, Luke James; Baldissera, Matheus D.; Alba, Davi F.; Gris, Anderson; Mendes, Ricardo Evandro

Cholinesterase as an inflammatory marker of subclinical infection of dairy cows infected by *Neospora caninum* and risk factors for disease
Comparative Immunology, Microbiology and Infectious Diseases v. 66, 2019: p. 101330

DOI: 10.1016/j.cimid.2019.101330

Keyword: Pathogenesis; Seroprevalence; Inflammation; Infectious disease; Immunity; Bovines; Neosporosis

No. 507

Magalhães, Ana Fabrícia Braga; Schenkel, Flavio Schramm; Garcia, Diogo Anastácio; Gordo, Daniel Gustavo Mansan; Tonussi, Rafael Lara; Espigolan, Rafael; Silva, Rafael Medeiros de Oliveira; Braz, Camila Urbano; Fernandes Júnior, Gerardo Alves; Baldi, Ferna

Genomic selection for meat quality traits in Nelore cattle

Meat Science v. 148, 2019: p. 32-37

DOI: 10.1016/j.meatsci.2018.09.010

Keyword: Fat deposition; Genomics; Meat composition; Meat tenderness

No. 508

Fairlie-Clarke, Karen; Kaseja, Karolina; Sotomaior, Cristina; Brady, Nicola; Moore, Kirsty; Stear, Michael

Salivary IgA: A biomarker for resistance to *Teladorsagia circumcincta* and a new estimated breeding value

Veterinary Parasitology v. 269, 2019: p. 16-20

DOI: 10.1016/j.vetpar.2019.04.005

Keyword: IgA; Nematode resistance; Saliva test; Selective breeding

No. 509

Ghafouri-Kesbi, Farhad; Abbasi, Mokhtar Ali

Autosomal and X-linked additive genetic effects on body weight, body measurements and efficiency-related traits in sheep

Small Ruminant Research v. 180, 2019: p. 21-26

DOI: 10.1016/j.smallrumres.2019.09.017

Keyword: Sheep; Autosomal heritability; Genetic correlation; X-linked heritability

No. 510

Wu, Sen; Ning, Yue; Raza, Sayed Haidar Abbas; Zhang, Chengtu; Zhang, Le; Cheng, Gong; Wang, Hongbao; Schreurs, Nicola; Zan, Linsen

Genetic variants and haplotype combination in the bovine *CRTC3* affected conformation traits in two Chinese native cattle breeds (*Bos Taurus*)

Genomics v. 111, 2019: p. 1736-1744

DOI: 10.1016/j.ygeno.2018.11.028

Keyword: SNP; Conserved estimation; CRTC3; Growth traits; Molecular markers; mRNA expression

No. 511

Kaleshkumar, Karunanidhi; Rajaram, Rajendran; Gayathri, Nambirajan; Sivasudha, Thilagar; Arun, Ganesan; Archunan, Govindaraju; Gulyás, Balázs; Padmanabhan, Parasuraman

Muscle extract of *Arothron immaculatus* regulates the blood glucose level and the antioxidant system in high-fat diet and streptozotocin induced diabetic rats

Bioorganic Chemistry v. 90, 2019: p. 103072

DOI: 10.1016/j.bioorg.2019.103072

Keyword: Streptozotocin; and studies; High-fat diet; LC-ESI/MS analysis; Marine pufferfish; Type 2 diabetes mellitus

No. 512

Khan, Adil; Nasreen; Mitchell, Robert D.; Niaz, Sadaf; Ayaz, Sultan; Khattak, Irfan; Naeem, Huma; de León, Adalberto A. Pérez; Zaman, Muhammad Arfan

Seroprevalence of *Anaplasma* spp. among sheep and goats in Charsadda District, Pakistan

Small Ruminant Research v. 176, 2019: p. 5-10

DOI: 10.1016/j.smallrumres.2019.05.008

Keyword: ELISA; Seroprevalence; Small ruminants; Anaplasmosis; Pakistan; spp.

No. 513

Reynolds, M.A.; Borchers, M.R.; Davidson, J.A.; Bradley, C.M.; Bewley, J.M.

Technical note: An evaluation of technology-recorded rumination and feeding behaviors in dairy heifers

Journal of Dairy Science v. 102, 2019 : p. 6555-6558

DOI: 10.3168/jds.2018-15635

Keyword: rumination behavior; feeding behavior; precision dairy monitoring

No. 514

Maia, Ana Paula de A.; Moura, Daniella J.; Green, Angela R.; Silva, Wagner T.; Sarubbi, Juliana; Massari, Juliana M.; Barbosa, Leonardo Valentino Soares

Design and testing of a novel environmental preference chamber

Computers and Electronics in Agriculture v. 157, 2019: p. 23-37

DOI: 10.1016/j.compag.2018.12.026

Keyword: Animal welfare; Air quality; Automatic control; Free-choice testing

No. 515

Lai, Chunyou; Feng, Tianhang; Wei, Lingling; Zhang, Tianying; Zhou, Guo; Yang, Qinyan; Lan, Tao; Xiang, Guangming; Yao, Yutong; Zhou, Liang; Huang, Xiaolun

Development and validation of a primate model for liver fibrosis

Journal of Pharmacological and Toxicological Methods v. 100, 2019: p. 106600

DOI: 10.1016/j.vascn.2019.106600

Keyword: Carbon tetrachloride; Liver fibrosis; Rhesus monkey

No. 516

Villetaz Robichaud, M.; Rushen, J.; de Passillé, A.M.; Vasseur, E.; Haley, D.; Pellerin, D.

Associations between on-farm cow welfare indicators and productivity and profitability on Canadian dairies: II. On tiestall farms

Journal of Dairy Science v. 102, 2019: p. 4352-4363

DOI: 10.3168/jds.2018-14818

Keyword: productivity; profitability; welfare indicator; comfort; tiestall

No. 517

Karkaba, Ali; Hill, Kate; Benschop, Jackie; Pleydell, Eve; Grinberg, Alex

Carriage and population genetics of extended spectrum β -lactamase-producing *Escherichia coli* in cats and dogs in New Zealand

Veterinary Microbiology v. 233, 2019: p. 61-67

DOI: 10.1016/j.vetmic.2019.04.015

Keyword: AmpC-producing; Antimicrobial treatment; Extended spectrum β -lactamase-producing; Horizontal gene transfer; Multilocus sequence typing

No. 518

Huang, C.; Chiba, L.I.; Magee, W.E.; Wang, Y.; Griffing, D.A.; Torres, I.M.; Rodning, S.P.; Bratcher, C.L.; Bergen, W.G.; Spangler, E.A.

Effect of flaxseed oil, animal fat, and vitamin E supplementation on growth performance, serum metabolites, and carcass characteristics of finisher pigs, and physical characteristics of pork

Livestock Science v. 220, 2019: p. 143-151

DOI: 10.1016/j.livsci.2018.11.011

Keyword: Vitamin E; Carcass and pork characteristics; Finisher pigs; Flaxseed oil; Growth performance; Serum metabolites

No. 519

Oliveira, H.R.; Brito, L.F.; Lourenco, D.A.L.; Silva, F.F.; Jamrozik, J.; Schaeffer, L.R.; Schenkel, F.S.

Invited review: Advances and applications of random regression models: From quantitative genetics to genomics

Journal of Dairy Science v. 102, 2019: p. 7664-7683

DOI: 10.3168/jds.2019-16265

Keyword: lactation curve; genomic estimated breeding values; longitudinal trait; test-day

No. 520

Albrecht, Stephanie; Elpelt, Anja; Kasim, Ceyda; Reble, Carina; Mundhenk, Lars; Pischon, Hannah; Hedtrich, Sarah; Witzel, Christian; Lademann, Jürgen; Zastrow, Leonhard; Beckers, Ingeborg; Meinke, Martina C.

Quantification and characterization of radical production in human, animal and 3D skin models during sun irradiation measured by EPR spectroscopy

Free Radical Biology and Medicine v. 131, 2019: p. 299-308

DOI: 10.1016/j.freeradbiomed.2018.12.022

Keyword: Characterization of radical production; Human skin; Murine skin; Paramagnetic resonance spectroscopy; Porcine skin; Quantitative free radical measurement; Skin models; Sun irradiation

No. 521

Santos Silva, Danielly Beraldo dos; Fonseca, Larissa Fernanda Simielli; Magalhães, Ana Fabrícia Braga; Muniz, Maria Malane Magalhães; Baldi, Fernando; Ferro, Jesus Aparecido; Chardulo, Luis Artur Loyola; Pinheiro, Daniel Guariz; Albuquerque, Lucia Galvão
 Transcriptome profiling of muscle in Nelore cattle phenotypically divergent for the ribeye muscle area
 Genomics v. , 2019 : p.

DOI: 10.1016/j.ygeno.2019.07.012

Keyword: Bovine; RNA-Seq; Carcass trait; Co-expression; Genes; Hub genes

No. 523

King, Sally; Wills, Leigh; Randle, Hayley
 Early training of foals using the ISES training principles
 Journal of Veterinary Behavior v. 29, 2019: p. 140-146
 DOI: 10.1016/j.jveb.2018.11.001

Keyword: education; welfare; equitation science; foal; principles of learning; training

No. 525

Fernandez-Sainz, Ignacio; Gavitt, Tyler D.; Koster, Marla; Ramirez-Medina, Elizabeth; Rodriguez, Yelitza Y.; Wu, Ping; Silbart, Lawrence K.; de Los Santos, Teresa; Szczepanek, Steven M.
 The VP1 G-H loop hypervariable epitope contributes to protective immunity against Foot and Mouth Disease Virus in swine
 Vaccine v. 37, 2019: p. 3435-3442
 DOI: 10.1016/j.vaccine.2019.05.019

Keyword: Vaccine; Foot and Mouth Disease; G-H loop; Manisa; Serotype O; Xenoepitope

No. 527

Farid, A. Hossain; Hussain, Irshad
 A comparison between intraperitoneal injection and intranasal and oral inoculation of mink with Aleutian mink disease virus
 Research in Veterinary Science v. 124, 2019: p. 85-92
 DOI: 10.1016/j.rvsc.2019.02.006

Keyword: Aleutian mink disease virus; American mink; Anti-AMDV antibody; Histology; Inoculation routes

No. 522

Shen, Qingshan; Wang, Hang; Zhang, Chunhui; Qin, Xiaojie; Jia, Wei; Xu, Xiong; Richel, Aurore; Zheng, Qiankun
 Liquefaction of porcine hoof shell to prepare peptone substitute by instant catapult steam explosion
 Journal of Bioscience and Bioengineering v. , 2019: p.
 DOI: 10.1016/j.jbiosc.2019.09.019

Keyword: Animal by-products management; Instant catapult steam explosion; Liquefaction; Peptone substitutes; Porcine hoof shells

No. 524

Diez-Olivan, Alberto; Averós, Xavier; Sanz, Ricardo; Sierra, Basilio; Estevez, Inma
 Quantile regression forests-based modeling and environmental indicators for decision support in broiler farming
 Computers and Electronics in Agriculture v. 161, 2019: p. 141-150
 DOI: 10.1016/j.compag.2018.03.025

Keyword: Animal welfare; Machine learning; Broiler meat chicken; Data processing; Efficient production; Random forests

No. 526

Wilson, Tim J.
 The impact of Brexit on the future of UK forensic science and technology
 Forensic Science International v. 302, 2019: p. 109870
 DOI: 10.1016/j.forsciint.2019.06.028

Keyword: Brexit; Fiscal austerity; Forensic science and technology; International criminal justice cooperation; National science policy

No. 528

Sanada, Takahiro; Yasui, Fumihiko; Honda, Tomoko; Kayesh, Mohammad Enamul Hoque; Takano, Jun-ichiro; Shiogama, Yumiko; Yasutomi, Yasuhiro; Tsukiyama-Kohara, Kyoko; Kohara, Michinori
 Avian H5N1 influenza virus infection causes severe pneumonia in the Northern tree shrew (Tupaia belangeri)
 Virology v. 529, 2019: p. 101-110
 DOI: 10.1016/j.virol.2019.01.015

Keyword: H5N1; Avian influenza virus; H7N9; Tree shrew

No. 529

Beggs, D.S.; Jongman, E.C.; Hemsworth, P.H.; Fisher, A.D.
 Lameness on Australian dairy farms: A comparison of farmer-identified lameness and formal lameness scoring, and the position of lame cows within the milking order
 Journal of Dairy Science v. 102, 2019 : p. 1522-1529
 DOI: 10.3168/jds.2018-14847
Keyword: dairy cow; lameness prevalence; lameness scoring

No. 530

Groenestein, C.M.; Hutchings, N.J.; Haenel, H.D.; Amon, B.; Menzi, H.; Mikkelsen, M.H.; Misselbrook, T.H.; van Bruggen, C.; Kupper, T.; Webb, J.
 Comparison of ammonia emissions related to nitrogen use efficiency of livestock production in Europe
 Journal of Cleaner Production v. 211, 2019: p. 1162-1170
 DOI: 10.1016/j.jclepro.2018.11.143
Keyword: Animal protein; Ammonia emission intensity; Feed nitrogen; Manure management; Nitrogen use efficiency

No. 531

Oliveira, H.R.; Brito, L.F.; Silva, F.F.; Lourenco, D.A.L.; Jamrozik, J.; Schenkel, F.S.
 Genomic prediction of lactation curves for milk, fat, protein, and somatic cell score in Holstein cattle
 Journal of Dairy Science v. 102, 2019: p. 452-463
 DOI: 10.3168/jds.2018-15159
Keyword: random regression model; genomic breeding value; longitudinal trait; days in milk

No. 532

Silva, Vanessa A.; Bertechini, Antônio G.; Nogueira, Bernardo R.F.; Ribeiro, Heloísa V.; Mencalha, Raquel; Ramos, Eduardo M.
 Selenium Yeast Supplementation for Broilers at Different Ages
 Journal of Applied Poultry Research v. 28, 2019: p. 1021-1027
 DOI: 10.3382/japr/pfz063
Keyword: poultry; meat quality; organic mineral

No. 533

Fukimoto, Naila; Melo, Diogo; Palme, Rupert; Zanella, Adroaldo J.; Mendonça-Furtado, Olívia
 Are cats less stressed in homes than in shelters? A study of personality and faecal cortisol metabolites
 Applied Animal Behaviour Science v. , 2019: p. 104919
 DOI: 10.1016/j.applanim.2019.104919
Keyword: Cat owners; Faecal cortisol metabolites; Feline personality; Individual differences; Shelter adoption

No. 534

Kılıç, Birol; Özer, Cem Okan
 Potential use of interesterified palm kernel oil to replace animal fat in frankfurters
 Meat Science v. 148, 2019: p. 206-212
 DOI: 10.1016/j.meatsci.2018.08.024
Keyword: Fatty acid composition; Frankfurter; Interesterified palm kernel oil

No. 535

Laodim, Thawee; Elzo, Mauricio A.; Koonawootrittriron, Skorn; Suwanasopee, Thanathip; Jattawa, Danai
 Genomic-polygenic and polygenic predictions for milk yield, fat yield, and age at first calving in Thai multibreed dairy population using genic and functional sets of genotypes
 Livestock Science v. 219, 2019: p. 17-24
 DOI: 10.1016/j.livsci.2018.11.008
Keyword: Milk production; Genomic; Dairy cattle; Genetic evaluation; Tropical regions

No. 536

Clark, Stephanie D.; Smidt, Jessica M.; Bauer, Brent A.
 Welfare considerations: Salivary cortisol concentrations on frequency of therapy dog visits in an outpatient hospital setting: A pilot study
 Journal of Veterinary Behavior v. 30, 2019: p. 88-91
 DOI: 10.1016/j.jveb.2018.12.002
Keyword: welfare; cortisol; animal assisted therapy; therapy dog

No. 537

Torres, G.; Vargas, K.; Sánchez-Jiménez, M.; Reyes-Velez, J.; Olivera-Angel, M.

Genotypic and phenotypic characterization of biofilm production by *Staphylococcus aureus* strains isolated from bovine intramammary infections in Colombian dairy farms

Heliyon v. 5, 2019 : p. e02535

DOI: 10.1016/j.heliyon.2019.e02535

Keyword: Bacteria; Animal science; Microbiology; Mastitis; Biofilms; Genotype; Microbial genomics; Microorganism

No. 539

Navas, F.J.; Jordana, J.; McLean, A.K.; León, J.M.; Barba, C.J.; Arando, A.; Delgado, J.V.

Modelling for the inheritance of multiple births and fertility in endangered equids: Determining risk factors and genetic parameters in donkeys (*Equus asinus*)

Research in Veterinary Science v. 126, 2019: p. 213-226

DOI: 10.1016/j.rvsc.2019.09.007

Keyword: Heritability; Risk factors; Gibbs sampling; Donkey; Twinning

No. 541

Ørstrup, Laura Hvidsten; Tvilling, Laura; Orlowski, Dariusz; Zaer, Hamed; Bjarkam, Carsten Reidies; von Voss, Pia; Andersen, Pia Skårup; Christoffersen, Berit Ø.; Hedemann Sørensen, Jens Christian; Laursen, Torben; Thygesen, Peter; Lykkesfeldt, Jens; Glud

Towards a Göttingen minipig model of adult onset growth hormone deficiency: evaluation of stereotactic electrocoagulation method

Heliyon v. 5, 2019: p. e02892

DOI: 10.1016/j.heliyon.2019.e02892

Keyword: Neuroscience; Metabolism; Surgery; Endocrinology; Göttingen minipig; Growth hormone deficiency; Hypophysectomy; Large animal modelling; Metabolic disorder; Neurosurgery; Physiology; Stereotaxic surgery; Sus scrofa

No. 543

Chegini, Arash; Ghavi Hossein-Zadeh, Navid; Hosseini Moghaddam, Seyed Hossein; Shadparvar, Abdol Ahad

Genetic aspects of some reproductive, udder health and energy status traits in Holstein cows

Theriogenology v. 130, 2019: p. 1-7

DOI: 10.1016/j.theriogenology.2019.02.027

Keyword: Heritability; Genetic correlation; Gibbs sampling methodology; Reproductive trait; Udder health trait

No. 538

Wang, Yanan; Hu, Yongfei; Cao, Jian; Bi, Yuhai; Lv, Na; Liu, Fei; Liang, Shihao; Shi, Yi; Jiao, Xinan; Gao, George Fu; Zhu, Baoli

Antibiotic resistance gene reservoir in live poultry markets

Journal of Infection v. 78, 2019: p. 445-453

DOI: 10.1016/j.jinf.2019.03.012

Keyword: Metagenomics; Antibiotic resistance genes (ARGs); Live poultry markets (LPMs); Poultry microbiome; Tetracycline resistance (TcR)

No. 540

da S. dos Santos, Daiane; Klauck, Vanderlei; Campigotto, Gabriela; Alba, Davi F.; dos Reis, João H.; Gebert, Roger R.; Souza, Carine F.; Baldissera, Matheus D.; Schogor, Ana Luiza B.; Santos, Ingrid D.; Wagner, Roger; Vedovatto, Marcelo; Da Silva, Aleksan

Benefits of the inclusion of açai oil in the diet of dairy sheep in heat stress on health and milk production and quality

Journal of Thermal Biology v. 84, 2019: p. 250-258

DOI: 10.1016/j.jtherbio.2019.07.007

Keyword: Sheep; Milk; Lactation; Animal health; Heat stress; Açai oil; Productive efficiency

No. 542

Navas González, Francisco Javier; Jordana Vidal, Jordi; León Jurado, José Manuel; McLean, Amy Katherine; Delgado Bermejo, Juan Vicente

Dumb or smart asses? Donkey's (*Equus asinus*) cognitive capabilities share the heritability and variation patterns of human's (*Homo sapiens*) cognitive capabilities

Journal of Veterinary Behavior v. 33, 2019: p. 63-74

DOI: 10.1016/j.jveb.2019.06.007

Keyword: asses; cognition; genetic parameters; intelligence quotient

No. 544

Lv, Weiwei; Zhou, Wenzong; Lu, Shibo; Huang, Weiwei; Yuan, Quan; Tian, Minglu; Lv, Weiguang; He, Defu

Microplastic pollution in rice-fish co-culture system: A report of three farmland stations in Shanghai, China

Science of The Total Environment v. 652, 2019: p. 1209-1218

DOI: 10.1016/j.scitotenv.2018.10.321

Keyword: Agroecosystem; Aquatic animals; Microplastics; Rice-fish co-culture

No. 545

Merrill, C.; Ensermu, D.B.; Abdi, R.D.; Gillespie, B.E.; Vaughn, J.; Headrick, S.I.; Hash, K.; Walker, T.B.; Stone, E.; Kerro Dego, O.
Immunological responses and evaluation of the protection in dairy cows vaccinated with staphylococcal surface proteins
Veterinary Immunology and Immunopathology v. 214, 2019 : p. 109890
DOI: 10.1016/j.vetimm.2019.109890

Keyword: Vaccine; Mastitis; Immune response; Protective effect; Surface protein

No. 547

Oliveira, V.da S.; Oliveira, R.L.; Goes, R.H.T.B.; Silva, T.M.; Silva, L.F.; Freitas, L.S.; Pereira, E.S.; Bezerra, L.R.
Physicochemical composition, fatty acid profile and sensory attributes of the meat of young Nellore bulls fed sunflower cake from the biodiesel industry
Livestock Science v. 227, 2019: p. 97-104
DOI: 10.1016/j.livsci.2019.07.012

Keyword: Tenderness; Meat composition; Fatty acid; Hair sheep

No. 549

Kwong, Manlik; Gardner, Heather L.; Dieterle, Neil; Rentko, Virginia
Optimization of Electronic Medical Records for Data Mining Using a Common Data Model
Topics in Companion Animal Medicine v. 37, 2019: p. 100364
DOI: 10.1016/j.tcam.2019.100364

Keyword: research; infrastructure; COHA; electronic health record; OMOP; veterinary

No. 551

Modrackova, Nikol; Makovska, Marie; Mekadim, Chahrazed; Vlkova, Eva; Tejnecky, Vaclav; Bolechova, Petra; Bunesova, Vera
Prebiotic potential of natural gums and starch for bifidobacteria of variable origins
Bioactive Carbohydrates and Dietary Fibre v. 20, 2019: p. 100199
DOI: 10.1016/j.bcdf.2019.100199

Keyword: Natural gums; Origin; Prebiotic; SCFAs; Starch; Substrate

No. 546

Li, Zhipeng; Campbell, Roderick
Puppies for the Ancestors: The many roles of Shang dogs
Archaeological Research in Asia v. 17, 2019: p. 161-172
DOI: 10.1016/j.ara.2018.12.001

Keyword: Ritual; Dogs; Zooarchaeology; Animal sacrifice; Chinese archaeology; Ontology; Shang dynasty

No. 548

Ornelas, L.T.C.; Silva, D.C.; Tomich, T.R.; Campos, M.M.; Machado, F.S.; Ferreira, A.L.; Maurício, R.M.; Pereira, L.G.R.
Differences in methane production, yield and intensity and its effects on metabolism of dairy heifers
Science of The Total Environment v. 689, 2019: p. 1133-1140
DOI: 10.1016/j.scitotenv.2019.06.489

Keyword: Greenhouse gas; Climate change; Calorimetry; Nitrogen utilization; Respiration assay

No. 550

Cristo, T.G.; Biezu, G.; Noronha, L.F.; Gaspar, T.; Dal Pont, T.P.; Withoeft, J.A.; Furlan, L.V.; Costa, L.S.; Traverso, S.D.; Casagrande, R.A.
Feline Leukaemia Virus Associated with Leukaemia in Cats in Santa Catarina, Brazil
Journal of Comparative Pathology v. 170, 2019: p. 10-21
DOI: 10.1016/j.jcpa.2019.05.002

Keyword: cat; feline immunodeficiency virus; feline leukaemia virus; leukaemia

No. 552

Bazzano, Marilena; McLean, Amy; Tesei, Beniamino; Gallina, Elisa; Laus, Fulvio
Selenium and Vitamin E Concentrations in a Healthy Donkey Population in Central Italy
Journal of Equine Veterinary Science v. 78, 2019: p. 112-116
DOI: 10.1016/j.jevs.2019.04.003

Keyword: Selenium; Vitamin E; Dairy donkeys; Donkeys; Plasma concentrations

No. 553

Bertelsen, Maja; Jensen, Margit Bak

Does dairy calves' motivation for social play behaviour build up over time?

Applied Animal Behaviour Science v. 214 , 2019 : p. 18-24

DOI: 10.1016/j.applanim.2019.02.017

Keyword: Animal welfare; Arena test; Dairy calves; Motivational build-up; Play behaviour

No. 554

Rae, Caitlin; Hyndes, Glenn A.; Schlacher, Thomas A.

Trophic ecology of ghost crabs with diverse tastes: Unwilling vegetarians

Estuarine, Coastal and Shelf Science v. 224, 2019: p. 272-280

DOI: 10.1016/j.ecss.2019.02.023

Keyword: Ghost crabs; Marine detritus; Sandy beach ecology; Trophic connectivity; Trophic subsidy

No. 555

Costa, C.F.; Brichi, A.L.C.; Millen, D.D.; Goulart, R.S.; Pereira, I.C.; Estevam, D.D.; Perdigão, A.; Martins, C.L.; Arrigoni, M.D.B.

Feedlot performance, carcass characteristics and meat quality of Nellore bulls and steers fed Zilpaterol hydrochloride

Livestock Science v. 227, 2019: p. 166-174

DOI: 10.1016/j.livsci.2019.07.017

Keyword: Performance; Bulls; Zilpaterol; Feedlot; Nellore; Steers

No. 556

Salgado, Iván; Alfaro-Ponce, Mariel; Camacho, Oscar; Chairez, Isaac

Robust identification of unknown inputs in electrical stimulation of ex-vivo animal models

Biomedical Signal Processing and Control v. 52, 2019: p. 103-110

DOI: 10.1016/j.bspc.2019.03.013

Keyword: Differential neural network; Electrophysiological response; Sliding mode; Super-twisting algorithm; Unknown input observers

No. 557

Caetano, M.; Goulart, R.S.; Rizzo, P.M.; Silva, S.L.; Drouillard, J.S.; Leme, P.R.; Lanna, D.P.D.

Impact of flint corn processing method and dietary starch concentration on finishing performance of Nellore bulls

Animal Feed Science and Technology v. 251, 2019: p. 166-175

DOI: 10.1016/j.anifeedsci.2019.03.006

Keyword: Beef cattle; Ruminants; Fecal; Finely ground corn; Flint corn; High-moisture corn

No. 558

de Freslon, Inès; Martínez-López, Beatriz; Belkhiria, Jaber; Strappini, Ana; Monti, Gustavo

Use of social network analysis to improve the understanding of social behaviour in dairy cattle and its impact on disease transmission

Applied Animal Behaviour Science v. 213, 2019: p. 47-54

DOI: 10.1016/j.applanim.2019.01.006

Keyword: Dairy cattle; Contact network; Exponential random graph models; Leptospirosis; Sexual behaviour

No. 559

Pirmoghani, Amin; Salehi, Iraj; Moradkhani, Shirin; Karimi, Seyed Asaad; Salehi, Sakineh

Effect of Crataegus extract supplementation on diabetes induced memory deficits and serum biochemical parameters in male rats

IBRO Reports v. 7, 2019: p. 90-96

DOI: 10.1016/j.ibror.2019.10.004

Keyword: Wistar rats; Crataegus extract; Diabetes mellitus; Learning and memory; Lipid profile

No. 560

Gkarane, Vasiliki; Brunton, Nigel P.; Allen, Paul; Gravador, Rufielyn S.; Claffey, Noel A.; Diskin, Michael G.; Fahey, Alan G.; Farmer, Linda J.; Moloney, Aidan P.; Alcalde, Maria J.; Murphy, Patrick; Monahan, Frank J.

Effect of finishing diet and duration on the sensory quality and volatile profile of lamb meat

Food Research International v. 115, 2019: p. 54-64

DOI: 10.1016/j.foodres.2018.07.063

Keyword: Silage; Concentrate; Animal feed; Discriminant analysis; Palatability; SPME/GC/MS

No. 561

O' Mahony, Niall; Campbell, Sean; Carvalho, Anderson; Krpalkova, Lenka; Riordan, Daniel; Walsh, Joseph
3D Vision for Precision Dairy Farming
IFAC-PapersOnLine v. 52 , 2019 : p. 312-317
DOI: 10.1016/j.ifacol.2019.12.555

Keyword: Automation; Automation in Animal Farming; Robotics in Agriculture; Sensing

No. 562

Claudino da Silva, Stefania Caroline; Lala, Bruno; Carniatto, Caio Henrique de Oliveira; Schamber, Christiano Rodrigues; Nascimento, Carlos Souza; Braccini, Graciela Lucca; Porto, Carla; Roldi, Gabriel; Tanamati, Fernanda; Gasparino, Eliane
Fumonisin affects performance and modulates the gene expression of IGF-1 and GHR in Nile tilapia fingerlings and juveniles
Aquaculture v. 507, 2019: p. 233-237
DOI: 10.1016/j.aquaculture.2019.04.027

Keyword: Performance; Feed conversion; Weight gain

No. 563

Zhang, Li; Huang, Yuemeng; Wang, Meng; Guo, Yafen; Liang, Jing; Yang, Xiurong; Qi, Wenjing; Wu, Yanjun; Si, Jinglei; Zhu, Siran; Li, Zhe; Li, Ruiqiang; Shi, Chao; Wang, Shuo; Zhang, Qunjie; Tang, Zhonglin; Wang, Lixian; Li, Kui; Fei, Ji-Feng; Lan, Ganqiu
Development and Genome Sequencing of a Laboratory-Inbred Miniature Pig Facilitates Study of Human Diabetic Disease
iScience v. 19, 2019: p. 162-176
DOI: 10.1016/j.isci.2019.07.025

Keyword: Transcriptomics; Biological Sciences; Genomics; Gene Ontology; Genomic Analysis; Omics; Sequence Analysis

No. 564

Sadeghi, Mohammad-Hadi; Sari, Mohsen; abadi, Tahereh Mohammad; Rezai, Morteza
Effect of a short-term training on intake of Halocnemum strobilaceum forage by sheep
Applied Animal Behaviour Science v. 213, 2019: p. 74-80
DOI: 10.1016/j.applanim.2019.02.011

Keyword: Training; Ewe lambs; Feed preference; Neophobia

No. 565

Högberg, Niclas; Lidfors, Lena; Hessle, Anna; Arvidsson Segerkvist, Katarina; Herlin, Anders; Höglund, Johan
Effects of nematode parasitism on activity patterns in first-season grazing cattle
Veterinary Parasitology: X v. 1, 2019: p. 100011
DOI: 10.1016/j.vpoa.2019.100011

Keyword: Activity; Cattle; Behaviour; Animal welfare; Gastrointestinal nematodes; Health monitoring; Pasture

No. 566

Krug, Jacob T.; Klein, Adam K.; Purvis, Erin M.; Ayala, Kathy; Mayes, Matthew S.; Collins, Lisette; Fisher, Matthew P.A.; Ettenberg, Aaron
Effects of chronic lithium exposure in a modified rodent ketamine-induced hyperactivity model of mania
Pharmacology Biochemistry and Behavior v. 179, 2019: p. 150-155
DOI: 10.1016/j.pbb.2019.01.003

Keyword: Animal model; Lithium; Mania; Ketamine; Locomotor activity

No. 567

Carrara, Eula Regina; Gaya, Leila de Genova; Petrini, Juliana; Paiva, José Teodoro de; Salvian, Mayara; Rovadoscki, Gregori Alberto; Machado, Paulo Fernando; Mourão, Gerson Barreto
Genetic and phenotypic trends for milk fatty acids in a Holstein cattle population reared under tropical conditions
Livestock Science v. 228, 2019: p. 84-92
DOI: 10.1016/j.livsci.2019.08.006

Keyword: Selection; Dairy cattle; Bayesian inference; EBV; Linear regression; Milk fat

No. 568

Sahagun, Elizabeth; Ward, Lauren M.; Kinzig, Kimberly P.
Attenuation of stress-induced weight loss with a ketogenic diet
Physiology & Behavior v. 212, 2019: p. 112654
DOI: 10.1016/j.physbeh.2019.112654

Keyword: Animal model; Chronic stress; Hypothalamic-pituitary-adrenal axis; Ketogenic diet; Mood disorders

No. 569

Sankey, Daniel W.E.; Shepard, Emily L.C.; Biro, Dora; Portugal, Steven J.
Speed consensus and the 'Goldilocks principle' in flocking birds
(*Columba livia*)

Animal Behaviour v. 157, 2019 : p. 105-119

DOI: 10.1016/j.anbehav.2019.09.001

Keyword: collective behaviour; coordination; flight dynamics; movement ecology; social behaviour; trade-offs

No. 570

Nagakura, Yukinori; Miwa, Machiko; Yoshida, Miku; Miura, Reina; Tanei, Shigeharu; Tsuji, Minoru; Takeda, Hiroshi

Spontaneous pain-associated facial expression and efficacy of clinically used drugs in the reserpine-induced rat model of fibromyalgia

European Journal of Pharmacology v. 864, 2019: p. 172716

DOI: 10.1016/j.ejphar.2019.172716

Keyword: Animal model; Analgesic efficacy translation; Facial expression; Fibromyalgia; Non-organic pain; Spontaneous pain measure

No. 571

Steinert, Katrin; Kuhne, Franziska; Kramer, Martin; Hackbarth, Hansjoachim

People's perception of brachycephalic breeds and breed-related welfare problems in Germany

Journal of Veterinary Behavior v. 33, 2019: p. 96-102

DOI: 10.1016/j.jveb.2019.06.006

Keyword: animal welfare; brachycephalic; conformation; dog; suffering

No. 572

Wilson, Cara S.; Brookes, Victoria J.; Barnes, Tamsin S.; Woodgate, Rob G.; Peters, Andrew; Jenkins, David J.

Revisiting cyst burden and risk factors for hepatic hydatid disease (*Echinococcus granulosus sensu stricto*) in Australian beef cattle

Preventive Veterinary Medicine v. 172, 2019: p. 104791

DOI: 10.1016/j.prevetmed.2019.104791

Keyword: Beef cattle; Risk factors; sensu stricto; Australia; Hepatic hydatid disease; Liver hydatid cysts

No. 573

Gadberry, M.S.; Robinson, J.; Looper, M.L.; Justice, T.; Montgomery, P.; Jennings, J.; Beck, P.A.; Russell, M.; Ward, H.; Kimbrough, C.

Arkansas beef cattle industry: 2017 self-assessment

Applied Animal Science v. 35, 2019: p. 357-370

DOI: 10.15232/aas.2019-01859

Keyword: cattle; survey; assessment; industry

No. 574

Oliveira, Alandeom W.; Barnes, Erica M.

Elementary students' socialization into science reading

Teaching and Teacher Education v. 81, 2019: p. 25-37

DOI: 10.1016/j.tate.2019.02.007

Keyword: Elementary science reading; Literacy orientation; Science gesticulation; Science read-alouds; Student socialization

No. 575

Anhalt-Depies, Christine; Stenglein, Jennifer L.; Zuckerberg, Benjamin; Townsend, Philip A.; Rissman, Adena R.

Tradeoffs and tools for data quality, privacy, transparency, and trust in citizen science

Biological Conservation v. 238, 2019: p. 108195

DOI: 10.1016/j.biocon.2019.108195

Keyword: Data sharing; Information privacy; Open data; Resource security

No. 576

van der Linden, Dirk; Zamansky, Anna; Hadar, Irit; Craggs, Barnaby

Developing for non-human users: Reflecting on practical implications in the ubiquitous computing era

Journal of Industrial Information Integration v. 14, 2019: p. 50-58

DOI: 10.1016/j.jii.2018.07.001

Keyword: Animal-computer interaction; Requirements engineering; Technology development; User-centered design

No. 577

Wang, Haiyan; Liu, Qiang; Jiang, Xiumei; Zhang, Ying; Zhao, Aiyun; Cui, Zhaohui; Li, Dongfang; Qi, Meng; Zhang, Longxian
 Dominance of zoonotic genotype D of Enterocytozoon bieneusi in bamboo rats (*Rhizomys sinensis*)
Infection, Genetics and Evolution v. 73, 2019 : p. 113-118
 DOI: 10.1016/j.meegid.2019.04.025

Keyword: Genotype; Bamboo rats; Zoonotic

No. 578

Souza-Cácares, M.B.; Fialho, A.L.L.; Silva, W.A.L.; Cardoso, C.J.T.; Pöhländ, R.; Martins, M.I.M.; Melo-Sterza, F.A.
 Oocyte quality and heat shock proteins in oocytes from bovine breeds adapted to the tropics under different conditions of environmental thermal stress
Theriogenology v. 130, 2019: p. 103-110
 DOI: 10.1016/j.theriogenology.2019.02.039

Keyword: Bovine; Black globe humidity index; Heat shock protein; Oocyte quality; Respiratory frequency

No. 579

Evans, Jacqueline C.; Morgan, Jeffrey D.; Castaneda, Maria G.; Boudreau, Susan M.; Maddry, Joseph K.; Anderson, Kenton L.
 A Traumatic Pulseless Electrical Activity Model: Mortality Increases With Hypovolemia Time
Journal of Surgical Research v. 243, 2019: p. 301-308
 DOI: 10.1016/j.jss.2019.05.037

Keyword: Animal model; Cardiac arrest; Hemodynamics; Hemorrhage; Hyperkalemia; Trauma

No. 580

Capcarova, Marcela; Kalafova, Anna; Schwarzova, Marianna; Schneidgenova, Monika; Svik, Karol; Prnova, Marta Soltesova; Slovak, Lukas; Kovacik, Anton; Lory, Viktoria; Zorad, Stefan; Brindza, Jan
 Cornelian cherry fruit improves glycaemia and manifestations of diabetes in obese Zucker diabetic fatty rats
Research in Veterinary Science v. 126, 2019: p. 118-123
 DOI: 10.1016/j.rvsc.2019.08.024

Keyword: Treatment; Diabetes; Cornelian cherry; Obesity

No. 581

Fortuoso, Bruno F.; Baldissera, Matheus D.; Souza, Carine F.; Griss, Luiz Gustavo; Casagrande, Renata A.; de Cristo, Thierry G.; Santiani, Fábio; da Cunha, Marily G.; Boiago, Marcel M.; Stefani, Lenita M.; Da Silva, Aleksandro S.
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Parasitology International v. 70, 2019: p. 16-22
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Keyword: Performance; Adenylate kinase; Creatine kinase; Eimeriosis; Oxidation

No. 582

Xue, M.Y.; Sun, H.Z.; Wu, X.H.; Guan, L.L.; Liu, J.X.
 Assessment of rumen bacteria in dairy cows with varied milk protein yield
Journal of Dairy Science v. 102, 2019: p. 5031-5041
 DOI: 10.3168/jds.2018-15974

Keyword: dairy cow; 16S rRNA gene sequencing; milk protein yield; rumen bacteria

No. 583

Franchi, Guilherme Amorim; Herskin, Mette S.; Jensen, Margit Bak
 Do dietary and milking frequency changes during a gradual dry-off affect feed-related attention bias and visual lateralisation in dairy cows?
Applied Animal Behaviour Science v. , 2019: p. 104923
 DOI: 10.1016/j.applanim.2019.104923

Keyword: Dairy cow; Dry-off; Feed-related attention bias; Feeding motivation; Hunger; Visual lateralisation

No. 584

Miguel, Sandro René Pinto de Sousa; Ligabue-Braun, Rodrigo
 Hypothesis: Compulsive hoarding as an atavism
Medical Hypotheses v. 130, 2019: p. 109273
 DOI: 10.1016/j.mehy.2019.109273

Keyword: Animal models; Genetics; Shrew

No. 585

Wolff, Inga; Klein, Sandrina; Rauch, Elke; Erhard, Michael; Mönch, Julia; Härtle, Sonja; Schmidt, Paul; Louton, Helen
 Harvesting-induced stress in broilers: Comparison of a manual and a mechanical harvesting method under field conditions
 Applied Animal Behaviour Science v. 221, 2019 : p. 104877
 DOI: 10.1016/j.applanim.2019.104877
Keyword: Stress; Behaviour observation; Broiler harvesting; Manual harvesting; Mechanical harvesting

No. 586

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 Effect of free and nano-encapsulated curcumin on treatment and energetic metabolism of gerbils infected by *Listeria monocytogenes*
 Microbial Pathogenesis v. 134, 2019: p. 103564
 DOI: 10.1016/j.micpath.2019.103564
Keyword:

No. 587

Sadeghi-Dehkordi, Zainab; Norouzi, Ebrahim; Rezaeian, Hidokht; Nourian, Alireza; Noaman, Vahid; Sazmand, Alireza
 First insight into *Encephalitozoon cuniculi* infection in laboratory and pet rabbits in Iran
 Comparative Immunology, Microbiology and Infectious Diseases v. 65, 2019: p. 37-40
 DOI: 10.1016/j.cimid.2019.04.005
Keyword: Zoonosis; Encephalitozoonosis; Hamedan; Karaj

No. 588

Isa, Adamu Mani; Bemji, Martha N.; Wheto, Mathew; Williams, Tolulope J.; Ibeagha-Awemu, Eveline M.
 Characterization of gonadotropin releasing hormone receptor gene in Sokoto and Kalahari Red goats
 Animal Reproduction Science v. 208, 2019: p. 106109
 DOI: 10.1016/j.anireprosci.2019.106109
Keyword: Goat; GnRHR; Litter size

No. 589

Zhang, Xue-Lian; Li, Xiao-Wen; Li, Wen-Feng; Huang, Shu-Jian; Shao, Jian-Wei
 Molecular detection and characterization of *Bartonella* spp. in pet cats and dogs in Shenzhen, China
 Acta Tropica v. 197, 2019: p. 105056
 DOI: 10.1016/j.actatropica.2019.105056
Keyword: spp.; Molecular detection and characterization; Pet cats and dogs; Shenzhen

No. 590

Sun, Lv-Hui; Huang, Jia-Qiang; Deng, Jiang; Lei, Xin Gen
 Avian selenogenome: response to dietary Se and vitamin E deficiency and supplementation
 Poultry Science v. 98, 2019: p. 4247-4254
 DOI: 10.3382/ps/pey408
Keyword: gene expression; Avian; oxidative stress; selenium; selenoprotein

No. 591

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 Individual milk fatty acids are potential predictors of enteric methane emissions from dairy cows fed a wide range of diets: Approach by meta-analysis
 Journal of Dairy Science v. 102, 2019: p. 10616-10631
 DOI: 10.3168/jds.2018-15940
Keyword: dairy cow; methane emissions; milk fatty acids; prediction model

No. 592

Abbas, Mazhar; Hussain, Tariq; Arshad, Muhammad; Ansari, Abdur Rahman; Irshad, Asma; Nisar, Jan; Hussain, Fida; Masood, Nasir; Nazir, Arif; Iqbal, Munawar
 Wound healing potential of curcumin cross-linked chitosan/polyvinyl alcohol
 International Journal of Biological Macromolecules v. 140, 2019: p. 871-876
 DOI: 10.1016/j.ijbiomac.2019.08.153
Keyword: Antioxidant; Curcumin; Wound healing; Antibacterial; Chitosan-PVA

No. 593

Oliveira, H.R.; Lourenco, D.A.L.; Masuda, Y.; Misztal, I.; Tsuruta, S.; Jamrozik, J.; Brito, L.F.; Silva, F.F.; Schenkel, F.S.
Application of single-step genomic evaluation using multiple-trait random regression test-day models in dairy cattle
Journal of Dairy Science v. 102, 2019 : p. 2365-2377
DOI: 10.3168/jds.2018-15466

Keyword: longitudinal trait; Ayrshire; Holstein; Jersey

No. 594

Choi, Kwang-Hwan; Lee, Dong-Kyung; Kim, Sung Woo; Woo, Sang-Ho; Kim, Dae-Yong; Lee, Chang-Kyu
Chemically Defined Media Can Maintain Pig Pluripotency Network In Vitro
Stem Cell Reports v. 13, 2019: p. 221-234
DOI: 10.1016/j.stemcr.2019.05.028

Keyword: pig; embryonic stem cells; pluripotency; pluripotent stem cells; preimplantation embryo; primed state; teratoma; transcriptome analysis

No. 595

Carvalho, Tiago Pinheiro Vaz de; Peixoto, Christina Alves; Paiva, Igor Henrique Rodrigues de; Arcoverde, Rodrigo Moraes Loyo; Nascimento, Wheverton Correia do; Vasconcelos, Luydson Richardson Silva; Gomes, Elaine Christine de Souza; Barbosa, Constança Cl
Does physical exercise influence in the development of neuroschistosomiasis?
Brain Research Bulletin v. 152, 2019: p. 311-322
DOI: 10.1016/j.brainresbull.2019.07.029

Keyword: Animal models; Neuroschistosomiasis; Nociception test; Spinal cord disease

No. 596

Guerrero, Silvia; Sebastián-Enesco, Carla; Pérez, Natalia; Enesco, Ileana
Myths in science: Children trust but do not retain their teacher's information
Journal of Applied Developmental Psychology v. 62, 2019: p. 116-121
DOI: 10.1016/j.appdev.2019.02.007

Keyword: Science; Learning from testimony; Schoolteacher; Trust

No. 597

Hightower, Bri; Lovato, Silvia; Davison, Jordan; Wartella, Ellen; Piper, Anne Marie
Haptic explorers: Supporting science journaling through mobile haptic feedback displays
International Journal of Human-Computer Studies v. 122, 2019: p. 103-112
DOI: 10.1016/j.ijhcs.2018.09.005

Keyword: Children; Haptic feedback; Mobile devices; Science learning

No. 598

Hamamoto Filho, Pedro Tadao; Fogaroli, Marcelo Ortolani; Oliveira, Marcelo Augusto Chiantelli; Oliveira, Cristiano Claudino; Batah, Sabrina Setembre; Fabro, Alexandre Todorovic; Vulcano, Luiz Carlos; Bazan, Rodrigo; Zanini, Marco Antônio
A Rat Model of Neurocysticercosis-Induced Hydrocephalus: Chronic Progressive Hydrocephalus with Mild Clinical Impairment
World Neurosurgery v. 132, 2019: p. e535-e544
DOI: 10.1016/j.wneu.2019.08.085

Keyword: Hydrocephalus; Kaolin; Neurocysticercosis; Ventricular dilatation

No. 599

Rouyan, Anahita
Reforming uncultivated minds: The species transmutation debate and American science of life in the antebellum agricultural press, 1820–1859
Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences v. 76, 2019: p. 101170
DOI: 10.1016/j.shpsc.2019.01.006

Keyword: Evolution; Agricultural science; Agricultural periodicals; Botany; Science popularization; Science professionalization

No. 600

Martins, Marina; Justi, Rosária
Analysis of the relationships between students' argumentation and their views on nature of science
Learning, Culture and Social Interaction v. , 2019: p. 100366
DOI: 10.1016/j.lcsi.2019.100366

Keyword: Argumentative clusters; Argumentative reasoning; Disciplines of science; Nature of science

No. 601

Kolenda, Magdalena; Grochowska, Ewa; Milewski, Stanisław; Mroczkowski, Sławomir

The association between the polymorphism in the myostatin gene and growth traits in Kamieniec and Pomeranian sheep breeds

Small Ruminant Research v. 177, 2019: p. 29-35

DOI: 10.1016/j.smallrumres.2019.06.007

Keyword: Sheep; Growth; Polymorphism; Myostatin

No. 602

Wiśniewska, Marcjanna; Janczarek, Iwona; Wilk, Izabela; Wnuk-Pawlak, Elżbieta

Use of Music Therapy in Aiding the Relaxation of Geriatric Horses

Journal of Equine Veterinary Science v. 78, 2019: p. 89-93

DOI: 10.1016/j.jevs.2018.12.011

Keyword: Heart rate variability; Geriatric horse; Music therapy

No. 603

Ouyang, Yilan; Han, Xiaorui; Yu, Yanlei; Chen, Jianle; Fu, Li; Zhang, Fuming; Linhardt, Robert J.; Fareed, Jawed; Hoppensteadt, Debra; Jeske, Walter; Kouta, Ahmed; Zhang, Zhenqing; Xia, Ke

Chemometric analysis of porcine, bovine and ovine heparins

Journal of Pharmaceutical and Biomedical Analysis v. 164, 2019: p. 345-352

DOI: 10.1016/j.jpba.2018.10.052

Keyword: Chemometrics; Classification; Mass spectrometry; Animal origin; H NMR spectroscopy; Heparin

No. 604

Borges, Aline Morás; Ferrari, Renata Sallati; Thomaz, Leonardo Dalla Giacomassa Rocha; Ulbrich, Jane Maria; Félix, Elaine Aparecida; Silvello, Daiane; Andrade, Cristiano Feijó

Challenges and perspectives in porcine model of acute lung injury using oleic acid

Pulmonary Pharmacology & Therapeutics v. 59, 2019: p. 101837

DOI: 10.1016/j.pupt.2019.101837

Keyword: Animal experimentation; Hemodynamics; Acute lung injury; Oleic acid; Respiratory mechanics

No. 605

Schiavo, Giuseppina; Bovo, Samuele; Tinarelli, Silvia; Bertolini, Francesca; Dall'Olio, Stefania; Gallo, Maurizio; Fontanesi, Luca

Genome-wide association analyses for several exterior traits in the autochthonous Casertana pig breed

Livestock Science v. 230, 2019: p. 103842

DOI: 10.1016/j.livsci.2019.103842

Keyword: Sus scrofa; Animal genetic resource; Coat colour; Ear conformation; Single nucleotide polymorphism; Wattle

No. 606

Cannady, Matthew A.; Vincent-Ruz, Paulette; Chung, Joo Man; Schunn, Christian D.

Scientific sensemaking supports science content learning across disciplines and instructional contexts

Contemporary Educational Psychology v. 59, 2019: p. 101802

DOI: 10.1016/j.cedpsych.2019.101802

Keyword: Science learning; Middle school; Scientific practices; Scientific sensemaking

No. 607

Bacarella, Nicole; Ruggiero, Alistaire; Davis, Ashley T.; Uberseder, Beth; Davis, Matthew A.; Bracy, Deanna P.; Wasserman, David H.; Cline, J. Mark; Sherrill, Chrissy; Kavanagh, Kylie

Whole Body Irradiation Induces Diabetes and Adipose Insulin Resistance in Nonhuman Primates

International Journal of Radiation Oncology*Biophysics v. , 2019: p.

DOI: 10.1016/j.ijrobp.2019.11.034

Keyword:

No. 608

Kornblith, Aaron E.; Budak, Jehan Z.; Simeone, Claire A.; Nuckton, Thomas J.

Severe Sea Lion Bites in Urban Cold-Water Swimmers

The Journal of Emergency Medicine v. 57, 2019: p. 859-865

DOI: 10.1016/j.jemermed.2019.09.009

Keyword: animal bites; California sea lions; marine mammals; pinnipedia; swimming

No. 609

Young, Bruce E.; Dodge, Noel; Hunt, Pamela D.; Ormes, Margaret; Schlesinger, Matthew D.; Shaw, Hollie Y.

Using citizen science data to support conservation in environmental regulatory contexts

Biological Conservation v. 237 , 2019 : p. 57-62

DOI: 10.1016/j.biocon.2019.06.016

Keyword: At-risk species; eBird; Environmental regulation; iNaturalist; Regulatory review; Species protection

No. 610

de Abreu, Murilo S.; Genario, Rafael; Giacomini, Ana C.V.V.; Demin, Konstantin A.; Lakstygal, Anton M.; Amstislavskaya, Tamara G.; Fontana, Barbara Dotto; Parker, Matthew O.; Kalueff, Allan V.

Zebrafish as a Model of Neurodevelopmental Disorders

Neuroscience v. , 2019: p.

DOI: 10.1016/j.neuroscience.2019.08.034

Keyword: animal models; attention-deficit/hyperactivity disorder; autism; genetic models; neurodevelopment

No. 611

Lienhardt, Theophile; Black, Kirsty; Saget, Sophie; Costa, Marcela Porto; Chadwick, David; Rees, Robert M.; Williams, Michael; Spillane, Charles; Iannetta, Pietro M.; Walker, Graeme; Styles, David

Just the tonic! Legume biorefining for alcohol has the potential to reduce Europe's protein deficit and mitigate climate change

Environment International v. 130, 2019: p. 104870

DOI: 10.1016/j.envint.2019.05.064

Keyword: Animal feed; Legumes; DDGS; Distillation; Ethanol; LCA; Life cycle assessment; Pea

No. 612

Chen, Chaojie; Zhong, Zhifeng; Xin, Zhiming; Zhang, Shuihua; Yu, Changxi

A new stress model by predatory sound produces persistent anxiety-like behaviours in male SD rats but not ICR mice

Applied Animal Behaviour Science v. 220, 2019: p. 104843

DOI: 10.1016/j.applanim.2019.104843

Keyword: Animal model; Stress; HPA axis; Anxiety; Autonomic nervous system; Predatory sound

No. 613

Huang, X.; Estes, K.A.; Yoder, P.S.; Wang, C.; Jiang, N.; Pilonero, T.; Hanigan, M.D.

Assessing availability of amino acids from various feedstuffs in dairy cattle using a stable isotope-based approach

Journal of Dairy Science v. 102, 2019: p. 10983-10996

DOI: 10.3168/jds.2019-16597

Keyword: amino acid; dairy cattle; availability; isotope

No. 614

Dai, Xueyan; Nie, Gaohui; Cao, Huabin; Xing, Chenghong; Hu, Guoliang; Zhang, Caiying

In vivo assessment of molybdenum and cadmium co-induced the mRNA levels of heat shock proteins, inflammatory cytokines and apoptosis in shaoxing duck (*Anas platyrhynchos*) testicles

Poultry Science v. 98, 2019: p. 5424-5431

DOI: 10.3382/ps/pez328

Keyword: apoptosis; cadmium; heat shock protein; inflammatory cytokine; molybdenum

No. 615

Mendonça, I.B.; Watanabe, P.H.; Silva, B.A.N.; Boiago, M.M.; Panisson, J.C.; Andrade, T.S.; Campos, A.C.N.; Mello, M.A.S.P.

Dietary supplementation of guanidinoacetic acid for sows and their progenies: Performance, blood parameters and economic viability at nursery phase

Livestock Science v. 227, 2019: p. 105-110

DOI: 10.1016/j.livsci.2019.07.011

Keyword: Creatine kinase; Creatinine; Guanidinoacetate

No. 616

Teng, Jinyan; Gao, Ning; Zhang, Haibin; Li, Xiujin; Li, Jiaqi; Zhang, Hao; Zhang, Xiquan; Zhang, Zhe

Performance of whole genome prediction for growth traits in a crossbred chicken population

Poultry Science v. 98, 2019: p. 1968-1975

DOI: 10.3382/ps/pey604

Keyword: chicken; crossbreeding; genomic prediction; crossbred population; selection differential

No. 617

Beck, P.A.; Sims, M.B.; Hubbell, D.; Galyen, W.; Meador, Heather; Weiss, C.P.; Hess, T.

Effects of tillage method and planting date of wheat pasture on forage production and beef calf performance

Applied Animal Science v. 35 , 2019 : p. 269-277

DOI: 10.15232/aas.2018-01829

Keyword: grazing steers; planting date; tillage method; wheat pasture

No. 618

Sisti, María S.; Nishida, Fabián; Zanuzzi, Carolina N.; Laurella, Sergio L.; Cantet, Rodolfo J.C.; Portiansky, Enrique L.

Lidocaine protects neurons of the spinal cord in an excitotoxicity model

Neuroscience Letters v. 698, 2019: p. 105-112

DOI: 10.1016/j.neulet.2019.01.019

Keyword: Spinal cord injury; Neuroprotection; Excitotoxicity; Kainic acid; Lidocaine

No. 619

Cardoso, Clarissa S.; von Keyserlingk, Marina A.G.; Hötzel, Maria José

Views of dairy farmers, agricultural advisors, and lay citizens on the ideal dairy farm

Journal of Dairy Science v. 102, 2019: p. 1811-1821

DOI: 10.3168/jds.2018-14688

Keyword: milk production; survey; animal welfare; Brazil

No. 620

ZHOU, Zheng-wei; CAO, Guo-hua; LI, Zhe; HAN, Xue-jie; LI, Chen; LU, Zhen-yu; ZHAO, Yu-hang; LI, Xue-ling

Truncated gRNA reduces CRISPR/Cas9-mediated off-target rate for MSTN gene knockout in bovines

Journal of Integrative Agriculture v. 18, 2019: p. 2835-2843

DOI: 10.1016/S2095-3119(19)62744-9

Keyword: CRISPR/Cas9; gRNA; off-target rate; targeting site

No. 621

Sun, H.Z.; Plastow, G.; Guan, L.L.

Invited review: Advances and challenges in application of feedomics to improve dairy cow production and health

Journal of Dairy Science v. 102, 2019: p. 5853-5870

DOI: 10.3168/jds.2018-16126

Keyword: dairy cow; feedomics; milk yield and milk quality; omics; transition period

No. 622

Valverde, Anthony; Madrigal-Valverde, Mónica; Castro-Morales, Olivier; Gadea-Rivas, Arnoldo; Johnston, Stephen; Soler, Carles

Kinematic and head morphometric characterisation of spermatozoa from the Brown Caiman (Caiman crocodilus fuscus)

Animal Reproduction Science v. 207, 2019: p. 9-20

DOI: 10.1016/j.anireprosci.2019.06.011

Keyword: Andrology; Caiman; Crocodylia; Reptile reproduction; Sperm analysis

No. 623

Kučerová, Hana Lya; Žákovská, Alena; Marková, Jiřina; Bártová, Eva

Detection of antibodies to Borrelia burgdorferi s.l. in wild small mammals and sensitivity of PCR and cultivation

Veterinary Microbiology v. 230, 2019: p. 241-243

DOI: 10.1016/j.vetmic.2019.02.004

Keyword: Seroprevalence; Ticks; Lyme borreliosis; Rodents; Spirochetes; Vector-borne disease

No. 624

Torre, Ignasi; Raspall, Alfons; Arrizabalaga, Antoni; Díaz, Mario

Evaluating trap performance and volunteers' experience in small mammal monitoring programs based on citizen science: The SEMICE case study

Mammalian Biology v. 95, 2019: p. 26-30

DOI: 10.1016/j.mambio.2019.01.004

Keyword: Monitoring; Citizen science; Small mammals; Experience; Volunteers

No. 625

Mota, L.F.M.; Costa, L.S.; Abreu, L.R.A.; Bonafé, C.M.; Ventura, H.T.; Martins, P.G.M.A.

Genetic evaluation for scrotal circumference in Guzarat cattle through different models

Livestock Science v. 222, 2019 : p. 1-6

DOI: 10.1016/j.livsci.2019.02.004

Keyword: Genetic correlation; Reproductive trait; Legendre polynomials; Multi-trait; Random regression

No. 626

Combs, M.D.; Hamlin, A.; Quinn, J.C.

A single exposure to the tremorgenic mycotoxin lolitrem B inhibits voluntary motor activity and spatial orientation but not spatial learning or memory in mice

Toxicol v. 168, 2019: p. 58-66

DOI: 10.1016/j.toxicol.2019.06.228

Keyword: Memory; Coordination; Lolitrem B; Paxilline; Spatial learning; Tremor; Voluntary movement

No. 627

Raina, Rajinder; Verma, Pawan K.; Peshin, Rajinder; Kour, Harpreet

Potential of *Juniperus communis* L as a nutraceutical in human and veterinary medicine

Heliyon v. 5, 2019: p. e02376

DOI: 10.1016/j.heliyon.2019.e02376

Keyword: Antioxidant; Food science; Anti-proliferative; Chemistry; Nutraceutical; Phytochemical ingredients

No. 628

da Luz, Patrícia Aparecida Cardoso; Andrighetto, Cristiana; Lupatini, Gelci Carlos; Aranha, Helena Sampaio; Trivelin, Gustavo Antunes; Mateus, Gustavo Pavan; Santos, Carolina Toledo; Francisco, Caroline de Lima; Castilhos, André Michel; Jorge, André Mende

Effect of integrated crop-livestock systems in carcass and meat quality of Nelore cattle

Livestock Science v. 220, 2019: p. 83-92

DOI: 10.1016/j.livsci.2018.11.018

Keyword: Tenderness; Integrated crop-livestock-forest; Muscle glycogen; Ribeye area

No. 629

Lal, Neha; Seifan, Mostafa; Novin, Donya; Berenjian, Aydin

Development of a Menaquinone-7 enriched product through the solid-state fermentation of *Bacillus licheniformis*

Biocatalysis and Agricultural Biotechnology v. 19, 2019: p. 101172

DOI: 10.1016/j.bcab.2019.101172

Keyword: Animals; Solid-state fermentation; Bone fractures; MK-7

No. 630

Eskeland, Sveinung; Stuenkel, Snorre; Crosby, Franci L.; Lybeck, Kari; Barbet, Anthony F.; Lindgren, Per-Eric; Tollefsen, Stig; Wilhelmsson, Peter; Tollersrud, Tore S.; Makvandi-Nejad, Shokouh; Granquist, Erik G. Assessing the clinical and bacteriological outcomes of vaccination with recombinant Asp14 and OmpA against *A. phagocytophilum* in sheep

Veterinary Immunology and Immunopathology v. 218, 2019: p. 109936

DOI: 10.1016/j.vetimm.2019.109936

Keyword: Vaccination; Peripheral mononuclear blood cells; Recombinant protein; Serological response

No. 631

van der Eijk, Jerine A.J.; Verwoolde, Michel B.; de Vries Reilingh, Ger; Jansen, Christine A.; Rodenburg, T. Bas; Lammers, Aart

Chicken lines divergently selected on feather pecking differ in immune characteristics

Physiology & Behavior v. 212, 2019: p. 112680

DOI: 10.1016/j.physbeh.2019.112680

Keyword: Feather pecking; Immune system; Natural (auto)antibodies; Nitric oxide production; Specific antibodies

No. 632

Ullah, Imran; Lee, Ran; Oh, Keon Bong; Kim, Youngim; Woo, Jae-Seok; Hwang, Seongsoo; Im, Gi-Sun; Ock, Sun A.

Stable Regulation of Senescence-Related Genes in Galactose- α 1,3-galactose Epitope Knockout and Human Membrane Cofactor Protein hCD46 Pig

Transplantation Proceedings v. 51, 2019: p. 2043-2050

DOI: 10.1016/j.transproceed.2019.03.028

Keyword:

No. 633

Jeszeová, Lenka; Benžová, Radka; Gluščíková, Marianna; Šišková, Alena; Kisová, Zuzana; Planý, Matej; Kraková, Lucia; Bauerová-Hlinková, Vladena; Pangallo, Domenico

Biocleaning of historical documents: The use and characterization of bacterial enzymatic resources

International Biodeterioration & Biodegradation v. 140 , 2019 : p. 106-112

DOI: 10.1016/j.ibiod.2019.03.017

Keyword: Bacteria; Animal glue; Cultural heritage; Extracellular enzymatic mixture; Inhibitors; Metal ions

No. 635

Fuchs, Boris; Sørheim, Kristin Marie; Chincari, Matteo; Brunberg, Emma; Stubbs, Solveig Marie; Bratbergsengen, Kjell; Hvasshovd, Svein Olav; Zimmermann, Barbara; Lande, Unni Støbet; Grøva, Lise

Heart rate sensor validation and seasonal and diurnal variation of body temperature and heart rate in domestic sheep

Veterinary and Animal Science v. 8, 2019: p. 100075

DOI: 10.1016/j.vas.2019.100075

Keyword: Sheep; Bio logging; Body temperature; Heart rate; Sensor

No. 637

Amaral, Margarida D.; Beekman, Jeffrey M.

Activating alternative chloride channels to treat CF: Friends or Foes?: Report on the Meeting of the Basic Science Working Group in Dubrovnik, Croatia

Journal of Cystic Fibrosis v. , 2019: p.

DOI: 10.1016/j.jcf.2019.10.005

Keyword: Alternative Clchannels; Anoctamin 1; Basic science working group; Cystic fibrosis basic science; Meeting report; SLC26A9; TMEM16A

No. 639

Maharani, Dyah; Hariyono, Dwi N.H.; Putra, Daniel D.I.; Lee, Jun-Heon; Sidadolog, Jafendi H.P.

Phenotypic characterization of local female duck populations in Indonesia

Journal of Asia-Pacific Biodiversity v. 12, 2019: p. 508-514

DOI: 10.1016/j.japb.2019.07.004

Keyword: Local ducks; Phenotypic characterization; Qualitative traits; Quantitative traits

No. 634

Montes, Donicer E.; Braz, Camila U.; Ribeiro, André M.F.; Cavani, Lígia; Barbero, Marina M.D.; Albuquerque, Lucia G.; Curi, Rogério A.; Oliveira, Henrique N.

Selection signatures in candidate genes and QTL for reproductive traits in Nelore heifers

Animal Reproduction Science v. 207, 2019: p. 1-8

DOI: 10.1016/j.anireprosci.2019.06.004

Keyword: Beef cattle; Relative extended haplotype homozygosity; Sexual precocity; Single nucleotide polymorphisms

No. 636

Paskins, Matthew

History of science and its utopian reconstructions

Studies in History and Philosophy of Science Part A v. , 2019: p.

DOI: 10.1016/j.shpsa.2019.08.001

Keyword: Anthropocene; Feminist theory; Integration; Planning; Pluralism; Utopia

No. 638

Abdi, Reta Duguma; Kerro Dego, Oudessa

Antimicrobial activity of *Persicaria pensylvanica* extract against *Staphylococcus aureus*

European Journal of Integrative Medicine v. 29, 2019: p. 100921

DOI: 10.1016/j.eujim.2019.05.007

Keyword: Antimicrobial activity; Plant extract

No. 640

Wegner, Birte; Spiekermeier, Ines; Nienhoff, Hendrik; Große-Kleimann, Julia; Rohn, Karl; Meyer, Henning; Plate, Heiko; Gerhardt, Hubert; Kreienbrock, Lothar; grosse Beilage, Elisabeth; Kemper, Nicole; Fels, Michaela

Status quo analysis of noise levels in pig fattening units in Germany

Livestock Science v. 230, 2019: p. 103847

DOI: 10.1016/j.livsci.2019.103847

Keyword: Sound; Environment; Animal welfare; Pig; Health

No. 641

Jeon, Byoungjun; Kim, Mi Ok; Kim, Yun-soon; Han, Hyo-youn; Yun, Jang-Hyuk; Kim, Jungah; Huang, Yan; Choi, Yunhee; Cho, Chung-Hyun; Kang, Byeong-cheol; Kim, Sungwan; Choi, Tae Hyun
 Optimization and validation of a method to identify skin sensitization hazards using IL-1 α and IL-6 secretion from HaCaT
 Toxicology in Vitro v. 61, 2019 : p. 104589
 DOI: 10.1016/j.tiv.2019.104589

Keyword: Alternative to animal testing; HaCaT; LLNA; Proinflammatory cytokine; Sensitization; Validation study

No. 643

Smit, Judith A.H.; van Oers, Kees
 Personality types vary in their personal and social information use
 Animal Behaviour v. 151, 2019: p. 185-193
 DOI: 10.1016/j.anbehav.2019.02.002

Keyword: personality; personal information; sampling behaviour; social information; video

No. 645

da Silva, Aleksandro S.; Souza, Carine F.; Baldissera, Matheus D.; Von Laer, Ana Eucares; Lovato, Luciane T.; Sarturi, Janine A.; Herrmann, Geder P.; de Moura, Anderson B.; Favaretto, Jorge A.; Frias-De-Diego, Alba; Machado, Gustavo
 Relation of reproductive disturbance in sheep and *Leptospira interrogans* serovar Icterohaemorrhagiae infection: Impacts on cellular oxidation status
 Microbial Pathogenesis v. 130, 2019: p. 65-70
 DOI: 10.1016/j.micpath.2019.02.029

Keyword: Oxidative stress; Leptospirosis; Disease pathophysiology

No. 647

Gu, Tianle; Yu, Dandan; Fan, Yu; Wu, Yong; Yao, Yu-Lin; Xu, Ling; Yao, Yong-Gang
 Molecular identification and antiviral function of the guanylate-binding protein (GBP) genes in the Chinese tree shrew (*Tupaia belangeri* chinensis)
 Developmental & Comparative Immunology v. 96, 2019: p. 27-36
 DOI: 10.1016/j.dci.2019.02.014

Keyword: Tree shrew; Guanylate-binding protein; Innate immunity; Viral infection

No. 642

Kaidaorva, A.; Marengo, M.; Marinaro, G.; Gerald, N.R.; Wilson, R.; Duarte, C.M.; Kosel, J.
 Flexible, four-electrode conductivity cell for biologging applications
 Results in Materials v. 1, 2019: p. 100009
 DOI: 10.1016/j.rinma.2019.100009

Keyword: Conductivity cell; Flexible sensor; Graphene; Polyimide; Salinity

No. 644

Geiger, Sabine; Ozay, Emrah I.; Geumann, Ulf; Hereth, Marina K.; Magnusson, Terese; Shanthalingam, Sudarvili; Hirsch, Daniela; Kälin, Stefanie; Günther, Christine; Osborne, Barbara A.; Tew, Gregory N.; Hermann, Felix G.; Minter, Lisa M.
 Alpha-1 Antitrypsin-Expressing Mesenchymal Stromal Cells Confer a Long-Term Survival Benefit in a Mouse Model of Lethal GvHD
 Molecular Therapy v. 27, 2019: p. 1436-1451
 DOI: 10.1016/j.ymthe.2019.05.007

Keyword: alpha-1 antitrypsin; graft-versus-host disease; M2 macrophage; mesenchymal stem/stromal cell; PD-1; regulatory T cell

No. 646

Andreatti Filho, R.L.; Milbradt, E.L.; Okamoto, A.S.; Silva, T.M.; Vellano, I.H.B.; Gross, L.S.; Oro, C.S.; Hataka, A
 Salmonella Enteritidis infection, corticosterone levels, performance and egg quality in laying hens submitted to different methods of molting
 Poultry Science v. 98, 2019: p. 4416-4425
 DOI: 10.3382/ps/pez248

Keyword: laying hens; corticosterone; egg quality; Enteritidis; molt induction

No. 648

Ran, Xuhua; Cheng, Jiajia; Wang, Miaomiao; Chen, Xiaohong; Wang, Haoxian; Ge, Yu; Ni, Hongbo; Zhang, Xiao-Xuan; Wen, Xiaobo
 Brucellosis seroprevalence in dairy cattle in China during 2008–2018: A systematic review and meta-analysis
 Acta Tropica v. 189, 2019: p. 117-123
 DOI: 10.1016/j.actatropica.2018.10.002

Keyword: Prevalence; Brucellosis; Systematic review; Meta-analysis; Dairy cattle; China

No. 649

Mueller, M.L.; Cole, J.B.; Sonstegard, T.S.; Van Eenennaam, A.L.
 Comparison of gene editing versus conventional breeding to introgress the POLLED allele into the US dairy cattle population
 Journal of Dairy Science v. 102, 2019 : p. 4215-4226
 DOI: 10.3168/jds.2018-15892
Keyword: simulation; Holstein; Jersey; gene editing; polled

No. 650

Chen, Mingyue; Wang, Jing; Liu, Nuan; Cui, Wenbo; Dong, Wuzi; Xing, Baosong; Pan, Chuanying
 Pig SOX9: Expression profiles of Sertoli cell (SCs) and a functional 18 bp indel affecting testis weight
 Theriogenology v. 138, 2019: p. 94-101
 DOI: 10.1016/j.theriogenology.2019.07.008
Keyword: Reproduction; Indel; Sertoli cell (SC); Sex determining region Y-Box 9()

No. 651

Alipanahi, Z.; Fatahnia, F.; Jafari, H.; Taasoli, G.; Mirzaei-Alamouti, H.; Barrett, D.; Pormalekshahi, A.
 Effect of oak acorn with or without polyethylene glycol in diets containing extruded soybean on milk fatty acid profile, ruminal fermentation and plasma metabolites of lactating goats
 Livestock Science v. 221, 2019: p. 57-62
 DOI: 10.1016/j.livsci.2019.01.003
Keyword: Biohydrogenation; Heat processing; Human health; Milk fatty acid profile; Polyethylene glycol

No. 652

Li, Zhuanjian; Guo, Ruoting; Gu, Zhenzhen; Wang, Xiangnan; Wang, Yongcai; Xu, Huifen; Wang, Chunxiu; Liu, Xiaojun
 Identification of a promoter element mediating kisspeptin-induced increases in GnRH gene expression in sheep
 Gene v. 699, 2019: p. 1-7
 DOI: 10.1016/j.gene.2019.03.006
Keyword: Sheep; Promoter activity; Transcriptional regulation

No. 653

Al-Juhaimi, F.Y.; Alsawmahi, O.N.; Abdoun, K.A.; Ghafoor, K.; Babiker, E.E.
 Antioxidant potential of Moringa leaves for improvement of milk and serum quality of Aardi goats
 South African Journal of Botany v. , 2019: p.
 DOI: 10.1016/j.sajb.2019.03.022
Keyword: Milk; Serum; Vitamin C; Aardi goats; Antioxidant activity

No. 654

Ghassemi, Biti; Shamsara, Mehdi; Soleimani, Masoud; Kiani, Jafar; Rassoulzadegan, Minoo
 Pipeline for the generation of gene knockout mice using dual sgRNA CRISPR/Cas9-mediated gene editing
 Analytical Biochemistry v. 568, 2019: p. 31-40
 DOI: 10.1016/j.ab.2018.12.002
Keyword: CRISPR/Cas9; Animal model; Disease model; Gene knockout mouse; β -Thalassemia

No. 655

Liu, Dan; Yang, Yongqiang; Gu, Ju; Tuo, Hongmei; Li, Ping; Xie, Xianjun; Ma, Guang-xu; Liu, Jinxin; Zhang, Anyun
 The Yersinia high-pathogenicity island (HPI) carried by a new integrative and conjugative element (ICE) in a multidrug-resistant and hypervirulent Klebsiella pneumoniae strain SCs1
 Veterinary Microbiology v. 239, 2019: p. 108481
 DOI: 10.1016/j.vetmic.2019.108481
Keyword: Antibiotic resistance genes; Whole genome sequencing; Hypervirulent; Integrative and conjugative element (ICE); Virulence genes

No. 656

Qiu, Shuang; Wang, Shuying; Xiao, Chengfeng; Ge, Shijian
 Assessment of microalgae as a new feeding additive for fruit fly Drosophila melanogaster
 Science of The Total Environment v. 667, 2019: p. 455-463
 DOI: 10.1016/j.scitotenv.2019.02.414
Keyword: Animal feed; Food waste; Microalgae

No. 657

Leenaars, Cathalijn H.C.; Pels, Elmar G.M.; Joosten, Ruud N.J.M.A.; Ritskes-Hoitinga, Merel

Wistar rats do not show preference for either of two commonly used nutritionally sound food rewards in a T-maze

Journal of Veterinary Behavior v. 31, 2019 : p. 22-27

DOI: 10.1016/j.jveb.2019.01.007

Keyword: preference; food reward; pellet; positive reinforcement; t-maze

No. 658

Boyko, Matthew; Zvenigorodsky, Vladislav; Grinshpun, Julia; Shiyntum, Honore N.; Melamed, Israel; Kutz, Ruslan; Shelef, Ilan; Brotfain, Evgeni; Frank, Dmitry; Zlotnik, Alexander

Establishment of novel technical methods for evaluating brain edema and lesion volume in stroked rats: A standardization of measurement procedures

Brain Research v. 1718, 2019: p. 12-21

DOI: 10.1016/j.brainres.2019.04.022

Keyword: Animal model; Brain edema; Lesion volume; Magnetic resonance imaging; Stroke

No. 659

Abolhassani Targhi, Mohammad Vahid; Asgari Jafarabadi, Ghobad; Aminafshar, Mehdi; Emam Jomeh Kashan, Nasser

The effect of genotype imputation and some important factors on the accuracy of genomic prediction and its persistency over time

Gene Reports v. 16, 2019: p. 100425

DOI: 10.1016/j.genrep.2019.100425

Keyword: Genomic breeding values; Genomic selection; Marker; Reference population

No. 660

Uddin, Muhammad Jasim; Kaewmala, Kanokwan; Neuhoof, Christiane; Tesfaye, Dawit; Tholen, Ernst; Looft, Christian; Cinar, Mehmet Ulas; Schellander, Karl

Heterogeneous expression of Toll-like receptors genes in lymphoid tissues of different ages pigs

Gene Reports v. 15, 2019: p. 100401

DOI: 10.1016/j.genrep.2019.100401

Keyword: Protein; Pigs; Innate immunity; Lymphoid organ; mRNA

No. 661

Rozanova, Oksana L.; Tsurikov, Sergey M.; Tiunov, Alexei V.; Semenina, Eugenia E.

Arthropod rain in a temperate forest: Intensity and composition

Pedobiologia v. 75, 2019: p. 52-56

DOI: 10.1016/j.pedobi.2019.05.005

Keyword: Aboveground-belowground linkages; Arthropod frass; Arthropod rain; Crown fauna; Detrital food web; Soil animals

No. 662

da Rosa, Patrícia Pinto; Ávila, Bianca Pio; Costa, Pablo Tavares; Fluck, Ana Carolina; Scheibler, Rudolf Brand; Ferreira, Otoniel Geter Lauz; Gulate, Márcia Arocha

Analysis of the perception and behavior of consumers regarding capybara meat by means of exploratory methods

Meat Science v. 152, 2019: p. 81-87

DOI: 10.1016/j.meatsci.2019.02.011

Keyword: Consumer understanding; Marketing strategies; Wild meat; Word association

No. 663

Pereira, T.C.J.; Ribeiro, L.S.O.; Pires, A.J.V.; Pereira, M.L.A.; Santos, A.B.; Silva, H.G.de O.; de Carvalho, G.G.P.

Growth performance and apparent digestibility by goats fed diets with peach palm meal replacing maize

Applied Animal Science v. 35, 2019: p. 563-569

DOI: 10.15232/aas.2019-01874

Keyword: weight gain; alternative feedstuff; Bactris gasipaes; by-product; feedlot

No. 664

Campigotto, Gabriela; Gebert, Roger R.; Santos, Daiane S.; dos Reis, João H.; Alba, Davi F.; Cazarotto, Chrystian J.; Leal, Marta L.R.; Baldissera, Matheus D.; Lopes, Thalison F.; Druzian, Leticia T.; Morsch, Vera M.; Vedovatto, Marcelo; Da Silva, Aleksan

Effects of oral administration of copper capsules on helminth control in lactating dairy sheep: An effective alternative to replace conventional antiparasitics during lactation

Experimental Parasitology v. 205, 2019: p. 107735

DOI: 10.1016/j.exppara.2019.107735

Keyword: Acetylcholinesterase; Alternative treatment; Anemia; Anti-parasitic; Butyrylcholinesterase; Parasite control

No. 665

Jonsson, Nicholas N.; Kleen, Joachim L.; Wallace, R. John; Andonovic, Ivan; Michie, Craig; Farish, Marianne; Mitchell, Malcolm; Duthie, Carol-Anne; Jensen, Dan B.; Denwood, Matthew J.
 Evaluation of reticuloruminal pH measurements from individual cattle: Sampling strategies for the assessment of herd status
 The Veterinary Journal v. 243 , 2019 : p. 26-32
 DOI: 10.1016/j.tvjl.2018.11.006

Keyword: Diagnosis; Cattle; Acidosis; Bolus; Reticulorumen

No. 667

Monteschio, J  ssica O.; Vargas-Junior, Fernando M.; Almeida, Fernanda L.A.; Pinto, Laura A. de M.; Kaneko, Isabelle N.; Almeida, Alecsander A.; Freitas, Leonardo W.; Alves, Susana P.A.; Bessa, Rui J.B.; Prado, Ivanor N.
 The effect of encapsulated active principles (eugenol, thymol and vanillin) and clove and rosemary essential oils on the structure, collagen content, chemical composition and fatty acid profile of Nelore heifers muscle
 Meat Science v. 155, 2019: p. 27-35
 DOI: 10.1016/j.meatsci.2019.04.019

Keyword: Meat quality; Sarcomere length; Soluble collagen

No. 669

Kubota, Rie; Matsubara, Katsuki; Tamukai, Kenichi; Ike, Kazunori; Tokiwa, Toshihiro
 Molecular and histopathological features of Cryptosporidium ubiquitum infection in imported chinchillas Chinchilla lanigera in Japan
 Parasitology International v. 68, 2019: p. 9-13
 DOI: 10.1016/j.parint.2018.09.002

Keyword: Cryptosporidiosis; Emerging infectious disease; Multilocus sequence analysis; Subtype XIId; Zoonotic infection

No. 671

Cheng, Kang; Song, Zhihua; Li, Simian; Yan, Enfa; Zhang, Hao; Zhang, Lili; Wang, Chao; Wang, Tian
 Effects of resveratrol on intestinal oxidative status and inflammation in heat-stressed rats
 Journal of Thermal Biology v. 85, 2019: p. 102415
 DOI: 10.1016/j.jtherbio.2019.102415

Keyword: Inflammation; Rats; Heat stress; Resveratrol; Intestine; Oxidative status

No. 666

Wang, L.; Sun, H.Z.; Guan, L.L.; Liu, J.X.
 Short communication: Relationship of blood DNA methylation rate and milk performance in dairy cows
 Journal of Dairy Science v. 102, 2019: p. 5208-5211
 DOI: 10.3168/jds.2018-15869

Keyword: dairy cow; milk protein yield; blood DNA methylation; milk yield

No. 668

Niedzwiecka, Alicia; Boucharef, Lyes; Hahn, Sarah; Zarske, Michael; Steinhilber, Andreas; Poetz, Oliver; Zagon, Jutta; Seidler, Tassilo; Braeuning, Albert; Lampen, Alfonso
 A novel antibody-based enrichment and mass spectrometry approach for the detection of species-specific blood peptides in feed matrices
 Food Control v. 98, 2019: p. 141-149
 DOI: 10.1016/j.foodcont.2018.11.036

Keyword: Identification; Animal feed; Bovine; Mass spectrometry; Blood; Processed animal proteins

No. 670

Zhao, Zhanqin; Liao, Chengshui; Chang, Shikai; Ding, Ke; Liu, Zhijun; Xue, Yun
 NDM-1-producing Escherichia coli isolated from pigs induces persistent infection with limited pathogenicity
 Microbial Pathogenesis v. 135, 2019: p. 103620
 DOI: 10.1016/j.micpath.2019.103620

Keyword: Pig; China; NDM-1

No. 672

Labinaz, Alisha; Marbach, Jeffrey A.; Jung, Richard G.; Moreland, Robert; Motazedian, Pouya; Di Santo, Pietro; Clancy, Aisling A.; MacDonald, Zachary; Simard, Trevor; Hibbert, Benjamin; Ramirez, F. Daniel
 Female Authorship in Preclinical Cardiovascular Research: Temporal Trends and Influence on Experimental Design
 JACC: Basic to Translational Science v. 4, 2019: p. 471-477
 DOI: 10.1016/j.jacbs.2019.04.004

Keyword: cardiology; mentorship; translational research; women

No. 673

Liu, Chang; Feng, Hua; Liu, Yunchao; Chen, Yumei; Yang, Suzhen; Deng, Ruiguang; Zhang, Gaiping
Soluble FMDV VP1 proteins fused with calreticulin expressed in *Escherichia coli* under the assist of trigger factor16 (Tf16) formed into high immunogenic polymers
International Journal of Biological Macromolecules v. , 2019 : p.
DOI: 10.1016/j.ijbiomac.2019.11.130

Keyword: Immunogenicity; Calreticulin; FMDV; Polymers; Trigger factor 16; VP1 protein

No. 675

Wang, Yu-Jun; Jia, Gong-Xue; Yan, Rong-Ge; Guo, Song-Chang; Tian, Fei; Ma, Jian-Bin; Zhang, Rui-Na; Li, Cen; Zhang, Liang-Zhi; Du, Yu-Rong; Yang, Qi-En
Testosterone-retinoic acid signaling directs spermatogonial differentiation and seasonal spermatogenesis in the Plateau pika (*Ochotona curzoniae*)
Theriogenology v. 123, 2019: p. 74-82
DOI: 10.1016/j.theriogenology.2018.09.033

Keyword: Testosterone; Spermatogenesis; Melatonin; Retinoic acid; Seasonal reproduction

No. 677

Vouraki, Sotiria; Gelasakis, Athanasios I.; Ekateriniadou, Loukia V.; Banos, Georgios; Arsenos, Georgios
Impact of polymorphisms at the PRNP locus on the performance of dairy goats reared under low-input pastoral farming systems
Small Ruminant Research v. 174, 2019: p. 77-82
DOI: 10.1016/j.smallrumres.2019.03.014

Keyword: Performance; Breeding; Dairy goat; Low-input farming; Scrapie

No. 679

Carriquiriborde, Martín; Milocco, Silvana; Laborde, Juan Martín; Gentil, Florencia; Maschi, Fabricio; Principi, Guido; Rogers, Estela; Cagliada, María del Pilar; Ayala, Miguel Angel; Carbone, Cecilia
Microbiological contaminations of laboratory mice and rats in conventional facilities in Argentina
Revista Argentina de Microbiología v. , 2019: p.
DOI: 10.1016/j.ram.2019.05.003

Keyword: Mice; Rats; Contaminaciones; Contaminations; Facilities; Instalaciones; Ratas; Ratones

No. 674

Sonne, Christian; Alstrup, Aage K.O.
Using citizen science to speed up plastic collection and mapping of urban noise: Lessons learned from Denmark
Marine Pollution Bulletin v. 149, 2019: p. 110591
DOI: 10.1016/j.marpolbul.2019.110591

Keyword: Cans; Cigarette; Community; Environment health; Noise; Soundscape

No. 676

van Soest, F.J.S.; Mourits, M.C.M.; Blanco-Penedo, I.; Duval, J.; Fall, N.; Krieger, M.; Sjöström, K.; Hogeveen, H.
Farm-specific failure costs of production disorders in European organic dairy herds
Preventive Veterinary Medicine v. 168, 2019: p. 19-29
DOI: 10.1016/j.prevetmed.2019.03.029

Keyword: Mastitis; Animal health economics; Ketosis; Lameness; Metritis

No. 678

da Cruz, Valdecy Aparecida Rocha; Brito, Luiz F.; Schenkel, Flávio S.; de Oliveira, Hinayah Rojas; Jafarikia, Mohsen; Feng, Zheny
Strategies for within-litter selection of piglets using ultra-low density SNP panels
Livestock Science v. 220, 2019: p. 173-179
DOI: 10.1016/j.livsci.2018.12.027

Keyword: Genomic selection; Imputation accuracy; Low-density SNP panel; Swine genetics; Within-litter selection

No. 680

Ashton, Benjamin J.; Thornton, Alex; Ridley, Amanda R.
Larger group sizes facilitate the emergence and spread of innovations in a group-living bird
Animal Behaviour v. 158, 2019: p. 1-7
DOI: 10.1016/j.anbehav.2019.10.004

Keyword: animal innovation; group size; pool of competence hypothesis

No. 681

Pfitzer, Silke; Laubscher, Liesel; Meyer, Leith; Warren, Kristin; Vaughan-Higgins, Rebecca; Raath, Jacobus P.; Laurence, Michael
 Dose-effect study of the serotonin agonist R-8-OH-DPAT on opioid-induced respiratory depression in blesbok (*Damaliscus pygargus philipsi*) and impala (*Aepyceros melampus*)
Veterinary Anaesthesia and Analgesia v. 46 , 2019 : p. 796-806
 DOI: 10.1016/j.vaa.2019.06.006
Keyword: 8-OH-DPAT; etorphine; respiratory depression; wildlife immobilization

No. 683

Caspari, Gino; Donato, Simon; Jendryke, Michael
 Remote sensing and citizen science for assessing land use change in the Musandam (Oman)
Journal of Arid Environments v. 171, 2019: p. 104003
 DOI: 10.1016/j.jaridenv.2019.104003
Keyword: Citizen science; Climate change; Abandoned farms; Remote sensing; Ruggedness; Run-off agriculture

No. 685

Leckenby, Jonathan I.; Chacon, Miranda A.; Rolfe, Kerstin; Lichtman, Jeff W.; Grobbelaar, Adriaan O.
 Development of the interscutularis model as an outcome measure for facial nerve surgery
Annals of Anatomy - Anatomischer Anzeiger v. 223, 2019: p. 127-135
 DOI: 10.1016/j.aanat.2019.03.001
Keyword: Animal model; Anatomy; Ear movement; Facial palsy; Nerve; Outcome measure; Posterior auricular nerve

No. 687

Loftin, Christina M.; Donnett, Uri B.; Schneider, Liesel G.; Varela-Stokes, Andrea S.
 Prevalence of endoparasites in northern Mississippi shelter cats
Veterinary Parasitology: Regional Studies and Reports v. 18, 2019: p. 100322
 DOI: 10.1016/j.vprsr.2019.100322
Keyword: Public health; Zoonosis; Feline; Gastrointestinal parasites; Southeast; Urinary parasites

No. 682

Nord, Maria; Ranlund, Åsa; Gustafsson, Lena; Johansson, Victor; Pärt, Tomas; Forslund, Pär
 The effectiveness of area protection to capture coastal bird richness and occurrence in the Swedish archipelago
Global Ecology and Conservation v. 17, 2019: p. e00528
 DOI: 10.1016/j.gecco.2019.e00528
Keyword: Animal sanctuaries; Area protection; Coastal breeding birds; Human exploitation; Nature reserves; Rarity-weighted richness

No. 684

Xu, Xuan; Mazloom, Reza; Goligerdian, Arash; Staley, Joshua; Amini, Mohammadhossein; Wyckoff, Gerald J.; Riviere, Jim; Jaber-Douraki, Majid
 Making Sense of Pharmacovigilance and Drug Adverse Event Reporting: Comparative Similarity Association Analysis Using AI Machine Learning Algorithms in Dogs and Cats
Topics in Companion Animal Medicine v. 37, 2019: p. 100366
 DOI: 10.1016/j.tcam.2019.100366
Keyword: companion animals; artificial intelligence; drug adverse events; graphical LASSO; pharmacovigilance machine learning algorithms; similarity association

No. 686

Lin, Wencheng; Shao, Yangyang; Tan, Chen; Shen, Yong; Zhang, Xinheng; Xiao, Junfang; Wu, Yuting; He, Lili; Shao, Guanming; Han, Mingzhen; Wang, Huan; Ma, Jingyun; Xie, Qingmei
 Commercial vaccine against pseudorabies virus: A hidden health risk for dogs
Veterinary Microbiology v. 233, 2019: p. 102-112
 DOI: 10.1016/j.vetmic.2019.04.031
Keyword: Vaccine; Pathogenicity; Dog; PRV

No. 688

Choudhary, Mamta; Choudhary, Binod Kumar; Chandra Ghosh, Ratan; Bhojar, Smita; Chaudhari, Sandeep; Barbuddhe, Sukhadeo B.
 Cultivable microbiota and pulmonary lesions in polymicrobial bovine pneumonia
Microbial Pathogenesis v. 134, 2019: p. 103577
 DOI: 10.1016/j.micpath.2019.103577
Keyword: Haemorrhagic septicaemia; Bovine pneumonia; Bovine respiratory disease; Emerging pathogens; Pneumonic pasteurellosis; Polymicrobial pneumonia

No. 689

Korver, D.R.; Angel, C.R.

Informal nutrition symposium: critical update on net energy research and implementation status in poultry

Journal of Applied Poultry Research v. 28 , 2019 : p. 497-498

DOI: 10.3382/japr/pfz022

Keyword: poultry; amino acids; bioassays; energy systems; metabolizable energy; net energy

No. 690

Zhang, Yawen; Gou, Wenyu; Zhang, Ying; Zhang, Hao; Wu, Changxin

Insights into hypoxic adaptation in Tibetan chicken embryos from comparative proteomics

Comparative Biochemistry and Physiology Part D: Genomics and Proteomics v. 31, 2019: p. 100602

DOI: 10.1016/j.cbd.2019.100602

Keyword: Hypoxic adaptation; iTRAQ; Proteome; Tibetan chicken

No. 691

An, Yang; Xing, Houjuan; Zhang, Yu; Jia, Pengcheng; Gu, Xianhong; Teng, Xiaohua

The evaluation of potential immunotoxicity induced by environmental pollutant ammonia in broilers

Poultry Science v. 98, 2019: p. 3165-3175

DOI: 10.3382/ps/pez135

Keyword: ammonia; compensatory response of HSPs; inflammatory damage; miRNAs; Th1/Th2 imbalance

No. 692

Liu, Yang-zhi; Chen, Xue; Zhao, Wei; Lang, Min; Zhang, Xue-feng; Wang, Tao; Farouk, Mohammed Hamdy; Zhen, Yu-guo; Qin, Gui-xin

Effects of yeast culture supplementation and the ratio of non-structural carbohydrate to fat on rumen fermentation parameters and bacterial-community composition in sheep

Animal Feed Science and Technology v. 249, 2019: p. 62-75

DOI: 10.1016/j.anifeedsci.2019.02.003

Keyword: Sheep; Bacterial-community composition; Ratio of non-structural carbohydrate to fat; Rumen fermentation parameters; Yeast culture

No. 693

Yang, Hong; Rehman, Mujeeb Ur; Zhang, Shaiqiu; Yang, Jing; Li, Yinqi; Gao, Jinhai; Gu, Lihong; Wang, Mingshu; Jia, Renyong; Chen, Shun; Liu, Mafeng; Zhu, Dekang; Zhao, Xinxin; Wu, Ying; Yang, Qiao; Huan, Juan; Zhang, Ling; Liu, Yunya; Tian, Bin; Pan, Leich

High prevalence of CTX-M belonging to ST410 and ST889 among ESBL producing E. coli isolates from waterfowl birds in China's tropical island, Hainan

Acta Tropica v. 194, 2019: p. 30-35

DOI: 10.1016/j.actatropica.2019.03.008

Keyword: ESBL; CTX-M; MLST

No. 694

Tang, Qian; Huang, Kai; Liu, Junze; Wu, Sheng; Shen, Dan; Dai, Pengyuan; Li, Chunmei

Fine particulate matter from pig house induced immune response by activating TLR4/MAPK/NF-κB pathway and NLRP3 inflammasome in alveolar macrophages

Chemosphere v. 236, 2019: p. 124373

DOI: 10.1016/j.chemosphere.2019.124373

Keyword: Oxidative stress; Alveolar macrophages; Endotoxin; Pig house; PM

No. 695

McCurdy, D.E.; Wilkins, K.R.; Hiltz, R.L.; Moreland, S.; Klanderman, K.; Laarman, A.H.

Effects of supplemental butyrate and weaning on rumen fermentation in Holstein calves

Journal of Dairy Science v. 102, 2019: p. 8874-8882

DOI: 10.3168/jds.2019-16652

Keyword: butyrate; dairy calf; rumen pH; weaning

No. 696

Imai, Kaoru S.; Kobayashi, Kenji; Kari, Willi; Rothbacher, Ute; Ookubo, Naoki; Oda-Ishii, Izumi; Satou, Yutaka

Gata is ubiquitously required for the earliest zygotic gene transcription in the ascidian embryo

Developmental Biology v. , 2019: p.

DOI: 10.1016/j.ydbio.2019.11.009

Keyword: Ascidian; Gata; Tcf7; Zygotic gene expression; β-catenin

No. 697

Backer, Lorraine C.; Bolton, Birgit; Litz, Jenny A.; Trevillian, Jennifer; Kieszak, Stephanie; Kucklick, John
 Environmental contaminants in coastal populations: Comparisons with the National Health and Nutrition Examination Survey (NHANES) and resident dolphins
 Science of The Total Environment v. 696 , 2019 : p. 134041
 DOI: 10.1016/j.scitotenv.2019.134041
Keyword: Sentinel animals; Biomonitoring; Marine mammals; Ocean toxins

No. 698

Seddighfar, Masoud; Ghasemzadeh, Zahra; Rezayof, Ameneh
 The blockade of 5-HT1A receptors in the ventral tegmental area inhibited morphine/dextromethorphan-induced analgesia in pain rat models
 Brain Research v. 1715, 2019: p. 27-34
 DOI: 10.1016/j.brainres.2019.03.018
Keyword: Morphine; Analgesia; Dextromethorphan; Rat(s); S-WAY100-135; Ventral tegmental area

No. 699

Drucker, Natalie A.; te Winkel, Jan P.; Shelley, W. Christopher; Olson, Kenneth R.; Markel, Troy A.
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 Journal of Pediatric Surgery v. 54, 2019: p. 1168-1173
 DOI: 10.1016/j.jpedsurg.2019.02.037
Keyword: Animal model; Intestine; Hydrogen sulfide; Necrotizing enterocolitis; Umbilical stromal cell

No. 700

Fortuoso, Bruno F.; dos Reis, João H.; Gebert, Roger R.; Barreta, Mauricio; Griss, Luiz Gustavo; Casagrande, Renata A.; de Cristo, Thierry G.; Santiani, Fábio; Campigotto, Gabriela; Rampazzo, Luana; Stefani, Lenita M.; Boiago, Marcel M.; Lopes, Leonardo Q
 Glycerol monolaurate in the diet of broiler chickens replacing conventional antimicrobials: Impact on health, performance and meat quality
 Microbial Pathogenesis v. 129, 2019: p. 161-167
 DOI: 10.1016/j.micpath.2019.02.005
Keyword: Performance; Poultry; Antibiotic; Bacteria; Coccidiostatic effect

No. 701

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 Transcriptome profiles of corticosterone-induced cytotoxicity reveals the involvement of neurite growth-related genes in depression
 Psychiatry Research v. 276, 2019: p. 79-86
 DOI: 10.1016/j.psychres.2019.04.017
Keyword: Animal model of depression; C-type natriuretic peptide (); Calpain 2; PC12 cells; Vesicle-associated membrane protein 7 (

No. 702

Adamík, Peter; Poledník, Lukáš; Poledníková, Kateřina; Romportl, Dušan
 Mapping an elusive arboreal rodent: Combining nocturnal acoustic surveys and citizen science data extends the known distribution of the edible dormouse (*Glis glis*) in the Czech Republic
 Mammalian Biology v. 99, 2019: p. 12-18
 DOI: 10.1016/j.mambio.2019.09.011
Keyword: Acoustic survey; Distribution; Fat dormouse; Nocturnal survey; Species distribution model

No. 703

Govindappa, Prem Kumar; Gautam, Vidhi; Tripathi, Syamantak Mani; Sahni, Yash Pal; Raghavendra, Hallur Lakshmana Shetty
 Effect of Withania somnifera on gentamicin induced renal lesions in rats
 Revista Brasileira de Farmacognosia v. 29, 2019: p. 234-240
 DOI: 10.1016/j.bjp.2018.12.005
Keyword: Antioxidant; Nephrotoxicity; Gentamicin; Nephroprotective and nephrocurative

No. 704

Rodrigues, Caio Henrique Pinke; Bruni, Aline Thaís
 In silico toxicity as a tool for harm reduction: A study of new psychoactive amphetamines and cathinones in the context of criminal science
 Science & Justice v. 59, 2019: p. 234-247
 DOI: 10.1016/j.scijus.2018.11.006
Keyword:

No. 705

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 Estimation of additive and non-additive genetic variances of body weight in crossbreed populations of the Japanese quail
 Poultry Science v. 98, 2019 : p. 46-55
 DOI: 10.3382/ps/pey357

Keyword: Gibbs sampling; dominance; heritability; quail strain

No. 706

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 Teaching and Teacher Education v. 85, 2019: p. 148-159
 DOI: 10.1016/j.tate.2019.05.004

Keyword: Professional development; Computer science education; Electronic-textiles; Experienced teachers; Transformative learning

No. 707

da Costa, Diego Figueiredo; de Faria, Pedro Jorge Álvares; Nogueira, Denise Batista; de Oliveira Tolentino, Laura Honório; Viana, Maira Pôrto; da Silva, José Devedê; de Melo Vaz, Antônio Fernando; dos Santos Higino, Severino Silvano; de Azevedo, Sergio Sa
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 Heliyon v. 5, 2019: p. e02720
 DOI: 10.1016/j.heliyon.2019.e02720

Keyword: Agriculture; Microbiology; Environmental science; Leptospirosis; Breeds; Conjunctival route; Intraperitoneal route; Santa Inês

No. 708

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 Genetic and non-genetic analysis of lamb survival in Sangsari sheep by gibbs sampling method
 Small Ruminant Research v. 177, 2019: p. 56-60
 DOI: 10.1016/j.smallrumres.2019.06.013

Keyword: Heritability; Sheep; Censored data; Hazard rate; Lamb mortality

No. 709

López-Colom, Paola; Yu, Kuai; Barba-Vidal, Emili; Saco, Yolanda; Martín-Orúe, Susana M.; Castillejos, Lorena; Solà-Oriol, David; Bassols, Anna
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 Research in Veterinary Science v. 124, 2019: p. 426-432
 DOI: 10.1016/j.rvsc.2019.05.004

Keyword: Biomarker; Pig; Diarrhoea; Gut Integrity; Weaning

No. 710

Busato, Sebastiano; Mezzetti, Matteo; Logan, Paul; Aguilera, Nicolas; Bionaz, Massimo
 What's the norm in normalization? A frightening note on the use of RT-qPCR in the livestock science
 Gene: X v. 1, 2019: p. 100003
 DOI: 10.1016/j.gene.2018.100003

Keyword: Livestock; Gene expression; Normalization; RT-qPCR

No. 711

Torabi, Mona; Azizi, Hossein; Ahmadi-Soleimani, S. Mohammad; Rezayof, Ameneh
 Adolescent nicotine challenge promotes the future vulnerability to opioid addiction: Involvement of lateral paraventricular neurons
 Life Sciences v. 234, 2019: p. 116784
 DOI: 10.1016/j.lfs.2019.116784

Keyword: Nicotine; Adolescence; LPGi; Morphine tolerance; Morphine withdrawal; Single unit recording

No. 712

Borrachero, Ana Belén; Brígido, María; Dávila, María Antonia; Costillo, Emilio; Cañada, Florentina; Mellado, Vicente
 Improving the self-regulation in prospective science teachers: the case of the calculus of the period of a simple pendulum
 Heliyon v. 5, 2019: p. e02827
 DOI: 10.1016/j.heliyon.2019.e02827

Keyword: Education; Science; Emotions; Practical work; Prospective secondary teachers; Simple pendulum

No. 713

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Exploring horse owners' and caretakers' perceptions of emotions and associated behaviors in horses
Journal of Veterinary Behavior v. 29 , 2019 : p. 18-24
DOI: 10.1016/j.jveb.2018.10.002
Keyword: animal welfare; behavior; affective states; animal sentience; belief in animal mind

No. 714

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Effect of dietary glutathione supplementation on the immune responses and the fatty acid and amino acid composition in Chinese mitten crab, *Eriocheir sinensis*
Aquaculture Reports v. 15, 2019: p. 100217
DOI: 10.1016/j.aqrep.2019.100217
Keyword: Fatty acid composition; Amino acid composition; Dietary glutathione (GSH); Non-specific immune

No. 715

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High-density genome-wide association study for residual feed intake in Holstein dairy cattle
Journal of Dairy Science v. 102, 2019: p. 11067-11080
DOI: 10.3168/jds.2019-16645
Keyword: feed efficiency; dairy cow; enrichment analysis; genome-wide association study

No. 716

Maleko, David; Mwilawa, Angello; Msalya, George; Pasape, Liliane; Mtei, Kelvin
Forage growth, yield and nutritional characteristics of four varieties of napier grass (*Pennisetum purpureum* Schumacher) in the west Usambara highlands, Tanzania
Scientific African v. 6, 2019: p. e00214
DOI: 10.1016/j.sciaf.2019.e00214
Keyword: Napier grass; Forage quality; Forage yield; Kakamega 2; Lushoto; Ouma

No. 717

Fröbel, L.K.; Jalukar, S.; Laverigne, T.A.; Lee, J.T.; Duong, T.
Administration of dietary prebiotics improves growth performance and reduces pathogen colonization in broiler chickens
Poultry Science v. 98, 2019: p. 6668-6676
DOI: 10.3382/ps/pez537
Keyword: dietary prebiotics; refined functional carbohydrates

No. 718

Assana, Emmanuel; Awah-Ndukum, Julius; Djonmaïlla, Justin D.; Zoli, André Pagnah
Prevalence of porcine *Taenia solium* and *Taenia hydatigena* cysticercosis in Cameroon
Preventive Veterinary Medicine v. 169, 2019: p. 104690
DOI: 10.1016/j.prevetmed.2019.104690
Keyword: Pig; Cameroon; co-Infection; Immunodiagnosis

No. 719

Hubbard, Amanda J.; Carstens, Gordon C.; Forehand, Lydia; Daigle, Courtney L.
The Bovine Zero Maze: Development of a novel fear test for cattle
Applied Animal Behaviour Science v. 221, 2019: p. 104865
DOI: 10.1016/j.applanim.2019.104865
Keyword: Behavior; Cattle; Anxiety; Fear; Zero Maze

No. 720

Steele, N.M.; Dicke, A.; De Vries, A.; Lacy-Hulbert, S.J.; Liebe, D.; White, R.R.; Petersson-Wolfe, C.S.
Identifying gram-negative and gram-positive clinical mastitis using daily milk component and behavioral sensor data
Journal of Dairy Science v. , 2019: p.
DOI: 10.3168/jds.2019-16742
Keyword: pathogen type; sensor data; slope change

No. 721

Hall, L. Malcolm; Collins, Catherine; Collet, Bertrand

The potential benefits of repeated measure experiments for fish disease-challenge host-pathogen investigations

Fish & Shellfish Immunology v. 85 , 2019 : p. 126-131

DOI: 10.1016/j.fsi.2018.01.033

Keyword: 3Rs; Animal experimentation; Replacement, reduction and refinement

No. 722

Santos, Vitor Hugo Dos; Pfeifer, João Pedro Hübbe; Souza, Jaqueline Brandão De; Stievani, Fernanda De Castro; Hussni, Carlos Alberto; Golim, Marjorie De Assis; Deffune, Elenice; Alves, Ana Liz Garcia
Evaluation of alginate hydrogel encapsulated mesenchymal stem cell migration in horses

Research in Veterinary Science v. 124, 2019: p. 38-45

DOI: 10.1016/j.rvsc.2019.02.005

Keyword: Tracking; Horse; Tissue engineering; Cartilage; Quantum dots; Scaffold

No. 723

Marescotti, Maria Elena; Caputo, Vincenzina; Demartini, Eugenio; Gaviglio, Anna

Discovering market segments for hunted wild game meat

Meat Science v. 149, 2019: p. 163-176

DOI: 10.1016/j.meatsci.2018.11.019

Keyword: Cluster analysis; Hunting; Consumer segmentation; Hunted wild game meat; Italian consumer

No. 724

Scherpenhuizen, J.M.; Narayan, E.J.; Quinn, J.C.

Timed environmental exposure indicates sample stability for reliable noninvasive measurement of fecal cortisol metabolite concentrations in sheep

Domestic Animal Endocrinology v. , 2019: p. 106423

DOI: 10.1016/j.domaniend.2019.106423

Keyword: Sheep; Stress; Environmental exposure; Fecal cortisol metabolite; Noninvasive; Welfare

No. 725

Mariani, Luiza P.R.; Sampaio, Flávia; Silveira, Andressa B.; Bastos, Luis F.; Weber, Saulo H.; Michelotto, Pedro V.

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Journal of Acupuncture and Meridian Studies v. 12, 2019: p. 151-159

DOI: 10.1016/j.jams.2019.06.001

Keyword: acupuncture; equine; horse; radiography; ultrasonography

No. 726

Hajalizadeh, Z.; Dayani, O.; Khezri, A.; Tahmasbi, R.; Mohammadabadi, M.R.

The effect of adding fennel (*Foeniculum vulgare*) seed powder to the diet of fattening lambs on performance, carcass characteristics and liver enzymes

Small Ruminant Research v. 175, 2019: p. 72-77

DOI: 10.1016/j.smallrumres.2019.04.011

Keyword: Performance; Carcass; Testosterone; Lambs; Fennel seed; Liver enzymes

No. 727

Chagas, Thales Quintão; da Silva Alvarez, Tenilce Gabriela; Montalvão, Mateus Flores; Mesak, Carlos; Rocha, Thiago Lopes; da Costa Araújo, Amanda Pereira; Malafaia, Guilherme

Behavioral toxicity of tannery effluent in zebrafish (*Danio rerio*) used as model system

Science of The Total Environment v. 685, 2019: p. 923-933

DOI: 10.1016/j.scitotenv.2019.06.253

Keyword: Animal behavior; Agroindustry effluents; Aquatic pollution; Fish; Neurotoxicity biomarkers

No. 728

Banadyga, Logan; Schiffman, Zachary; He, Shihua; Qiu, Xiangguo

Virus inoculation and treatment regimens for evaluating anti-filovirus monoclonal antibody efficacy in vivo

Biosafety and Health v. 1, 2019: p. 6-13

DOI: 10.1016/j.bsheal.2019.02.004

Keyword: Animal model; Ebola virus; Filovirus; Marburg virus; Monoclonal antibodies; Therapeutics

No. 729

Yue, Meishan; Fan, Xiaorui; Liu, Yihui; Yue, Weidong; Ren, Gaoya; Zhang, Jingwen; Zhang, Xinrong; Li, Qinghong; He, Junping
Effects of body temperature on the expression and localization of meiosis-related proteins STRA8 and SCP3 in boar testes
Acta Histochemica v. 121, 2019 : p. 718-723
DOI: 10.1016/j.acthis.2019.06.007

Keyword: Boars; Cryptorchidism; Meiosis; SCP3; STRA8; Testes

No. 730

Mueller, Marcus A.; Drake, David; Allen, Maximilian L.
Using citizen science to inform urban canid management
Landscape and Urban Planning v. 189, 2019: p. 362-371
DOI: 10.1016/j.landurbplan.2019.04.023

Keyword: Citizen science; Red fox; Coyote; INaturalist

No. 731

Eftimov, Tome; Ispirova, Gordana; Potočnik, Doris; Ogrinc, Nives; Koroušić Seljak, Barbara
ISO-FOOD ontology: A formal representation of the knowledge within the domain of isotopes for food science
Food Chemistry v. 277, 2019: p. 382-390
DOI: 10.1016/j.foodchem.2018.10.118

Keyword: ISO-FOOD ontology; Isotopic data; Ontology development; Semantic web

No. 732

Cota, João Bettencourt; Silva, Vanessa Ferreira da; Chambel, Lélia; Veloso, Maria Gabriela; Vieira-Pinto, Madalena; Oliveira, Manuela
Pheno and genotyping of Salmonella from slaughtered pigs in a Portuguese abattoir reveal differential persistence ability
Veterinary Microbiology v. 239, 2019: p. 108457
DOI: 10.1016/j.vetmic.2019.108457

Keyword: Carcass; Contamination; PFGE; Pork; Slaughterhouse

No. 733

Czycholl, Irena; Menke, Stina; Straßburg, Carolin; Krieter, Joachim
Reliability of different behavioural tests for growing pigs on-farm
Applied Animal Behaviour Science v. 213, 2019: p. 65-73
DOI: 10.1016/j.applanim.2019.02.004

Keyword: Reliability; Animal welfare assessment; Behavioural tests; Growing pigs; On-farm

No. 734

Alapala Demirhan, Sibel
Sheep farming business in Uşak city of Turkey: Economic structure, problems and solutions
Saudi Journal of Biological Sciences v. 26, 2019: p. 352-356
DOI: 10.1016/j.sjbs.2018.10.004

Keyword: Problems; Questionnaire; Sheep raising; Structural features; The city of Uşak

No. 735

Matear, Liam; Robbins, James R.; Hale, Michelle; Potts, Jonathan
Cetacean biodiversity in the Bay of Biscay: Suggestions for environmental protection derived from citizen science data
Marine Policy v. 109, 2019: p. 103672
DOI: 10.1016/j.marpol.2019.103672

Keyword: Citizen science; Bay of Biscay; Cetacean; Conservation management; IMMA; MPA

No. 736

Bautista, Cristhian Reynaldo Gomez; Santos, Ingrid Valadares dos; Moraes, Renata Mendonça; Chiba, Fernando Yamamoto; Sumida, Doris Hissako; Moraes, Michele Bianchi de; Vasconcellos, Luana Marotta Reis de; Anbinder, Ana Lia
Sitagliptin's effects on bone tissue and osseointegration in diabetic rats
Archives of Oral Biology v. 102, 2019: p. 238-243
DOI: 10.1016/j.archoralbio.2019.04.018

Keyword: Dipeptidyl peptidase 4; Implants; Incretins

No. 737

Alves, Lucas Aquino; Denardin, Luiz Gustavo de Oliveira; Martins, Amanda Posselt; Anghinoni, Ibanor; Carvalho, Paulo César de Faccio; Tiecher, Tales

Soil acidification and P, K, Ca and Mg budget as affected by sheep grazing and crop rotation in a long-term integrated crop-livestock system in southern Brazil

Geoderma v. 351, 2019 : p. 197-208

DOI: 10.1016/j.geoderma.2019.04.036

Keyword: Grazing intensity; No-tillage; Nutrient budget; Stocking method; Subtropical soil

No. 738

Perin, Gessica; Baldissera, Matheus D.; Jaguezski, Antonise M.; Crecencio, Regiane B.; Stefani, Lenita M.; Gris, Anderson; Mendes, Ricardo E.; Souza, Carine F.; Dalzuk, Vanessa; da Silva, Aleksandro S.

Involvement of the phosphoryl transfer network on cardiac energetic metabolism during *Staphylococcus aureus* infection and its association to disease pathophysiology

Microbial Pathogenesis v. 126, 2019: p. 318-322

DOI: 10.1016/j.micpath.2018.11.011

Keyword: Creatine kinase; Bacterial disease; Disease pathogenesis; Heart; Phosphotransfer network

No. 739

Bestelmeyer, Brandon T.; Burkett, Laura M.; Lister, Leticia; Brown, Joel R.; Schooley, Robert L.

Collaborative Approaches to Strengthen the Role of Science in Rangeland Conservation

Rangelands v. 41, 2019: p. 218-226

DOI: 10.1016/j.rala.2019.08.001

Keyword: Monitoring; Brush management; Collaborative adaptive management; Ecological sites; State transition models

No. 740

Moreira, Thiago Rocha; Sarturi, Cristiane; Stelmachtchuk, Felipe Nascimento; Andersson, Emelie; Norlander, Emma; de Oliveira, Francisco Leonardo Costa; Machado Portela, Juliana; Marcili, Arlei; Emanuelson, Ulf; Gennari, Solange Maria; Minervino, Antonio H

Prevalence of antibodies against *Toxoplasma gondii* and *Neospora* spp. in equids of Western Pará, Brazil

Acta Tropica v. 189, 2019: p. 39-45

DOI: 10.1016/j.actatropica.2018.09.023

Keyword: Seroprevalence; Brazil; Equids; Neospora; Toxoplasma

No. 741

Zou, X; Ji, J; Qu, H; Wang, J; Shu, D.M.; Wang, Y; Liu, T.F.; Li, Y; Luo, C.L.

Effects of sodium butyrate on intestinal health and gut microbiota composition during intestinal inflammation progression in broilers

Poultry Science v. 98, 2019: p. 4449-4456

DOI: 10.3382/ps/pez279

Keyword: broiler; intestinal inflammation; microbiota composition; sodium butyrate

No. 742

Rocha, Martha S.T.; Lucci, Carolina M.; dos Santos, Jairo A.M.; Longo, João Paulo F.; Muehlmann, Luis Alexandre; Azevedo, Ricardo B.

Photodynamic therapy for cutaneous hemangiosarcoma in dogs

Photodiagnosis and Photodynamic Therapy v. 27, 2019: p. 39-43

DOI: 10.1016/j.pdpdt.2019.05.026

Keyword: Nanoemulsion; Animal cancer treatment; Canines; Hemangiosarcoma; HSA; Nanotechnology; PDT; Photodynamic Therapy; Veterinary oncology

No. 743

Zhang, S.; Shen, Y.R.; Wu, S.; Xiao, Y.Q.; He, Q.; Shi, S.R.

The dietary combination of essential oils and organic acids reduces *Salmonella enteritidis* in challenged chicks

Poultry Science v. 98, 2019: p. 6349-6355

DOI: 10.3382/ps/pez457

Keyword: chicken; Enteritidis; bacterial count; essential oils and organic acids; serum index

No. 744

Gallego, Franciane Quintanilha; Miranda, Carolina Abreu; Sinzato, Yuri Karen; Iessi, Isabela Lovizutto; Dallaqua, Bruna; Pando, Rogelio Hernandez; Rocha, Noeme Sousa; Volpato, Gustavo Tadeu; Damasceno, Débora Cristina

Temporal analysis of distribution pattern of islet cells and antioxidant enzymes for diabetes onset in postnatal critical development window in rats

Life Sciences v. 226, 2019: p. 57-67

DOI: 10.1016/j.lfs.2019.03.061

Keyword: Oxidative stress; Rats; Insulin; Glucagon; Somatostatin

No. 745

Yao, Ping-Ping; Miao, Zi-Ping; Xu, Fang; Lu, Hang-Jing; Sun, Yi-Sheng; Xia, Yong; Chen, Chen; Yang, Zhang-Nv; Xia, Shi-Chang; Jiang, Jian-min; Hu, Chong-Gao; Mao, Zi-An; Gao, Meng; Xu, Zhi-Yao; Ying, Han-ning; Yao, Chen-hui; Zhu, Zhi-Yong; Zhu, Han-Ping;

An adult gerbil model for evaluating potential coxsackievirus A16 vaccine candidates

Vaccine v. 37 , 2019 : p. 5341-5349

DOI: 10.1016/j.vaccine.2019.07.046

Keyword: Animal model; Coxsackievirus A16; Gerbils; Inactivated vaccine

No. 746

Han, Sang-Soo; Jin, Zhen; Lee, Byoung-Seok; Han, Ji-Seok; Choi, Jong-Jin; Park, Soon-Jung; Chung, Hyung-Min; Mukhtar, Anthony Safaa; Moon, Sung-Hwan; Kang, Sun-Woong

Reproducible hindlimb ischemia model based on photochemically induced thrombosis to evaluate angiogenic effects

Microvascular Research v. 126, 2019: p. 103912

DOI: 10.1016/j.mvr.2019.103912

Keyword: Animal model; Critical limb ischemia; Erythrosin B; Ligation; Photochemically induced thrombosis

No. 747

Putz, E.J.; Eder, J.M.; Reinhardt, T.A.; Sacco, R.E.; Casas, E.; Lippolis, J.D. Differential phenotype of immune cells in blood and milk following pegylated granulocyte colony-stimulating factor therapy during a chronic Staphylococcus aureus infection in lactating Holsteins

Journal of Dairy Science v. 102, 2019: p. 9268-9284

DOI: 10.3168/jds.2019-16448

Keyword: mastitis; chronic; granulocyte colony-stimulating factor; L-selectin; myeloperoxidase

No. 748

Fages, Antoine; Hanghøj, Kristian; Khan, Naveed; Gaunitz, Charleen; Seguin-Orlando, Andaine; Leonardi, Michela; McCrory Constantz, Christian; Gamba, Cristina; Al-Rasheid, Khaled A.S.; Albizuri, Silvia; Alfarhan, Ahmed H.; Allentoft, Morten; Alquraishi, Sa

Tracking Five Millennia of Horse Management with Extensive Ancient Genome Time Series

Cell v. 177, 2019: p. 1419-1435.e31

DOI: 10.1016/j.cell.2019.03.049

Keyword: management; horses; ancient DNA; animal breeding; diversity; domestication; equestrian civilizations; extinct lineages; mules; selection

No. 749

Damazio Pacheco, Felipe; Canever, Lara; Antunes Mastella, Gustavo; Gomes Wessler, Patricia; Kunz Godoi, Amanda; Hubbe, Isabela; da Costa Afonso, Arlindo; Celso, Danielle; Quevedo, João; Ioppi Zugno, Alexandra Effects of ketamine on prepubertal Wistar rats: Implications on behavioral parameters for Childhood-Onset Schizophrenia

International Journal of Developmental Neuroscience v. 79, 2019: p. 49-53

DOI: 10.1016/j.ijdevneu.2019.10.006

Keyword: Childhood; Schizophrenia; Ketamine; Behavioral

No. 750

Yi, Xianfeng; Yang, Yueqin; Zhang, Mingming

Cache placement near nests by a multiple-prey loader, the Siberian chipmunk

Animal Behaviour v. 155, 2019: p. 1-8

DOI: 10.1016/j.anbehav.2019.06.024

Keyword: larder hoarding; multiple load; nest area; scatter hoarding; Siberian chipmunk

No. 751

Ye, Chen-Jun; Li, Sheng-An; Zhang, Yun; Lee, Wen-Hui

Geraniol targets KV1.3 ion channel and exhibits anti-inflammatory activity in vitro and in vivo

Fitoterapia v. 139, 2019: p. 104394

DOI: 10.1016/j.fitote.2019.104394

Keyword: Psoriasis; Autoimmune diseases; Geraniol; K1.3; Monoterpenes

No. 752

Kere, Odero Joseph; Joseph, Erume; Jessika, Banda Liveness; Maina, Kagira John

Prevalence and monetary loss due to cystic Echinococcosis in slaughter house livestock: A case study of Migori County, Kenya

Parasite Epidemiology and Control v. 5, 2019: p. e00105

DOI: 10.1016/j.parepi.2019.e00105

Keyword: Prevalence; Zoonosis; Cystic Echinococcosis; Migori County-Kenya; Monetary loss

No. 753

Holtcamp, Alexander J.; Sukumaran, Anuraj T.; Schnedler, Abigail E.; McClenton, Brandon J.; Kunze, Emery; Calkins, Chris R.; Karisch, Brandi B.; Burnett, Derris D.; Dinh, Thu T.N.
Effects of feeding endophyte-infected tall fescue seeds to stocker Angus steers on retail quality attributes of beef strip steaks
Meat Science v. 149 , 2019 : p. 31-39
DOI: 10.1016/j.meatsci.2018.11.007

Keyword:

No. 754

Xi, Jiejun; Shao, Jian; Wang, Yuan; Wang, Xiaoqin; Yang, Hui; Zhang, Xinwei; Xiong, Dongmei
Acute toxicity of triflumizole to freshwater green algae *Chlorella vulgaris*
Pesticide Biochemistry and Physiology v. 158, 2019: p. 135-142
DOI: 10.1016/j.pestbp.2019.05.002
Keyword: Oxidative stress; Green alga; Photosynthesis; Toxic effect; Triflumizole

No. 755

Hayashi, Ken-Go; Hosoe, Misa; Fujii, Shiori; Kanahara, Hiroko; Sakumoto, Ryosuke
Temporal expression and localization of vascular endothelial growth factor family members in the bovine uterus during peri-implantation period
Theriogenology v. 133, 2019: p. 56-64
DOI: 10.1016/j.theriogenology.2019.04.021
Keyword: Implantation; Cow; Endometrium; Myometrium; Vascular endothelial growth factor

No. 756

Peng, Mo; Xue, Junjing; Hu, Yi; Wen, Chungeng; Hu, Baoqing; Jian, Shaoqing; Liang, Lifeng; Yang, Gang
Disturbance in the homeostasis of intestinal microbiota by a high-fat diet in the rice field eel (*Monopterus albus*)
Aquaculture v. 502, 2019: p. 347-355
DOI: 10.1016/j.aquaculture.2018.12.062
Keyword: High-fat diet; Interspecific interactions; Intestinal microbiota homeostasis; Microbial metabolism; Rice field eel

No. 757

Yatmark, Paranee; Huaijantug, Somkiat; Teerapan, Wuttiwong; Svasti, Saovaros; Fucharoen, Suthat; Morales, Noppawan Phumala
MRI imaging and histopathological study of brain iron overload of β -thalassemic mice
Magnetic Resonance Imaging v. 61, 2019: p. 267-272
DOI: 10.1016/j.mri.2019.05.022
Keyword: Magnetic resonance imaging; Beta-thalassemic mice; Brain iron overload; Brain pathology; Deferiprone

No. 758

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Monitoring predictive and informative indicators of the energy status of dairy cows during early lactation in the context of monthly milk recordings using mid-infrared spectroscopy
Livestock Science v. 221, 2019: p. 6-14
DOI: 10.1016/j.livsci.2018.12.020
Keyword: Energy balance; Linear regression models; Monthly milk recording; β -hydroxybutyrate in serum

No. 759

Felipez, María Victoria; Acosta, Tomás; Ungerfeld, Rodolfo
Sexual stimulation as a luteolytic inductor in beef heifers
Theriogenology v. 132, 2019: p. 83-87
DOI: 10.1016/j.theriogenology.2019.04.003
Keyword: Cattle; Ovary; Luteal activity; Steroids

No. 760

Berger, Trish
Testicular estradiol and the pattern of Sertoli cell proliferation in prepuberal bulls
Theriogenology v. 136, 2019: p. 60-65
DOI: 10.1016/j.theriogenology.2019.06.031
Keyword: Bovine; Testis; Sertoli cell

No. 761

Totten, Arthur H.; Xiao, Li; Luo, Danlin; Briles, David; Hale, Joanetha Y.; Crabb, Donna M.; Schoeb, Trenton R.; Alishlash, Ammar Saadoon; Waites, Ken B.; Atkinson, T. Prescott

Allergic airway sensitization impairs antibacterial IgG antibody responses during bacterial respiratory tract infections

Journal of Allergy and Clinical Immunology v. 143 , 2019 : p. 1183-1197.e7

DOI: 10.1016/j.jaci.2018.07.021

Keyword: antibody; allergy; animal model; cytokines; infection

No. 762

de Fátima Bretanha Rocha, Renata; Baena, Marielle Moura; de Cássia Estopa, Aline; Gervásio, Izally Carvalho; Guaratini Ibelli, Adriana Mércia; Santos Gionbelli, Tathiane Ramalho; Gionbelli, Mateus Pies; Fonseca de Freitas, Rilke Tadeu; Conceição Meirelles

Differential expression of HSF1 and HSPA6 genes and physiological responses in Angus and Simmental cattle breeds

Journal of Thermal Biology v. 84, 2019: p. 92-98

DOI: 10.1016/j.jtherbio.2019.06.002

Keyword: Heat stress; Adaptability; HSP; Taurine cattle

No. 763

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L. pseudomesenteroides and *L. johnsonii* isolated from yaks in Tibet modulate gut microbiota in mice to ameliorate enteroinvasive *Escherichia coli*-induced diarrhea

Microbial Pathogenesis v. 132, 2019: p. 1-9

DOI: 10.1016/j.micpath.2019.04.020

Keyword: Mice; Diarrhea; Enteroinvasive (EIEC); Gut microbiota

No. 764

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Effects of hair sheep breed and region of origin on feed dry matter required for maintenance without and with a marked feed restriction

Livestock Science v. 226, 2019: p. 114-121

DOI: 10.1016/j.livsci.2019.06.012

Keyword: Hair sheep; Feed intake; Maintenance requirement

No. 765

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Bridging the species gap in translational research for neurodevelopmental disorders

Neurobiology of Learning and Memory v. 165, 2019: p. 106950

DOI: 10.1016/j.nlm.2018.10.006

Keyword: Animal models; Laboratory rat; Nonhuman primate; Rhesus macaque

No. 766

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Enhancing the capabilities of biosafety laboratories through the established accreditation system: Development of the biosafety laboratory accreditation system in China

Journal of Biosafety and Biosecurity v. 1, 2019: p. 86-89

DOI: 10.1016/j.jobbb.2018.12.008

Keyword: Management; Accreditation; Biosafety laboratories

No. 767

Chyn, Kristina; Lin, Te-En; Chen, Yu-Kai; Chen, Chih-Yun; Fitzgerald, Lee A.

The magnitude of roadkill in Taiwan: Patterns and consequences revealed by citizen science

Biological Conservation v. 237, 2019: p. 317-326

DOI: 10.1016/j.biocon.2019.07.014

Keyword: Community-based research; Crowd-sourced data; Road ecology; Road-effect zone; Wildlife-vehicle collisions

No. 768

Bradford, H.L.; Masuda, Y.; Cole, J.B.; Misztal, I.; VanRaden, P.M.

Modeling pedigree accuracy and uncertain parentage in single-step genomic evaluations of simulated and US Holstein datasets

Journal of Dairy Science v. 102, 2019: p. 2308-2318

DOI: 10.3168/jds.2018-15419

Keyword: genotype; average relationship matrix; pedigree error; selective genotyping

No. 769

Sauer, Ursula G.; Kreiling, Reinhard

The Grouping and Assessment Strategy for Organic Pigments (GRAPE): Scientific evidence to facilitate regulatory decision-making
Regulatory Toxicology and Pharmacology v. 109 , 2019 : p. 104501
DOI: 10.1016/j.yrtph.2019.104501

Keyword: Alveolar macrophages; (bio)dissolution; 3Rs principle (replace; Bioavailability; Caco-2 cell line; EU REACH regulation; Human health protection; Inhalation exposure; Oral exposure; Reduce; Refine animal testing); Regulatory toxicology

No. 770

Hori, Hisako; Shimoyoshi, Satomi; Tanaka, Yasuhiro; Momonami, Ayaka; Masumura, Kenichi; Yamada, Masami; Fujii, Wataru; Kitagawa, Yoshinori; Hayashi, Makoto
Multiple-endpoint genotoxicity assay for colon carcinogen 1,2-dimethylhydrazine
Mutation Research/Genetic Toxicology and Environmental Mutagenesis v. , 2019: p. 503130
DOI: 10.1016/j.mrgentox.2019.503130

Keyword: liver; bone marrow; colon; delta rats; DMH; micronucleus

No. 771

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Predicting the dry matter intake of grazing dairy cows using infrared reflectance spectroscopy analysis
Journal of Dairy Science v. 102, 2019: p. 8907-8918
DOI: 10.3168/jds.2019-16363

Keyword: dry matter intake; grazing dairy cow; mid-infrared reflectance spectroscopy; near-infrared reflectance spectroscopy

No. 772

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Domestic Animal Endocrinology v. 69, 2019: p. 51-61
DOI: 10.1016/j.domaniend.2019.04.003

Keyword: Prolactin; Testosterone; Cockerels; Molecular mechanisms; Testicular development

No. 773

Reynolds, Desnatie; Min, Byeng R.; Gurung, Nar; McElhenney, Wendell; Lee, Jung H.; Solaiman, Sandra; Bolden-Tiller, Olga
Influence of tannin-rich pine bark supplementation in the grain mixes for meat goats: Growth performance, blood metabolites, and carcass characteristics
Animal Nutrition v. , 2019: p.
DOI: 10.1016/j.aninu.2019.09.003

Keyword: Goats; Animal performance; Blood metabolites; Carcass traits; Pine bark

No. 774

Fang, Lichun; Zhen, Yue; Su, Qi; Zhu, Hongfei; Guo, Xiaoyu; Zhao, Peng
Efficacy of CpG-ODN and Freund's immune adjuvants on antibody responses induced by chicken infectious anemia virus VP1, VP2, and VP3 subunit proteins
Poultry Science v. 98, 2019: p. 1121-1126
DOI: 10.3382/ps/pey475

Keyword: chicken infectious anemia; CpG-ODN; immunologic adjuvants; subunit vaccine; viral proteins

No. 775

Garrine, Carmen Maria Lucas Pedro; Yoshikawa, Carolina Yumi Cascão; Conti, Renata Maria Consentino; Correa, Lisia Bertonha; Pugine, Silvana Marina Piccoli; Tchamo, Cesaltina; Pondja, Alberto; de Carvalho Balieiro, Júlio Cesar; Zanetti, Marcus Antonio
Effects of different sources and levels of copper on lipid metabolism in Merino × Texel lambs
Meat Science v. 155, 2019: p. 85-90
DOI: 10.1016/j.meatsci.2019.04.021

Keyword: Cholesterol; Sheep; Fatty acids; Glutathione

No. 776

Ungar, Eugene David
Perspectives on the concept of rangeland carrying capacity, and their exploration by means of Noy-Meir's two-function model
Agricultural Systems v. 173, 2019: p. 403-413
DOI: 10.1016/j.agsy.2019.03.023

Keyword: Dynamic simulation; Grazing deferment; Logistic herbage growth; Mediterranean herbaceous rangeland; Multiple-goal analysis; Stocking rate

No. 777

Ngekure M.X, Kavita; Jiang, Jingle; Enayatullah, Hamdard; Ennab, Wael; Mustafa, Sheeraz; Rodeni, Saif; Wei, Quanwei; Shi, Fangxiong
Sweet taste receptor agonists alter ovarian functions and ovarian cycles in aged mice
Reproductive Biology v. 19 , 2019 : p. 230-236
DOI: 10.1016/j.repbio.2019.07.007
Keyword: Ovary; Aged mice; Rebaudioside A; Saccharin sodium

No. 778

Florez, Daian; García-Duque, Carlos Emilio; Osorio, Juan Camilo
Is technology (still) applied science?
Technology in Society v. 59, 2019: p. 101193
DOI: 10.1016/j.techsoc.2019.101193
Keyword: Technology; Applied science; Realism; Skolimowski; The standard view of technology

No. 779

Sakai, Koki; Oishi, Kazato; Miwa, Masafumi; Kumagai, Hajime; Hirooka, Hiroyuki
Behavior classification of goats using 9-axis multi sensors: The effect of imbalanced datasets on classification performance
Computers and Electronics in Agriculture v. 166, 2019: p. 105027
DOI: 10.1016/j.compag.2019.105027
Keyword: Goat; Machine learning; 9-axis multi sensor; Balancing datasets; Behavioral classification

No. 780

Pierard, Marc; McGreevy, Paul; Geers, Rony
Reliability of a descriptive reference ethogram for equitation science
Journal of Veterinary Behavior v. 29, 2019: p. 118-127
DOI: 10.1016/j.jveb.2018.10.001
Keyword: equine; ethogram; structural behavioral definitions

No. 781

Cain, Joe
In My Tribe: What the Snouters (and Other Jokes) Reveal About Tribes in Science
Endeavour v. 43, 2019: p. 2-10
DOI: 10.1016/j.endeavour.2018.12.001
Keyword: Academic tribes; Jokelore; Mammalogy; Rhinogradentia; Snouters; Systematics; Tribalism

No. 782

Maria Cardinal, Katia; Kipper, Marcos; Andretta, Ines; Machado Leal Ribeiro, Andréa
Withdrawal of antibiotic growth promoters from broiler diets: performance indexes and economic impact
Poultry Science v. 98, 2019: p. 6659-6667
DOI: 10.3382/ps/pez536
Keyword: broiler chicken; weight gain; feed conversion; productive cost; sensitivity analysis

No. 783

Almeida Paz, Ibiara Correia de Lima; de Lima Almeida, Ianê Correia; de La Vega, Leonardo Thielo; Milbradt, Elisane Lenita; Borges, Mariana Rodrigues; Chaves, Gustavo Henrique Coelho; dos Ouros, Caio César; Lourenço da Silva, Marconi Italo; Caldara, Fabian
Productivity and Well-Being of Broiler Chickens Supplemented With Probiotic
Journal of Applied Poultry Research v. 28, 2019: p. 930-942
DOI: 10.3382/japr/pfz054
Keyword: probiotic; broiler; welfare

No. 784

Gianola, Daniel; Fernando, Rohan L.; Schön, Chris-Carolin
Inferring trait-specific similarity among individuals from molecular markers and phenotypes with Bayesian regression
Theoretical Population Biology v. , 2019: p.
DOI: 10.1016/j.tpb.2019.11.008
Keyword: Genomic selection; Complex traits; Genomic prediction; Genomic relationship; Prediction

No. 785

Jolles, Jolle W.; Briggs, Helen D.; Araya-Ajoy, Yimen G.; Boogert, Neeltje J.

Personality, plasticity and predictability in sticklebacks: bold fish are less plastic and more predictable than shy fish

Animal Behaviour v. 154 , 2019 : p. 193-202

DOI: 10.1016/j.anbehav.2019.06.022

Keyword: animal personality; behavioural reaction norm; boldness; consistency; exploration; IIV; plasticity; predictability; repeatability; stickleback

No. 787

Egert-McLean, Amanda M.; Sama, Michael P.; Klotz, James L.; McLeod, Kyle R.; Kristensen, Neils B.; Harmon, David L.

Automated system for characterizing short-term feeding behavior and real-time forestomach motility in cattle

Computers and Electronics in Agriculture v. 167, 2019: p. 105037

DOI: 10.1016/j.compag.2019.105037

Keyword: Cattle; Contraction; Feed disappearance; Feeding behavior; Rumen motility

No. 789

Špinka, Marek; Syrová, Michaela; Policht, Richard; Linhart, Pavel

Early vocal ontogeny in a polytocous mammal: no evidence of social learning among sibling piglets, *Sus scrofa*

Animal Behaviour v. 151, 2019: p. 9-19

DOI: 10.1016/j.anbehav.2019.02.018

Keyword: call convergence; cross-fostering; polytocous mammal; sibling acoustic similarity; social learning; vocal ontogeny

No. 791

Calefi, Atilio Sersun; de Queiroz Nunes, Catarina Augusta; da Silva Fonseca, Juliana Garcia; Quinteiro-Filho, Wanderley Moreno; Ferreira, Antonio José Piantino; Palermo-Neto, João

Heat stress reduces *Eimeria* spp. infection and interferes with *C. perfringens* infection via activation of the hypothalamic-pituitary-adrenal axis

Research in Veterinary Science v. 123, 2019: p. 273-280

DOI: 10.1016/j.rvsc.2019.01.026

Keyword: Heat stress; spp.; Avian necrotic enteritis; Neuroimmunomodulation

No. 786

Amon, Mary Jean; Favela, Luis H.

Distributed cognition criteria: Defined, operationalized, and applied to human-dog systems

Behavioural Processes v. 162, 2019: p. 167-176

DOI: 10.1016/j.beproc.2019.03.001

Keyword: Dogs; Agency; Distributed cognition; Extended cognition; Interaction dominance; Working animal

No. 788

Hossam Mahmoud, Ahmed; Mohammed Abu-Tarbush, Faisal; Alshaik, Mohammed; Aljumaah, Riyadh; Saleh, Amgad

Genetic diversity and population genetic structure of six dromedary camel (*Camelus dromedarius*) populations in Saudi Arabia

Saudi Journal of Biological Sciences v. , 2019: p.

DOI: 10.1016/j.sjbs.2019.11.041

Keyword: Population structure; Breeding programs; Gene flow; Microsatellite; Saudi Arabia

No. 790

Sitt, Tatjana; Kenney, Mary; Barrera, José; Pandya, Mital; Eckstrom, Korin; Warner, Megan; Pacheco, Juan M.; LaRocco, Michael; Palarea-Albaladejo, Javier; Brake, David; Rieder, Elizabeth; Arzt, Jonathan; Barlow, John W.; Golde, William T.

Duration of protection and humoral immunity induced by an adenovirus-vectored subunit vaccine for foot-and-mouth disease (FMD) in Holstein steers

Vaccine v. 37, 2019: p. 6221-6231

DOI: 10.1016/j.vaccine.2019.08.017

Keyword: Cattle; Foot-and-mouth disease virus; Duration of protection; FMDV A24/Cruzeiro/BRA/55; Humoral immunity; Replication-deficient human adenovirus vectored vaccine

No. 792

Jia, Zhifeng; Chen, Aorigele; Wang, Chunjie; He, Meiling; Xu, Jin; Fu, He; Zhang, Xin; Lv, Wenting; Guo, Zhenshuang

Amelioration effects of Kaempferol on immune response following chronic intermittent cold-stress

Research in Veterinary Science v. 125, 2019: p. 390-396

DOI: 10.1016/j.rvsc.2019.08.012

Keyword: Immune response; Antioxidant function; Cinnamon; Cold stress; Kaempferol; Neurochemicals

No. 793

Kumakamba, Charles; N’Kawa, Frida; Kingebeni, Placide Mbala; Losoma, Joseph Atibu; Lukusa, Ipos Ngay; Muyembe, Francisca; Mulembakani, Prime; Makuwa, Maria; LeBreton, Matthew; Gillis, Amethyst; Rimoin, Anne W.; Hoff, Nicole A.; Schneider, Bradley S.; Mona
Analysis of adenovirus DNA detected in rodent species from the Democratic Republic of the Congo indicates potentially novel adenovirus types

New Microbes and New Infections v. , 2019 : p. 100640

DOI: 10.1016/j.nmni.2019.100640

Keyword: PCR; Africa; Adenovirus; MAdV-2; Rodent

No. 795

Alba, Davi Fernando; da Rosa, Gilneia; Hanauer, Dalana; Saldanha, Thalia Festa; Souza, Carine F.; Baldissera, Matheus D.; da Silva dos Santos, Daiane; Piovezan, Ana Paula; Girardini, Lilian Kolling; Schafer Da Silva, Aleksandro

Subclinical mastitis in Lacaune sheep: Causative agents, impacts on milk production, milk quality , oxidative profiles and treatment efficacy of ceftiofur

Microbial Pathogenesis v. 137, 2019: p. 103732

DOI: 10.1016/j.micpath.2019.103732

Keyword: Oxidative stress; Antimicrobial resistance; Milk sheep; spp; Subclinical mastitis

No. 797

Yadollahi, Sakine; Gholizadeh, Mohsen; Hafezian, Hasan

Bayesian inference on genetic parameters for some reproductive traits in sheep using linear and threshold models

Small Ruminant Research v. 170, 2019: p. 149-153

DOI: 10.1016/j.smallrumres.2018.12.001

Keyword: Sheep; Animal model; Reproductive traits; Bayesian method

No. 799

Scasta, J.D.; Jorns, T.; Derner, J.D.; Lake, S.; Augustine, D.J.; Windh, J.L.; Smith, T.L.

Validation of DNA metabarcoding of fecal samples using cattle fed known rations

Animal Feed Science and Technology v. 255, 2019: p. 114219

DOI: 10.1016/j.anifeedsci.2019.114219

Keyword: Grazing; Botanical composition; Dietary protein composition; Free-roaming herbivores; Plant chloroplast; Rangelands

No. 794

Kay, Gigi; Tligui, Noursaid; Semmate, Noha; Azrib, Rahma; González, Francisco Javier Navas; Brizgys, Lauren; McLean, Amy

Determining factors and interspecific modeling for serum amyloid A concentrations in working horses, donkeys, and mules

Research in Veterinary Science v. 125, 2019: p. 256-265

DOI: 10.1016/j.rvsc.2019.07.004

Keyword: Donkeys; Welfare; Mules; Serum amyloid A; Working equids

No. 796

Moosavi, A.; Ghazvini, R.D.; Ahmadikia, K.; Hashemi, S.J.; Geramishoar, M.; Mohebbi, M.; Yekaninejad, M.S.; Bakhshi, H.; Khodabakhsh, M.

The frequency of fungi isolated from the skin and hair of asymptomatic cats in rural area of Meshkin-shahr-Iran

Journal de Mycologie Médicale v. 29, 2019: p. 14-18

DOI: 10.1016/j.mycmed.2019.01.004

Keyword: Iran; Dermatophytes; Cats; Fungal zoonoses; Meshkin-shahr

No. 798

Ribeiro, Leonir Bueno; Matzkeit, Tayná Vasconcelos; Nicolau, Julia Teodoro de Souza; Castilha, Leandro Dalcin; Oliveira, Fábio Cortez Leite de; Bankuti, Ferenc Istvan

Determinants of Undesirable Behaviors in American Quarter Horses Housed in Box Stalls

Journal of Equine Veterinary Science v. 80, 2019: p. 69-75

DOI: 10.1016/j.jevs.2019.07.005

Keyword: Management; Feeding; Equine; Stable; Stereotypic behavior

No. 800

Pugliesi, Guilherme; Dalmaso de Melo, Gabriela; Silva, Júlio Barboza; Carvalhêdo, Alexandre Sardinha; Lopes, Everton; de Siqueira Filho, Emivaldo; Silva, Luciano Andrade; Binelli, Mario

Use of color-Doppler ultrasonography for selection of recipients in timed-embryo transfer programs in beef cattle

Theriogenology v. 135, 2019: p. 73-79

DOI: 10.1016/j.theriogenology.2019.06.006

Keyword: Cattle; Follicle; Blood perfusion; Corpus luteum; Pregnancy success

No. 801

Mworia, Joseph Kiambi; Kibiti, Cromwell Mwititi; Ngugi, Mathew Piero; Ngeranwa, Joseph Ngari

Antipyretic potential of dichloromethane leaf extract of *Eucalyptus globulus* (Labill) and *Senna didymobotrya* (Fresenius) in rats models

Heliyon v. 5, 2019 : p. e02924

DOI: 10.1016/j.heliyon.2019.e02924

Keyword: Veterinary medicine; Pyrexia

No. 802

Kersbergen, Inge; German, Alexander J.; Westgarth, Carri; Robinson, Eric

Portion size and meal consumption in domesticated dogs: An experimental study

Physiology & Behavior v. 204, 2019: p. 174-179

DOI: 10.1016/j.physbeh.2019.02.034

Keyword: Dogs; Animals; Feeding behaviour; Food intake; Portion size

No. 803

Silva, Elisa S.M.; Leite, Raíssa O.; Maciel, Luciana F.S.; Francia, Camila C.D.A.; Padovani, Carlos R.; Oliveira-Filho, José P.; Meira, Cezinande

Endometrial Histomorphometry of Anestrous Mares Under the Influence of Different Embryo Transfer Hormonal Protocols

Journal of Equine Veterinary Science v. 81, 2019: p. 102792

DOI: 10.1016/j.jevs.2019.102792

Keyword: Hormones; Endometrium; Histomorphometry; Noncyclic mares

No. 804

Nakamura, Michio; Hosaka, Kazuhiko; Itoh, Noriko; Matsumoto, Takuya; Matsusaka, Takahisa; Nakazawa, Nobuko; Nishie, Hitonaru; Sakamaki, Tetsuya; Shimada, Masaki; Takahata, Yukio; Yamagami, Masahiro; Zamma, Koichiro

Wild chimpanzees deprived a leopard of its kill: Implications for the origin of hominin confrontational scavenging

Journal of Human Evolution v. 131, 2019: p. 129-138

DOI: 10.1016/j.jhevol.2019.03.011

Keyword: Leopard; Animal carcass; Chimpanzee; Confrontational scavenging; Mahale Mountains; Meat-eating

No. 805

Olasege, B.S.; Zhang, S.; Zhao, Q.; Liu, D.; Sun, H.; Wang, Q.; Ma, P.; Pan, Y.

Genetic parameter estimates for body conformation traits using composite index, principal component, and factor analysis

Journal of Dairy Science v. 102, 2019: p. 5219-5229

DOI: 10.3168/jds.2018-15561

Keyword: body conformation trait; factor analysis; genetic parameter; principal component analysis

No. 806

Thelwall, Mike

The rhetorical structure of science? A multidisciplinary analysis of article headings

Journal of Informetrics v. 13, 2019: p. 555-563

DOI: 10.1016/j.joi.2019.03.002

Keyword: Academic writing; Academic refereeing; Article structure; Rhetorical structure theory

No. 807

Papi, N.; Kafizadeh, F.; Fazaeli, H.

Use of Jerusalem artichoke aerial parts as forage in fat-tailed sheep diet

Small Ruminant Research v. 174, 2019: p. 1-6

DOI: 10.1016/j.smallrumres.2019.03.001

Keyword: Aerial parts; Chall sheep; Jerusalem artichoke forage; Purine derivatives

No. 808

Boulter, Tyler; Bernhisel, Ashlie; Mamalis, Christina; Zaugg, Brian; Barlow, William R.; Olson, Randall J.; Pettey, Jeff H.

Phacoemulsification in review: Optimization of cataract removal in an in vitro setting

Survey of Ophthalmology v. 64, 2019: p. 868-875

DOI: 10.1016/j.survophthal.2019.06.007

Keyword: animal model; chatter; efficiency; in vitro; optimization; phacoemulsification

No. 809

Guarini, A.R.; Lourenco, D.A.L.; Brito, L.F.; Sargolzaei, M.; Baes, C.F.; Miglior, F.; Tsuruta, S.; Misztal, I.; Schenkel, F.S.

Use of a single-step approach for integrating foreign information into national genomic evaluation in Holstein cattle

Journal of Dairy Science v. 102 , 2019 : p. 8175-8183

DOI: 10.3168/jds.2018-15819

Keyword: genomic evaluation; multi-country genomic information; multiple across-country evaluation; single-step genomic best linear unbiased predictor

No. 810

Schwarzbach, S.V.; Melo, C.F.; Xavier, P.L.P.; Roballo, K.C.; Cordeiro, Y.G.; Ambrósio, C.E.; Fukumasu, H.; Carregaro, A.B.

Morphine, but not methadone, inhibits microsomal prostaglandin E synthase-1 and prostaglandin-endoperoxide synthase 2 in lipopolysaccharide-stimulated horse synoviocytes

Biochimie v. 160, 2019: p. 28-33

DOI: 10.1016/j.biochi.2019.02.004

Keyword: Arthritis; LPS; mPGES-1; Opioids; PTGS2

No. 811

Gondard, Elise; Soto-Montenegro, Maria Luisa; Cassol, Amanda; Lozano, Andres M.; Hamani, Clement

Transcranial direct current stimulation does not improve memory deficits or alter pathological hallmarks in a rodent model of Alzheimer's disease

Journal of Psychiatric Research v. 114, 2019: p. 93-98

DOI: 10.1016/j.jpsychires.2019.04.016

Keyword: Alzheimer's disease; Animal models; Hippocampus; Memory; Neuromodulation; tDCS

No. 812

Chen, Fang; Nagy, Kenna; Chavez, Deborah; Willis, Shelby; McBride, Ryan; Giang, Erick; Honda, Andrew; Bukh, Jens; Ordoukhanian, Phillip; Zhu, Jiang; Frey, Sharon; Lanford, Robert; Law, Mansun

Antibody Responses to Immunization With HCV Envelope Glycoproteins as a Baseline for B cell-Based Vaccine Development

Gastroenterology v. , 2019: p.

DOI: 10.1053/j.gastro.2019.11.282

Keyword: animal model; AR3; HVR1; mAb

No. 813

Shu, Fei; Julien, Charles-Antoine; Zhang, Lin; Qiu, Junping; Zhang, Jing; Larivière, Vincent

Comparing journal and paper level classifications of science

Journal of Informetrics v. 13, 2019: p. 202-225

DOI: 10.1016/j.joi.2018.12.005

Keyword: Chinese Library Classification; Classification system of science; CSCD

No. 814

Rocha, Luis E.C; Terenius, Olle; Veissier, Isabelle; Meunier, Bruno; Nielsen, Per P.

Persistence of sociality in group dynamics of dairy cattle

Applied Animal Behaviour Science v. , 2019: p. 104921

DOI: 10.1016/j.applanim.2019.104921

Keyword: Dairy cows; Social network; Social preferences

No. 815

Mohammad Abu-Taweel, Gasem

Curcumin palliative effects on sexual behavior, fertility and reproductive hormones disorders in mercuric chloride intoxicated mice offspring

Journal of King Saud University - Science v. , 2019: p.

DOI: 10.1016/j.jksus.2019.11.014

Keyword: Fertility; Curcumin; Infertility; Mercuric chloride; Mice offspring

No. 816

Folgering, Joost H.; Choi, Minha; Schlumbohm, Christina; van Gaalen, Marcel M.; Stratford Jr., Robert E.

Development of a non-human primate model to support CNS translational research: Demonstration with D-amphetamine exposure and dopamine response

Journal of Neuroscience Methods v. 317, 2019: p. 71-81

DOI: 10.1016/j.jneumeth.2019.02.005

Keyword: Amphetamine; Dopamine; Microdialysis; Non-human primate; Population modeling; Translational sciences

No. 817

An, Xianli; Zhang, Fenfen; Liu, Yuan; Yang, Ping; Yu, Duonan

Remote fear memory is sensitive to reconditioning

Behavioural Brain Research v. 359 , 2019 : p. 723-730

DOI: 10.1016/j.bbr.2018.09.013

Keyword: Fear conditioning; Fear reconditioning; Recent memory; Remote memory; Stress sensitivity

No. 818

NaPier, Zachary; Kanim, Linda E.A.; Nelson, Trevor J.; Salehi, Khosrowdad; Arabi, Yasaman; Glaeser, Juliane D; Sheyn, Dmitriy; Metzger, Melodie F.

The effect of insulin dependent diabetes on bone metabolism and growth after spinal fusion

The Spine Journal v. , 2019: p.

DOI: 10.1016/j.spinee.2019.11.011

Keyword: Diabetes; Growth factors; Insulin dependence; Nonunion; Pseudarthrosis; Spinal fusion

No. 819

Bebin, C.

De l'homme handicapé à l'homme augmenté, une lecture des avancées de la science par l'art

Éthique & Santé v. 16, 2019: p. 20-24

DOI: 10.1016/j.etiqe.2019.01.004

Keyword: Science; Art; Augmenté; Disability; Handicap; Increased; Progrès; Progress

No. 820

Rebelo, Lucas R.; Luna, Irene C.; Messana, Juliana D.; Araujo, Rafael C.; Simioni, Tiago A.; Granja-Salcedo, Yury T.; Vito, Elias S.; Lee, Chanhee; Teixeira, Izabelle A.M.A.; Rooke, John A.; Berchielli, Telma T.

Effect of replacing soybean meal with urea or encapsulated nitrate with or without elemental sulfur on nitrogen digestion and methane emissions in feedlot cattle

Animal Feed Science and Technology v. 257, 2019: p. 114293

DOI: 10.1016/j.anifeedsci.2019.114293

Keyword: Methane; Beef cattle; Encapsulated nitrate; Microbial protein synthesis; Non-protein nitrogen

No. 821

Hu, Xiyi; Wang, Yufeng; Sheikahmadi, Ardashir; Li, Xianlei; Buyse, Johan; Lin, Hai; Song, Zhigang

Effects of glucocorticoids on lipid metabolism and AMPK in broiler chickens' liver

Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology v. 232, 2019: p. 23-30

DOI: 10.1016/j.cbpb.2019.02.001

Keyword: Broiler; Liver; CYP7A1; Glucocorticoid; Lipogenesis

No. 822

Coomansingh-Springer, C.; Vishakha, V.; Acuna, A. Montanez; Armstrong, E.; Sharma, R.N.

Internal parasitic burdens in brown rats (*Rattus norvegicus*) from Grenada, West Indies

Heliyon v. 5, 2019: p. e02382

DOI: 10.1016/j.heliyon.2019.e02382

Keyword: Animal science; Biological sciences; Public health; Veterinary medicine; Animal behavior; Brown rat; Endoparasites; Grenada; Zoology

No. 823

Oskoueian, Ehsan; Abdullah, Norhani; Noura, Reza; Ebrahimi, Mahdi; Ahmad, Syahida; Shakeri, Majid

Mode of action of *Jatropha curcas* phorbol esters in bovine kidney cells Biocatalysis and Agricultural Biotechnology v. 17, 2019: p. 514-524

DOI: 10.1016/j.bcab.2019.01.010

Keyword: Toxicity; Animal feed; Inflammation; Apoptosis; Biological activity; Molecular mechanism

No. 824

Weldekidan, Haftom; Strezov, Vladimir; Li, Rui; Kan, Tao; Town, Graham; Kumar, Ravinder; He, Jing; Flamant, Gilles

Distribution of solar pyrolysis products and product gas composition produced from agricultural residues and animal wastes at different operating parameters

Renewable Energy v. , 2019: p.

DOI: 10.1016/j.renene.2019.11.107

Keyword: Biomass; Combustible gases; Renewable energy; Solar fuels; Solar pyrolysis

No. 825

Stilwell, G.T.; Ferrador, A.M.; Santos, M.S.; Domingues, J.M.; Carolino, N.

Use of topical local anesthetics to control pain during treatment of hoof lesions in dairy cows

Journal of Dairy Science v. 102, 2019 : p. 6383-6390

DOI: 10.3168/jds.2018-15820

Keyword: animal welfare; hoof lesion; lameness; pain management; topical local anesthetic

No. 826

Hu, X Q; Wang, W B; Liu, L; Wang, C; Feng, W; Luo, Q P; Han, R; Wang, X D

Effects of fat type and emulsifier in feed on growth performance, slaughter traits, and lipid metabolism of Cherry Valley ducks

Poultry Science v. 98, 2019: p. 5759-5766

DOI: 10.3382/ps/pez369

Keyword: emulsifier; fat metabolism; fat source; meat duck; production performance

No. 827

Bremer, S.; Haque, M. Mahfujul; Aziz, Saifullah Bin; Kvamme, S.

'My new routine': Assessing the impact of citizen science on climate adaptation in Bangladesh

Environmental Science & Policy v. 94, 2019: p. 245-257

DOI: 10.1016/j.envsci.2018.12.029

Keyword: Citizen science; Bangladesh; Climate adaptation; Governance assessment

No. 828

Kuti, Dániel; Winkler, Zsuzsanna; Horváth, Krisztina; Juhász, Balázs; Paholcsek, Melinda; Stágel, Anikó; Gulyás, Gabriella; Czeglédi, Levente; Ferenczi, Szilamér; Kovács, Krisztina J.

Gastrointestinal (non-systemic) antibiotic rifaximin differentially affects chronic stress-induced changes in colon microbiome and gut permeability without effect on behavior

Brain, Behavior, and Immunity v. , 2019: p.

DOI: 10.1016/j.bbi.2019.12.004

Keyword: Antibiotic; Ethogram; Neophobia; LPS; Chronic variable stress; F4/80; Maternal separation; Mesenteric lymph node; Reg3b; Tight junction

No. 829

Meisner, Julianne; Barnabas, Ruanne V.; Rabinowitz, Peter M.

A mathematical model for evaluating the role of trypanocide treatment of cattle in the epidemiology and control of *Trypanosoma brucei* rhodesiense and *T. b. gambiense* sleeping sickness in Uganda

Parasite Epidemiology and Control v. 5, 2019: p. e00106

DOI: 10.1016/j.parepi.2019.e00106

Keyword: Cattle; Animal African trypanosomiasis; Human African trypanosomiasis; Mathematical modeling; One Health; Zoonoses

No. 830

Yang, Yang; Kanev, Danail; Nedeva, Radka; Jozwik, Artur; Rollinger, Judith M.; Grzybek, Weronika; Pyzel, Bożena; Yeung, Andy Wai Kan; Uhrin, Pavel; Breuss, Johannes M.; Horbanczuk, Jarosław O.; Malainer, Clemens; Xu, Tao; Wang, Dongdong; Atanasov, Atanas

Black pepper dietary supplementation increases high-density lipoprotein (HDL) levels in pigs

Current Research in Biotechnology v. 1, 2019: p. 28-33

DOI: 10.1016/j.crbiot.2019.08.002

Keyword: Growing pigs; Anti-oxidants; Black pepper; Cardiovascular diseases; Lipoproteins

No. 831

Yuan, Tian-Yi; Chen, Di; Chen, Yu-Cai; Zhang, Hui-Fang; Niu, Zi-Ran; Jiao, Xiao-Zhen; Xie, Ping; Fang, Lian-Hua; Du, Guan-Hua

A novel hypertensive crisis rat model established by excessive norepinephrine infusion and the potential therapeutic effects of Rho-kinase inhibitors on it

Biomedicine & Pharmacotherapy v. 109, 2019: p. 1867-1875

DOI: 10.1016/j.biopha.2018.11.061

Keyword: Blood pressure; Hypertensive crisis; Norepinephrine; Novel animal model; Organ protection; Rho-kinase inhibitors

No. 832

Leskovec, J.; Levart, A.; Perić, L.; Đukić Stojčić, M.; Tomović, V.; Pirman, T.; Salobir, J.; Rezar, V.

Antioxidative effects of supplementing linseed oil-enriched diets with α -tocopherol, ascorbic acid, selenium, or their combination on carcass and meat quality in broilers

Poultry Science v. 98, 2019: p. 6733-6741

DOI: 10.3382/ps/pez389

Keyword: broiler; meat quality; selenium; vitamin C; vitamin E

No. 833

Penney, Jenna; Lu, Yang; Pan, Bo; Feng, Yulong; Walk, Carrie; Li, Julang
 Pure yeast beta-glucan and two types of yeast cell wall extracts enhance cell migration in porcine intestine model
 Journal of Functional Foods v. 59 , 2019 : p. 129-137
 DOI: 10.1016/j.jff.2019.05.037

Keyword: Beta-Glucan; Cell migration; Porcine intestine cells; Tissue repair; Yeast cell wall

No. 834

Fernandez, Eduardo J.; Timberlake, William
 Foraging devices as enrichment in captive walruses (*Odobenus rosmarus*)
 Behavioural Processes v. 168, 2019: p. 103943
 DOI: 10.1016/j.beproc.2019.103943

Keyword: Enrichment; Animal welfare; Applied animal research; Foraging; Stereotypies; Walruses

No. 835

Dalla Costa, Filipe Antonio; Gibson, Troy John; Oliveira, Steffan Edward Octávio; Gregory, Neville George; Coldebella, Arlei; Faucitano, Luigi; Dalla Costa, Osmar Antonio
 On-farm pig dispatch methods and stockpeople attitudes on their use
 Livestock Science v. 221, 2019: p. 1-5
 DOI: 10.1016/j.livsci.2019.01.007

Keyword: Animal welfare; Caretaker; Culling; Killing; Stockpeople attitudes; Survey

No. 836

Yu, Fuxian; Zhu, Zhiwei; Chen, Xiaoyu; Huang, Jing; Jia, Ruoxin; Pan, Jianzhi
 Isolation, characterization and germline chimera preparation of primordial germ cells from the Chinese Meiling chicken
 Poultry Science v. 98, 2019: p. 566-572
 DOI: 10.3382/ps/pey410

Keyword: Chinese Meiling chicken; germline chimera preparation; primordial germ cells; separation and purification

No. 837

Hulsman Hanna, Lauren L.; Hieber, Jordan K.; Yu, Haipeng; Celestino, Elfren F.; Dahlen, Carl R.; Wagner, Sarah A.; Riley, David G.
 Blood collection has negligible impact on scoring temperament in Angus-based weaned calves
 Livestock Science v. 230, 2019: p. 103835
 DOI: 10.1016/j.livsci.2019.103835

Keyword: Cattle; Age at scoring; Blood sampling; Entry order; Evaluation sequence; Temperament

No. 838

Hale, Robin; Swearer, Stephen E.; Sievers, Michael; Coleman, Rhys
 Balancing biodiversity outcomes and pollution management in urban stormwater treatment wetlands
 Journal of Environmental Management v. 233, 2019: p. 302-307
 DOI: 10.1016/j.jenvman.2018.12.064

Keyword: Animal behaviour; Ecological trap; Urban planning; Water sensitive urban design

No. 839

Fan, Xiaoteng; Hou, Tingting; Sun, Tianzi; Zhu, Long; Zhang, Shuai; Tang, Kui; Wang, Zaizhao
 Starvation stress affects the maternal development and larval fitness in zebrafish (*Danio rerio*)
 Science of The Total Environment v. 695, 2019: p. 133897
 DOI: 10.1016/j.scitotenv.2019.133897

Keyword: Autophagic activity; DNA methylation; Maternal starvation; Reproductive impairments; Zebrafish

No. 840

Haj-Mirzaian, Arvin; Ramezanzadeh, Kiana; Tafazolimoghadam, Armin; Kazemi, Kiarash; Nikbakhsh, Rajan; Nikbakhsh, Rambod; Amini-Khoei, Hossein; Afshari, Khashayar; Haddadi, Nazgol-Sadat; Shakiba, Saeed; Azimirad, Fahimeh; Mousavi, Seyyed Elahe; Dehpour, Ah
 Protective effect of minocycline on LPS-induced mitochondrial dysfunction and decreased seizure threshold through nitric oxide pathway
 European Journal of Pharmacology v. 858, 2019: p. 172446
 DOI: 10.1016/j.ejphar.2019.172446

Keyword: Pro-inflammatory cytokines; LPS; Minocycline; Mitochondrial dysfunction; Nitric oxide; Seizure

No. 841

Li, Li; Shen, Bingbing; Dai, Siqi; Tang, Zhenhai; Zhao, Wei; Zhan, Siyuan; Wang, Linjie; Zhong, Tao; Guo, Jiazhong; Zhang, Hongping
 The novel mutations in the MEF2C gene associate with growth of Nanjiang Yellow goats
 Gene Reports v. 14 , 2019 : p. 100-109
 DOI: 10.1016/j.genrep.2018.12.003

Keyword: Goat; Growth performance; Alternative splicing; dlx5; DNA accessibility; Myocyte enhancer factor 2C; Single nucleotide variation

No. 842

Oliveira, H.R.; Lourenco, D.A.L.; Masuda, Y.; Misztal, I.; Tsuruta, S.; Jamrozik, J.; Brito, L.F.; Silva, F.F.; Cant, J.P.; Schenkel, F.S.
 Single-step genome-wide association for longitudinal traits of Canadian Ayrshire, Holstein, and Jersey dairy cattle
 Journal of Dairy Science v. 102, 2019: p. 9995-10011
 DOI: 10.3168/jds.2019-16821

Keyword: milk; SNP effect; test-day; random regression

No. 843

Biffar, Lucia; Blunt, Laura; Atkins, William; Anderson, Paul; Holder, Tom; Xing, Zhou; Vordermeier, Martin; McShane, Helen; Villarreal-Ramos, Bernardo
 Evaluating the sensitivity of the bovine BCG challenge model using a prime boost Ad85A vaccine regimen
 Vaccine v. , 2019: p.
 DOI: 10.1016/j.vaccine.2019.11.005

Keyword: Ad85A; BCG Tokyo; Bovine BCG challenge model; Bovine tuberculosis; Intranodal challenge; Predictors of protection

No. 844

Sparkman, Nathan L.; Buchanan, Jessica B.; Dos Santos, Natalia L.; Johnson, Rodney W.; Burton, Michael D.
 Aging sensitizes male mice to cognitive dysfunction induced by central HIV-1 gp120
 Experimental Gerontology v. 126, 2019: p. 110694
 DOI: 10.1016/j.exger.2019.110694

Keyword: Cognition; Aging; gp120; HIV-1; HIV-associated dementia; Neuroinflammation

No. 845

Guo, Ziliang; Cui, Guofa; Zhang, Manyin; Li, Xiaoyu
 Analysis of the contribution to conservation and effectiveness of the wetland reserve network in China based on wildlife diversity
 Global Ecology and Conservation v. 20, 2019: p. e00684
 DOI: 10.1016/j.gecco.2019.e00684

Keyword: Effectiveness; Conservation; Contribution; National nature reserve; National wetland park; Wetland

No. 846

Katri, A.; Dąbrowska, A.; Löfvall, H.; Karsdal, M.A.; Andreassen, K.V.; Thudium, C.S.; Henriksen, K.
 A dual amylin and calcitonin receptor agonist inhibits pain behavior and reduces cartilage pathology in an osteoarthritis rat model
 Osteoarthritis and Cartilage v. 27, 2019: p. 1339-1346
 DOI: 10.1016/j.joca.2019.05.016

Keyword: Treatment; Pain; Animal models; Osteoarthritis; Bone; Dual amylin-calcitonin receptor agonist

No. 847

Tudisco, Raffaella; Musco, Nadia; Pero, Maria E.; Morittu, Valeria M.; Grossi, Micaela; Mastellone, Vincenzo; Cavaliere, Gina; Wanapat, Metha; Infascelli, Federico; Lombardi, Pietro
 Influence of dietary hydrogenated palm oil supplementation on serum biochemistry and progesterone levels in dairy goats
 Animal Nutrition v. 5, 2019: p. 286-289
 DOI: 10.1016/j.aninu.2019.03.005

Keyword: Progesterone; Goat; Metabolism; Hydrogenated palm oil

No. 848

Bilska, Agnieszka; Kobus-Cisowska, Joanna; Kmiecik, Dominik; Danyluk, Bożena; Kowalski, Ryszard; Szymanowska, Daria; Gramza-Michałowska, Anna; Szczepaniak, Oskar
 Cholinesterase inhibitory activity, antioxidative potential and microbial stability of innovative liver pâté fortified with rosemary extract (Rosmarinus officinalis)
 Electronic Journal of Biotechnology v. 40, 2019: p. 22-29
 DOI: 10.1016/j.ejbt.2019.03.007

Keyword: Animal fat; Antioxidants; Cholinesterase; Essential oils; Liver pâté; Peroxide value; Rapeseed oil; Rosemary extract; TBARS

No. 849

Taniguchi, Yuji; Yanagihara, Itaru; Nakura, Yukiko; Ichikawa, Chihiro; Saito, Taizo; Appiah-Kwarteng, Cornelia; Matsuzaki, Motomichi; Fukumoto, Junpei; Nagamune, Kisaburo; Kyan, Hisako; Takasu, Masaki; Kitoh, Katsuya; Takashima, Yasuhiro

A *Toxoplasma gondii* strain isolated in Okinawa, Japan shows high virulence in Microminipigs

Parasitology International v. 72 , 2019 : p. 101935

DOI: 10.1016/j.parint.2019.101935

Keyword: Toxoplasmosis; Virulence; Japan; Microminipig

No. 850

Gan, Lei; Wu, Pei; Feng, Lin; Jiang, Wei-Dan; Liu, Yang; Jiang, Jun; Kuang, Sheng-Yao; Tang, Ling; Zhou, Xiao-Qiu

Erucic acid inhibits growth performance and disrupts intestinal structural integrity of on-growing grass carp (*Ctenopharyngodon idella*)

Aquaculture v. 513, 2019: p. 734437

DOI: 10.1016/j.aquaculture.2019.734437

Keyword: Apoptosis; Oxidative damage; Tight junction; Erucic acid; Intestinal segments

No. 851

Clegg, Frank M.; Sears, Margaret; Friesen, Margaret; Scarato, Theodora; Metzinger, Rob; Lee Russell, Cindy; Stadtner, Alex; Miller, Anthony B.

Building science and radiofrequency Radiation: What makes smart and healthy buildings

Building and Environment v. , 2019: p. 106324

DOI: 10.1016/j.buildenv.2019.106324

Keyword: Wi-Fi; Public health; Environmental health; Microwave radiation; Radiofrequency radiation; Smart building

No. 852

Slawinska, A.; Mendes, S.; Dunislawski, A.; Siwek, M.; Zampiga, M.; Sirri, F.; Meluzzi, A.; Tavaniello, S.; Maiorano, G.

Avian model to mitigate gut-derived immune response and oxidative stress during heat

Biosystems v. 178, 2019: p. 10-15

DOI: 10.1016/j.biosystems.2019.01.007

Keyword: Heat stress; Prebiotic; Broiler chicken; Galactooligosaccharides; Interleukines; stimulation

No. 853

Ali, Zeinab I.; Saudi, Adel M.; Albrecht, Ralph; Talaat, Adel M.

The inhibitory effect of nisin on *Mycobacterium avium* ssp. paratuberculosis and its effect on mycobacterial cell wall

Journal of Dairy Science v. 102, 2019: p. 4935-4944

DOI: 10.3168/jds.2018-16106

Keyword: milk; Johne's disease; nisin; ssp.

No. 854

Eklund, Ann; Johansson, Maria; Flykt, Anders; Andrén, Henrik; Frank, Jens

Believed effect - A prerequisite but not a guarantee for acceptance of carnivore management interventions

Biological Conservation v. , 2019: p. 108251

DOI: 10.1016/j.biocon.2019.108251

Keyword: Predation; Conflict mitigation; Human perceptions; Large carnivore; Potential for conflict index; Wildlife conflict

No. 855

Chen, Dechun; Miao, Zhiying; Peng, Muqiao; Xing, Houjuan; Zhang, Hongfu; Teng, Xiaohua

The co-expression of circRNA and mRNA in the thymuses of chickens exposed to ammonia

Ecotoxicology and Environmental Safety v. 176, 2019: p. 146-152

DOI: 10.1016/j.ecoenv.2019.03.076

Keyword: Chicken; Ammonia; Oxidative stress; Inflammation; circRNA; Thymus

No. 856

Girardeau, Mathieu; Watson, Hannah; Powell, Daniel; Vincze, Orsolya; Thomas, Frederic; Sepp, Tuul; Ujvari, Beata; Le Loc'h, Guillaume; Isaksson, Caroline

Will urbanisation affect the expression level of genes related to cancer of wild great tits?

Science of The Total Environment v. , 2019: p. 135793

DOI: 10.1016/j.scitotenv.2019.135793

Keyword: Cancer; Pollutants; Tumor-suppressor genes; Urbanization

No. 857

Chen, Yuanchen; Zang, Lu; Liu, Maodian; Zhang, Chunlong; Shen, Guofeng; Du, Wei; Sun, Zhe; Fei, Jie; Yang, Liyang; Wang, Yonghui; Wang, Xuejun; Zhao, Meirong
 Ecological risk assessment of the increasing use of the neonicotinoid insecticides along the east coast of China
 Environment International v. 127, 2019 : p. 550-557
 DOI: 10.1016/j.envint.2019.04.010

Keyword: Aquatic animals; Agricultural practices; Coastal water of China; Ecological risks; Neonicotinoids; Spatial and seasonal distribution

No. 859

Shome, Rajeswari; Deka, Ram Pratim; Miles, Ligi; Sahay, Swati; Grace, Delia; Lindahl, Johanna F.
 Coxiella seroprevalence and risk factors in large ruminants in Bihar and Assam, India
 Acta Tropica v. 194, 2019: p. 41-46
 DOI: 10.1016/j.actatropica.2019.03.022

Keyword: Seroepidemiology; Zoonosis; Q fever; India; Coxiella burnetti; Dairy production

No. 861

Gao, Bing; Wang, Lan; Cai, Zucong; Huang, Wei; Huang, Yunfeng; Cui, Shenghui
 Spatio-temporal dynamics of nitrogen use efficiencies in the Chinese food system, 1990–2017
 Science of The Total Environment v. , 2019: p. 134861
 DOI: 10.1016/j.scitotenv.2019.134861

Keyword: Control measures; Influence factors; N cost; N input; Provincial food system; Virtual NUE

No. 863

Abdalla, E.A.; Lopes, F.B.; Byrem, T.M.; Weigel, K.A.; Rosa, G.J.M.
 Genomic prediction of bovine leukosis incidence in a US Holstein population
 Livestock Science v. 225, 2019: p. 73-77
 DOI: 10.1016/j.livsci.2019.05.004

Keyword: Reliability; Genomic prediction; Bovine leukosis; Deregressed proofs; Prediction bias

No. 858

Zhuang, Zi-Xuan; Chen, Shuen-Ei; Chen, Chih-Feng; Lin, En-Chung; Huang, San-Yuan
 Genome-wide association study on the body temperature changes of a broiler-type strain Taiwan country chickens under acute heat stress
 Journal of Thermal Biology v. 82, 2019: p. 33-42
 DOI: 10.1016/j.jtherbio.2019.03.007

Keyword: Thermotolerance; Acute heat stress; Body temperature changes; Genome-wide association study; Taiwan country chickens

No. 860

Leal, Pollyana C.; Bispo, José Marcos M.; Engelberth, Rovenia C.G.J.; de A. Silva, Kayo Diogenes; Meurer, Yvliane R.; Ribeiro, Alessandra M.; Silva, Regina H.; Marchioro, Murilo; Santos, José R.
 Serotonergic dysfunction in a model of parkinsonism induced by reserpine
 Journal of Chemical Neuroanatomy v. 96, 2019: p. 73-78
 DOI: 10.1016/j.jchemneu.2018.12.011

Keyword: Animal model; Serotonin; Parkinson's disease; 5-HT

No. 862

Can, Özgün Emre; D'Cruze, Neil; Macdonald, David W.
 Dealing in deadly pathogens: Taking stock of the legal trade in live wildlife and potential risks to human health
 Global Ecology and Conservation v. 17, 2019: p. e00515
 DOI: 10.1016/j.gecco.2018.e00515

Keyword: Human health; Epidemics; Outbreaks; Pandemics; Wildlife trade; Zoonotic disease

No. 864

Bo, Feng; Yang, Wen-Tao; Shonyela, Seria Masole; Jin, Yu-Bei; Huang, Ke-Yan; Shao, Li-Na; Wang, Cong; Zhou, You; Li, Qiong-Yan; Jiang, Yan-Long; Huang, Hai-Bin; Shi, Chun-Wei; Wang, Jian-Zhong; Wang, Guan; Kang, Yuan-Huan; Yang, Gui-Lian; Wang, Chun-Feng
 Immune responses of mice inoculated with recombinant Lactobacillus plantarum NC8 expressing the fusion gene HA2 and 3M2e of the influenza virus and protection against different subtypes of influenza virus
 Virus Research v. 263, 2019: p. 64-72
 DOI: 10.1016/j.virusres.2019.01.001

Keyword: Immune response; Influenza virus; Oral immunization

No. 865

Zhou, Zuoyong; Li, Hexian; Tian, Shangquan; Yi, Wenyi; Zhou, Yang; Yang, Haoyue; Li, Xiao; Wu, Bi; Li, Xiaoxia; Wu, Junjun; Wang, Zhiying; Hu, Shijun; Fang, Rendong
Critical roles of NLRP3 inflammasome in IL-1 β secretion induced by *Corynebacterium pseudotuberculosis* in vitro
Molecular Immunology v. 116, 2019 : p. 11-17
DOI: 10.1016/j.molimm.2019.09.016

Keyword: Interleukin-1 β ; NF- κ B; NLRP3 inflammasome; p38MAPK; TLR4

No. 867

Finkemeier, Marie-Antoine; Oesterwind, Susann; Nürnberg, Gerd; Puppe, Birger; Langbein, Jan
Assessment of personality types in Nigerian dwarf goats (*Capra hircus*) and cross-context correlations to behavioural and physiological responses
Applied Animal Behaviour Science v. 217, 2019: p. 28-35
DOI: 10.1016/j.applanim.2019.05.004

Keyword: Personality; Ruminants; Dwarf goats; Farm animals; Personality types

No. 869

Hosseini, Leila; Farokhi-Sisakht, Fatemeh; Badalzadeh, Reza; Khabbaz, Aytak; Mahmoudi, Javad; Sadigh-Eteghad, Saeed
Nicotinamide Mononucleotide and Melatonin Alleviate Aging-induced Cognitive Impairment via Modulation of Mitochondrial Function and Apoptosis in the Prefrontal Cortex and Hippocampus
Neuroscience v. 423, 2019: p. 29-37
DOI: 10.1016/j.neuroscience.2019.09.037

Keyword: apoptosis; aging; learning and memory; melatonin; mitochondrial dysfunction; nicotinamide mononucleotide

No. 871

Singh, Raghunath; Bansal, Yashika; Sodhi, Rupinder Kaur; Saroj, Priyanka; Medhi, Bikash; Kuhad, Anurag
Modeling of antipsychotic-induced metabolic alterations in mice: An experimental approach precluding psychosis as a predisposing factor
Toxicology and Applied Pharmacology v. 378, 2019: p. 114643
DOI: 10.1016/j.taap.2019.114643

Keyword: Animal model; Metabolic syndrome; Weight gain; Antipsychotics; Olanzapine; Risperidone

No. 866

Silva, W.L.; Costa, J.P.R.; Caputti, G.P.; Lage Filho, N.M.; Ruggieri, A.C.; Reis, R.A.
Effects of grazing intensity and supplementation strategies on Tifton 85 production and on sheep performance
Small Ruminant Research v. 174, 2019: p. 118-124
DOI: 10.1016/j.smallrumres.2019.03.015

Keyword: Dry season; Grazed stratum; Light interception; Rainy season; Residual LAI

No. 868

Skelhorn, E.P.G.; Garcia-Ara, A.; Nova, R.J.; Kinston, H.; Wapenaar, W.
Public opinion and perception of rosé veal in the UK
Meat Science v. , 2019: p. 108032
DOI: 10.1016/j.meatsci.2019.108032

Keyword: Animal welfare; Meat consumption; Dairy calves; Consumer perception; Public awareness; Sustainable production

No. 870

Novossiolova, Tatyana; Whitman, Jim; Dando, Malcolm
Altering an appreciative system: Lessons from incorporating dual-use concerns into the responsible science education of biotechnologists
Futures v. 108, 2019: p. 53-60
DOI: 10.1016/j.futures.2019.02.001

Keyword: Appreciative system; Geoffrey Vickers; Life sciences; Responsibility; Weapons of mass destruction

No. 872

Li, Weidong; Xu, Haina; Yin, Yanbo; Shen, Wei; Sun, Qing-Yuan; Zhao, Minghui
In vitro production of canine blastocysts
Theriogenology v. 135, 2019: p. 164-168
DOI: 10.1016/j.theriogenology.2019.06.016

Keyword: Blastocyst; Canine embryo; culture (IVC); Parthenogenetic activation (PA); Qingdao agricultural University's (QAU-4) medium; Somatic cell nucleus transfer (SCNT)

No. 873

Costa, Edson V.; Ventura, Henrique T.; Veroneze, Renata; Silva, Fabyano F.; Pereira, Mariana A.; Lopes, Paulo S.

Bayesian linear-threshold censored models for genetic evaluation of age at first calving and stayability in Nellore cattle

Livestock Science v. 230 , 2019 : p. 103833

DOI: 10.1016/j.livsci.2019.103833

Keyword: Bovine; Censored records; Cross validation; Multiple-trait

No. 874

Tian, Ke; Liu, Junhui; Sun, Yawang; Wu, Yongjiang; Chen, Juncai; Zhang, Ruiming; He, Tianle; Dong, Guozhong

Effects of dietary supplementation of inulin on rumen fermentation and bacterial microbiota, inflammatory response and growth performance in finishing beef steers fed high or low-concentrate diet

Animal Feed Science and Technology v. 258, 2019: p. 114299

DOI: 10.1016/j.anifeeds.2019.114299

Keyword: Rumen; Bacterial microbiota; Beef steer; Inulin; Lipopolysaccharide

No. 875

Li, Mao; Zhou, Hanlin; Xu, Tieshan; Zi, Xuejuan

Effect of cassava foliage on the performance, carcass characteristics and gastrointestinal tract development of geese

Poultry Science v. 98, 2019: p. 2133-2138

DOI: 10.3382/ps/pey567

Keyword: carcass characteristics; cassava foliage; gastrointestinal tract development; geese; performance

No. 876

Goursot, Charlotte; Döpjan, Sandra; Tuchscherer, Armin; Puppe, Birger; Leliveld, Lisette M.C.

Visual laterality in pigs: monocular viewing influences emotional reactions in pigs

Animal Behaviour v. 154, 2019: p. 183-192

DOI: 10.1016/j.anbehav.2019.06.021

Keyword: animal welfare; heart rate variability; emotional conditioning; emotional valence hypothesis

No. 877

Comin, Arianna; Jeremiasson, Alexandra; Kratzer, Gilles; Keeling, Linda

Revealing the structure of the associations between housing system, facilities, management and welfare of commercial laying hens using Additive Bayesian Networks

Preventive Veterinary Medicine v. 164, 2019: p. 23-32

DOI: 10.1016/j.prevetmed.2019.01.004

Keyword: Poultry; Animal welfare; Additive Bayesian Network; Multivariate modelling

No. 878

Sato, Joyce; Ogawa, Camilla Y.L.; Sandrini, Marcelo; Medina, Antonio N.; Sato, Francielle; Vasconcellos, Ricardo S.

Study of keratin hair of domestic cat under methionine and cystine experimental diet using FT-Raman spectroscopy

Vibrational Spectroscopy v. 100, 2019: p. 1-5

DOI: 10.1016/j.vibspec.2018.11.001

Keyword: Keratin; Cat hair; Cysteine; Raman spectroscopy

No. 879

Sharma, Sunil Kumar; Bansal, Mohinder Pal; Sandhir, Rajat

Altered dietary selenium influences brain iron content and behavioural outcomes

Behavioural Brain Research v. 372, 2019: p. 112011

DOI: 10.1016/j.bbr.2019.112011

Keyword: Selenium; Behaviour; Oxidative stress; Brain; Glutathione peroxidase; Iron

No. 880

El Bizri, Hani Rocha; Fa, John E.; Valsecchi, João; Bodmer, Richard; Mayor, Pedro

Age at sexual maturity, first parturition and reproductive senescence in wild lowland pacas (Cuniculus paca): Implications for harvest sustainability

Animal Reproduction Science v. 205, 2019: p. 105-114

DOI: 10.1016/j.anireprosci.2019.04.009

Keyword: Reproduction; Hunting; Amazon; Community-based collection; Rodentia

No. 881

Zaccarelli-Magalhães, Julia; Sandini, Thaisa Meira; de Abreu, Gabriel Ramos; Petrocelli, Bianca Maria; Moreira, Natalia; Reis-Silva, Thiago Moirinho; Lebrun, Ivo; Flório, Jorge Camilo; Ricci, Esther Lopes; Fukushima, André Rinaldi; Faria Waziry, Paula A.;

Prolonged exposure of rats to varenicline increases anxiety and alters serotonergic system, but has no effect on memory

Pharmacology Biochemistry and Behavior v. 181 , 2019 : p. 1-8

DOI: 10.1016/j.pbb.2019.03.009

Keyword: Memory; Anxiety; Central nervous system; Cholinergic receptors; Varenicline

No. 882

Platel, A.; Privat, K.; S.Talahari; Delobel, A.; Dourdin, G.; Gateau, E.; Simar, S.; Saleh, Y.; Sotty, J.; Antherieu, S.; Canivet, L.; Alleman, L.-Y.; Perdrix, E.; Garçon, G.; Denayer, F.O.; Lo Guidice, J.M.; Nesslany, F.

Study of in vitro and in vivo genotoxic effects of air pollution fine (PM2.5-0.18) and quasi-ultrafine (PM0.18) particles on lung models

Science of The Total Environment v. , 2019: p. 134666

DOI: 10.1016/j.scitotenv.2019.134666

Keyword: Animal model; Air pollution; Fine and ultrafine particles; Genotoxicity; Human lung cell models

No. 883

Grant, Emily P.; Wickham, Sarah L.; Anderson, Fiona; Barnes, Anne L.; Fleming, Patricia A.; Miller, David W.

Behavioural assessment of sheep is sensitive to level of gastrointestinal parasite infection

Applied Animal Behaviour Science v. , 2019: p. 104920

DOI: 10.1016/j.applanim.2019.104920

Keyword: Sheep; Animal welfare; Gastrointestinal parasites; Qualitative behavioural assessment (QBA)

No. 884

He, Yanhao; Yang, Guangde; Yao, Feng; Xian, Yushan; Wang, Guan; Chen, Lifang; Lv, Xiaohan; Gao, Hongqian; Zheng, Zihan; Sun, Lijing; Wang, Weirong; Lin, Rong

Sitagliptin inhibits vascular inflammation via the SIRT6-dependent signaling pathway

International Immunopharmacology v. 75, 2019: p. 105805

DOI: 10.1016/j.intimp.2019.105805

Keyword: Inflammation; ROS; SIRT6; Sitagliptin

No. 885

Parham, Jamie T.; Tanner, Amy E.; Barkley, Katharine; Pullen, Lyla; Wahlberg, Mark L.; Swecker, William S.; Lewis, Ronald M.

Temperamental cattle acclimate more substantially to repeated handling

Applied Animal Behaviour Science v. 212, 2019: p. 36-43

DOI: 10.1016/j.applanim.2019.01.001

Keyword: Beef cattle; Temperament; Acclimation; Docility; Repeated handling

No. 886

Hooykaas, Michiel J.D.; Schilthuis, Menno; Aten, Cathelijn; Hemelaar, Elisabeth M.; Albers, Casper J.; Smeets, Ionica

Identification skills in biodiversity professionals and laypeople: A gap in species literacy

Biological Conservation v. 238, 2019: p. 108202

DOI: 10.1016/j.biocon.2019.108202

Keyword: Biodiversity; Biodiversity awareness; Knowledge gap; Native species; Science communication; Species knowledge

No. 887

Villot, C.; Ma, T.; Renaud, D.L.; Ghaffari, M.H.; Gibson, D.J.; Skidmore, A.; Chevaux, E.; Guan, L.L.; Steele, M.A.

Saccharomyces cerevisiae boulardii CNCM I-1079 affects health, growth, and fecal microbiota in milk-fed veal calves

Journal of Dairy Science v. 102, 2019: p. 7011-7025

DOI: 10.3168/jds.2018-16149

Keyword: growth; diarrhea; fecal microbiota

No. 888

Cowieson, A.J.; Vieira, S.L.; Stefanello, C.

Exogenous Microbial Amylase in the Diets of Poultry: What do We Know?

Journal of Applied Poultry Research v. 28, 2019: p. 556-565

DOI: 10.3382/japr/pfy044

Keyword: poultry; amylase; digestion; nutrition; starch

No. 889

Niigaki, Suzy Tamie; Peres, Fernanda Fiel; Ferreira, Lizia; Libanio, Tania; Gouvea, Douglas Albuquerque; Levin, Raquel; Almeida, Valeria; Silva, Neide Derci; Diana, Mariana Cepollaro; Suima, Mayra Akimi; Calzavara, Mariana Bendlin; Abilio, Vanessa Costhe
 Young spontaneously hypertensive rats (SHRs) display prodromal schizophrenia-like behavioral abnormalities
 Progress in Neuro-Psychopharmacology and Biological Psychiatry v. 90, 2019 : p. 169-176
 DOI: 10.1016/j.pnpbp.2018.11.020

Keyword: Animal model; Schizophrenia; Prodromal phase

No. 891

Arnet, Evan
 William Timberlake: An Ethologist's Psychologist
 Behavioural Processes v. 166, 2019: p. 103895
 DOI: 10.1016/j.beproc.2019.103895

Keyword: Reinforcement; Ethology; Behavior Systems; Comparative Psychology; William Timberlake

No. 893

Lambert, Patrick; Lassalle, Géraldine; Acolas, Marie-Laure; Bau, Frédérique; Castelnaud, Gérard; Daverat, Françoise; Jatteau, Philippe; Rigaud, Christian; Rochard, Eric; Roqueplo, Charles; de Jouvenel, François
 A foresight analysis in fisheries science: The case study of migratory fish research
 Futures v. 111, 2019: p. 90-103
 DOI: 10.1016/j.futures.2019.06.001

Keyword: Diadromous fishes; Futures study; Research activities; Scenarios; Strategic orientations

No. 895

Perez, B.C.; Balieiro, J.C.C.; Oliveira Junior, G.A.; Andrietta, L.T.; Vizoná, R.G.; Ventura, R.V.; Bruneli, F.A.T.; Peixoto, M.G.C.D.
 State of inbreeding and genetic trends for estimated breeding values in IVF embryos and oocyte donors in the Brazilian Guzerá cattle
 Theriogenology v. 125, 2019: p. 71-78
 DOI: 10.1016/j.theriogenology.2018.10.025

Keyword: Genetic trends; In-vitro fertilization; Inbreeding; Ovum-pick up; Zebu cattle

No. 890

Gelardi, Valeria; Fagot, Joël; Barrat, Alain; Claidière, Nicolas
 Detecting social (in)stability in primates from their temporal co-presence network
 Animal Behaviour v. 157, 2019: p. 239-254
 DOI: 10.1016/j.anbehav.2019.09.011

Keyword: animal social network; automatic cognitive testing; co-presence network; dynamic network; social balance

No. 892

Façanha, Débora Andréa E.; Ferreira, Josiel B.; Morais Leite, Jacinara Hody G.; de Sousa, José Ernandes R.; Guilhermino, Magda M.; Costa, Wirtton P.; Bermejo Asensio, Luis A.; de Vasconcelos, Angela Maria; Silveira, Robson Mateus F.
 The dynamic adaptation of Brazilian Brahman bulls
 Journal of Thermal Biology v. 81, 2019: p. 128-136
 DOI: 10.1016/j.jtherbio.2019.02.016

Keyword: Beef cattle; Multivariate analysis; Seasons; Thyroid; Tropical conditions

No. 894

Korotkova, Daria D.; Lyubetsky, Vassily A.; Ivanova, Anastasia S.; Rubanov, Lev I.; Seliverstov, Alexander V.; Zverkov, Oleg A.; Martynova, Natalia Yu.; Nesterenko, Alexey M.; Tereshina, Maria B.; Peshkin, Leonid; Zaraksky, Andrey G.
 Bioinformatics Screening of Genes Specific for Well-Regenerating Vertebrates Reveals c-answer, a Regulator of Brain Development and Regeneration
 Cell Reports v. 29, 2019: p. 1027-1040.e6
 DOI: 10.1016/j.celrep.2019.09.038

Keyword: bioinformatics screening; FGF signaling; forebrain; genes extinction; genome evolution; purinergic signaling; regeneration

No. 896

Bauman, C.A.; Jones-Bitton, Andria; Jansen, Jocelyn; Kelton, David; Menzies, Paula
 Evaluation of bulk tank milk PCR and bulk tank milk modified ELISA tests for the detection of paratuberculosis at the herd level in goat and sheep dairies in Ontario, Canada
 Journal of Dairy Science v. 102, 2019: p. 511-520
 DOI: 10.3168/jds.2018-15020

Keyword: bulk tank milk; dairy goats; dairy sheep; paratuberculosis

No. 897

Moreira, N.; Torres, M.A.; Navas-Suárez, P.E.; Gonçalves, V.; Raspantini, P.C.F.; Raspantini, L.E.R.; Gotardo, A.T.; Andrade, A.F.C.; Spinoso, H.S. Ivermectin does not interfere with seminal and hormonal parameters in male rabbits

Theriogenology v. 124 , 2019 : p. 32-38

DOI: 10.1016/j.theriogenology.2018.09.029

Keyword: Testosterone; Andrological evaluation; Avermectin; Spermatozoa characteristics

No. 898

Xie, Lang; Tao, Yixi; Wu, Ronghua; Ye, Qin; Xu, Hao; Li, Yun

Congenital asplenia due to a *tlx1* mutation reduces resistance to *Aeromonas hydrophila* infection in zebrafish

Fish & Shellfish Immunology v. 95, 2019: p. 538-545

DOI: 10.1016/j.fsi.2019.10.065

Keyword: Congenital asplenia; Disease resistance; knock-out

No. 899

Pérez, Tania; Alba, Claudio; Aparicio, Marina; de Andrés, Javier; Ruiz Santa Quiteria, José A.; Rodríguez, Juan M.; Gibello, Alicia

Abundant bacteria in the proximal and distal intestine of healthy Siberian sturgeons (*Acipenser baerii*)

Aquaculture v. 506, 2019: p. 325-336

DOI: 10.1016/j.aquaculture.2019.03.055

Keyword: Bacteria in healthy fish; Development of probiotics in aquaculture; Gut bacterial communities; Site-specific gut microbiota; Sturgeon microbiomes

No. 900

Gomes Noll, Jéssica Caroline; Joshi, Lok Raj; do Nascimento, Gabriela Mansano; Vieira Fernandes, Maureen Hoch; Sharma, Bishwas; Furtado Flores, Eduardo; Diel, Diego Gustavo

Deletion of the thymidine kinase gene attenuates Caprine alphaherpesvirus 1 in goats

Veterinary Microbiology v. 237, 2019: p. 108370

DOI: 10.1016/j.vetmic.2019.07.022

Keyword: Animal alphaherpesvirus; Attenuation; Caprine viruses; CpHV-1; gene

No. 901

Fischer, Klara; Sjöström, Karin; Stiernström, Arvid; Emanuelson, Ulf

Dairy farmers' perspectives on antibiotic use: A qualitative study

Journal of Dairy Science v. 102, 2019: p. 2724-2737

DOI: 10.3168/jds.2018-15015

Keyword: antibiotic; biosecurity; dairy; farmer behavior

No. 902

Li, Xiaohui; Xing, Li

Use of Unmanned Aerial Vehicles for Livestock Monitoring based on Streaming K-Means Clustering**This work was supported by the Australian Research Council.

IFAC-PapersOnLine v. 52, 2019: p. 324-329

DOI: 10.1016/j.ifacol.2019.12.560

Keyword: Autonomous UAV; Livestock Monitoring; Optimal Deployment; Streaming K-Means Clustering; Wireless Sensor Network

No. 903

Alvarez, Lorenzo; Adcock, Sarah J.J.; Tucker, Cassandra B.

Sensitivity and wound healing after hot-iron disbudding in goat kids

Journal of Dairy Science v. 102, 2019: p. 10152-10162

DOI: 10.3168/jds.2018-16062

Keyword: animal welfare; cautery dehorning; mechanical nociceptive threshold; pressure algometry

No. 904

Ponnampalam, E.N.; Kerr, M.G.; Butler, K.L.; Cottrell, J.J.; Dunshea, F.R.; Jacobs, J.L.

Filling the out of season gaps for lamb and hogget production: Diet and genetic influence on carcass yield, carcass composition and retail value of meat

Meat Science v. 148, 2019: p. 156-163

DOI: 10.1016/j.meatsci.2018.08.027

Keyword: Camelina supplementation; Carcass yield; Composite lamb; Merino hogget; Retail value of meat; Sheep meat

No. 905

Soar, Jasmeet; Maconochie, Ian; Wyckoff, Myra H.; Olasveengen, Theresa M.; Singletary, Eunice M.; Greif, Robert; Aickin, Richard; Bhanji, Farhan; Donnino, Michael W.; Mancini, Mary E.; Wyllie, Jonathan P.; Zideman, David; Andersen, Lars W.; Atkins, Dianne
 2019 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations

Resuscitation v. 145 , 2019 : p. 95-150

DOI: 10.1016/j.resuscitation.2019.10.016

Keyword: AHA Scientific Statements; Airway management; Cardiopulmonary resuscitation; Child; Epinephrine; Extracorporeal circulation; Heart arrest; Infant

No. 907

Vasanth Ruban, Vasanthakumar; Anbukkarasi, Muniyandi; Anand, Thiraviyam; Thomas, Philip A.; Geraldine, Pitchairaj
 Oxidative stress in corneal tissue in experimental keratitis due to *Aspergillus flavus*: Effect of topical voriconazole therapy
 Biocatalysis and Agricultural Biotechnology v. 21, 2019: p. 101323

DOI: 10.1016/j.bcab.2019.101323

Keyword: Oxidative stress; Cornea; Antioxidants; Keratitis; Voriconazole

No. 909

Ahmadipour, Behnam; Kalantar, Majid; Schreurs, Nicola M.; Raza, Sayed Haidar Abbas; Khan, Rajwali; Khan, Samiullah; Abd El-Aziz, Ayman Hassan; Memon, Sameeullah; Ullah, Irfan; Samira, Abaszadeh
 Flavonoid bioactive compounds of hawthorn extract can promote growth, regulate electrocardiogram waves, and improve cardiac parameters of pulmonary hypertensive chickens
 Poultry Science v. , 2019: p.

DOI: 10.1016/j.psj.2019.10.022

Keyword: chicken; cardiac parameter; electrocardiography; hawthorn; PHS

No. 911

Donadelli, R A; Jones, C K; Beyer, R S

The amino acid composition and protein quality of various egg, poultry meal by-products, and vegetable proteins used in the production of dog and cat diets

Poultry Science v. 98, 2019: p. 1371-1378

DOI: 10.3382/ps/pey462

Keyword: pet food; poultry by-products; poultry protein; protein efficiency ratio; vegetable protein

No. 906

El-Halawany, Nermin; El-Werdany, Afaf; El-Sayed, Yasmin A.; Shawky, Abd-El-Monsif A.; Al-Tohamy, Ahmed F.; Abdel-Shafy, Hamdy; Abd-El-Razek, Fathy M.

Characterization of growth hormone gene (GH) in three Egyptian goat breeds

Meta Gene v. 20, 2019: p. 100556

DOI: 10.1016/j.mgene.2019.100556

Keyword: Egyptian goat; Growth hormone gene; Nucleotide variants; Sequence analysis

No. 908

Li, X.P.; Tan, Z.L.; Jiao, J.Z.; Long, D.L.; Zhou, C.S.; Yi, K.L.; Liu, C.H.; Kang, J.H.; Wang, M.; Duan, F.H.; Tang, S.X.; He, Z.X.; Han, X.F.

Supplementation with fat-coated rumen-protected glucose during the transition period enhances milk production and influences blood biochemical parameters of liver function and inflammation in dairy cows

Animal Feed Science and Technology v. 252, 2019: p. 92-102

DOI: 10.1016/j.anifeedsci.2019.04.010

Keyword: Digestibility; Glucose; Blood metabolites; Transition cow

No. 910

Bos, Jeroen J.; Vinck, Martin; Marchesi, Pietro; Keestra, Amos; van Mourik-Donga, Laura A.; Jackson, Jadin C.; Verschure, Paul F.M.J.; Pennartz, Cyriel M.A.

Multiplexing of Information about Self and Others in Hippocampal Ensembles

Cell Reports v. 29, 2019: p. 3859-3871.e6

DOI: 10.1016/j.celrep.2019.11.057

Keyword: social behavior; CA1; decoding; information theory; interneuron; mutual information; place cells; place field; robot; tetrode

No. 912

Hernández-Castellano, Lorenzo E.; Moreno-Indias, Isabel; Sánchez-Macías, Davinia; Morales-delaNuez, Antonio; Torres, Alexandr; Argüello, Anastasio; Castro, Noemí

Sheep and goats raised in mixed flocks have diverse immune status around parturition

Journal of Dairy Science v. 102, 2019: p. 8478-8485

DOI: 10.3168/jds.2019-16731

Keyword: sheep; goat; chitotriosidase; complement system; immunoglobulin

No. 913

Slosarkova, Sona; Bzdil, Jaroslav; Nedbalcova, Katerina; Matiasovic, Jan; Fleischer, Petr; Stanek, Stanislav

New sequence type ST3756 of *Staphylococcus aureus* subspecies *anaerobius* as the causative agent of abscessing lymphadenitis in sheep
Comparative Immunology, Microbiology and Infectious Diseases v. 63 , 2019 : p. 112-116

DOI: 10.1016/j.cimid.2019.01.008

Keyword: Europe; Autogenous vaccine; Morel's disease; Therapy

No. 915

Rossi, Guilherme Fazan; Ribeiro Dias, Erika Aline; Bastos, Natália Marins; Vrisman, Dayane Priscila; Rodrigues, Naiara Nantes; Vantini, Roberta; Garcia, Joaquim Mansano; Simili, Flávia Fernanda; Ribeiro, Enilson Geraldo; Canesin, Roberta Carrilho; Zerlott

Sexual maturity and fertility-related measures in young Nelore bulls receiving long-term dietary supplementation with rumen-protected polyunsaturated fatty acids

Theriogenology v. 139, 2019: p. 16-27

DOI: 10.1016/j.theriogenology.2019.07.021

Keyword: Semen; Embryo; Ruminant; Nutrition; Male sexual function

No. 917

Wild, Katharina Judith; Trautmann, Andreas; Katzenmeyer, Mirco; Steingaß, Herbert; Posten, Clemens; Rodehutschord, Markus

Chemical composition and nutritional characteristics for ruminants of the microalgae *Chlorella vulgaris* obtained using different cultivation conditions

Algal Research v. 38, 2019: p. 101385

DOI: 10.1016/j.algal.2018.101385

Keyword: Rumen; Microalgae; Nutritional value; Photoautotrophic growth

No. 919

Vanek, Daniel; Rihova, Pavla; Ehler, Edvard; Dalihodova, Simona; Stikarova, Radka; Vankova, Lenka; Strnad, Zdenek

STRAND: A Cloud expert system for non-human DNA analysis

Forensic Science International: Genetics Supplement Series v. 7, 2019: p. 147-149

DOI: 10.1016/j.fsigss.2019.09.057

Keyword: Animal DNA; DNA database; STR analysis

No. 914

Jia, Huiqun; Jia, Chenqi; An, Quanli; Cheng, Yuyao; Jiang, Xianlei; Xu, Yue; Zhao, Ruolin; Peng, Wei; Zhang, Yong; Su, Jianmin

Ochratoxin A exposure causes meiotic failure and oocyte deterioration in mice

Theriogenology v. , 2019: p.

DOI: 10.1016/j.theriogenology.2019.11.005

Keyword: Oxidative stress; Ochratoxin A; Epigenetic change; Oocyte development

No. 916

Karamnejad, K.; Sari, M.; Salari, S.; Chaji, M.

Effects of nitrogen source on the performance and feeding behavior of lambs fed a high concentrate diet containing pomegranate peel

Small Ruminant Research v. 173, 2019: p. 9-16

DOI: 10.1016/j.smallrumres.2019.02.004

Keyword: Behavior; Digestibility; Dietary protein; Growth performance; Fattening lambs; Pomegranate peel

No. 918

Tamminen, Lena-Mari; Söderlund, Robert; Wilkinson, David A.; Torstein, Maria; Eriksson, Erik; Churakov, Mikhail; Dicksved, Johan; Keeling, Linda J.; Emanuelson, Ulf

Risk factors and dynamics of verotoxigenic *Escherichia coli* O157:H7 on cattle farms: An observational study combining information from questionnaires, spatial data and molecular analyses

Preventive Veterinary Medicine v. 170, 2019: p. 104726

DOI: 10.1016/j.prevetmed.2019.104726

Keyword: Epidemiology; Clade 8; EHEC; Transmission; VTEC O157

No. 920

Jeelani, Rakhshan; Konwar, Dipanjali; Khan, Asma; Kumar, Dharendra; Chakraborty, Dibyendu; Brahma, Biswajit

Reassessment of temperature-humidity index for measuring heat stress in crossbred dairy cattle of a sub-tropical region

Journal of Thermal Biology v. 82, 2019: p. 99-106

DOI: 10.1016/j.jtherbio.2019.03.017

Keyword: Heat stress; Hsf; Hsp70; Temperature humidity index; Thermal imaging

No. 921

Liebers, Christopher J.; Schwarzer, Angela; Erhard, Michael; Schmidt, Paul; Louton, Helen
 The influence of environmental enrichment and stocking density on the plumage and health conditions of laying hen pullets
 Poultry Science v. 98, 2019 : p. 2474-2488
 DOI: 10.3382/ps/pez024
Keyword: environmental enrichment; plumage condition; pullet; rearing period; stocking density

No. 923

Li, Xiaomin; Dong, Shujun; Wang, Ruiguo; Wang, Peilong; Ruan, Zheng; Sun, Xiaoming; Rao, Qinxiong; Liu, Zehui; Su, Xiaoou
 Novel brominated flame retardant (NBFR) concentrations and spatial distributions in global fishmeal
 Ecotoxicology and Environmental Safety v. 170, 2019: p. 306-313
 DOI: 10.1016/j.ecoenv.2018.11.112
Keyword: Fishmeal; Global; Animal feeds; Novel brominated flame retardants

No. 925

Cheng, Qiang; Xia, Yi; Yi, Dan; Hou, Yongqing; Duan, Rui; Guo, Shuangshuang; Ding, Binying
 The Intestinal Cinnamaldehyde Release and Antioxidative Capacity of Broiler Chickens Fed Diets Supplemented with Coated Oleum Cinnamomi
 Journal of Applied Poultry Research v. 28, 2019: p. 1058-1068
 DOI: 10.3382/japr/pfz068
Keyword: broiler chicken; antioxidative capacity; cinnamaldehyde; coated

No. 927

Bo Trabi, Ehab; Seddik, Hossam-eldin; Xie, Fei; Lin, Limei; Mao, Shengyong
 Comparison of the rumen bacterial community, rumen fermentation and growth performance of fattening lambs fed low-grain, pelleted or non-pelleted high grain total mixed ration
 Animal Feed Science and Technology v. 253, 2019: p. 1-12
 DOI: 10.1016/j.anifeedsci.2019.05.001
Keyword: 16S rRNA; High-grain diet; Pelleted feed; Pentose phosphate pathway; Simple sugars fermenters

No. 922

Mehta, Bina K.; Banerjee, Sugato
 Minocycline reverses diabetes-associated cognitive impairment in rats
 Pharmacological Reports v. 71, 2019: p. 713-720
 DOI: 10.1016/j.pharep.2019.03.012
Keyword: Cognition; Type 2 diabetes; Learning and memory; Neuroinflammation

No. 924

Martin, Victoria Y.; Greig, Emma I.
 Young adults' motivations to feed wild birds and influences on their potential participation in citizen science: An exploratory study
 Biological Conservation v. 235, 2019: p. 295-307
 DOI: 10.1016/j.biocon.2019.05.009
Keyword: Conservation; Barriers; Diversity; Motivations; Public participation in scientific research; Wild bird feeding

No. 926

Janakiraman, Udaiyappan; Yu, Jie; Moutal, Aubin; Chinnasamy, Dhanalakshmi; Boinon, Lisa; Batchelor, Shelby N.; Anandhan, Annaduri; Khanna, Rajesh; Nelson, Mark A.
 TAF1-gene editing alters the morphology and function of the cerebellum and cerebral cortex
 Neurobiology of Disease v. 132, 2019: p. 104539
 DOI: 10.1016/j.nbd.2019.104539
Keyword: CRISPR/Cas9; Cerebellum; Intellectual disability syndrome; TAF1; X-linked disorder

No. 928

Argov-Argaman, Nurit
 Symposium review: Milk fat globule size: Practical implications and metabolic regulation
 Journal of Dairy Science v. 102, 2019: p. 2783-2795
 DOI: 10.3168/jds.2018-15240
Keyword: lipid droplet; membrane; milk fat globule; mitochondria; phosphatidylethanolamine

No. 929

Mahmoudieh, Mohsen; Keleidari, Behrouz; Esfahani, Farid Nasr; Zolfaghari, Behzad; Melali, Hamid; Jazi, Amir Hosein Davarpanah; Mehdinezhad, Negin; Mokhtari, Mojgan

The effect of Punica granatum L. flower extract on post-surgical peritoneal adhesions in a rat model

European Journal of Obstetrics & Gynecology and Reproductive Biology v. , 2019 : p.

DOI: 10.1016/j.ejogrb.2019.12.034

Keyword: pomegranate; punica granatum; Surgical Adhesion

No. 930

Baldissera, Matheus D.; Souza, Carine F.; Descovi, Sharine N.; Verdi, Camila M.; Santos, Roberto C.V.; da Silva, Aleksandro S.; Baldisserotto, Bernardo

Impairment of branchial energy transfer pathways in disease pathogenesis of *Providencia reitti* infection in juvenile Nile tilapia (*Oreochromis niloticus*): Remarkable involvement of creatine kinase activity

Aquaculture v. 502, 2019: p. 365-370

DOI: 10.1016/j.aquaculture.2018.12.074

Keyword: Oxidative stress; Disease pathogenesis; Adenosine triphosphate; ATP-dependent enzymes

No. 931

Stanisz, Marek; Skorupski, Maciej; Ślósarz, Piotr; Bykowska-Maciejewska, Marta; Składanowska-Baryza, Joanna; Stańczak, Łukasz; Krokowska-Paluszak, Małgorzata; Ludwiczak, Agnieszka

The seasonal variation in the quality of venison from wild fallow deer (*Dama dama*) – A pilot study

Meat Science v. 150, 2019: p. 56-64

DOI: 10.1016/j.meatsci.2018.12.003

Keyword: Effect of season; Vacuum packaging; Venison quality; Wild fallow deer

No. 932

Hinton, Thomas G.; Byrne, Michael E.; Webster, Sarah C.; Love, Cara N.; Broggio, David; Trompier, Francois; Shamovich, Dmitry; Horloogin, Sergay; Lance, Stacey L.; Brown, Justin; Dowdall, Mark; Beasley, James C.

GPS-coupled contaminant monitors on free-ranging Chernobyl wolves challenge a fundamental assumption in exposure assessments

Environment International v. 133, 2019: p. 105152

DOI: 10.1016/j.envint.2019.105152

Keyword: Chernobyl; Environmental risk assessment; External exposure; Model verification; Radiation dose; Wolves

No. 933

Jonsson, Nicholas N.; Gilbert, Gillian; MacGillivray, Fiona S.

Livestock Management in Red-Billed Cough Feeding Habitat in Great Britain and the Isle of Man

Rangeland Ecology & Management v. , 2019: p.

DOI: 10.1016/j.rama.2019.10.009

Keyword: anthelmintic; triclabendazole; acaricide; coleoptera; diptera; synthetic pyrethroids

No. 934

Mousavi-Hasanzadeh, Morteza; Rezaeian-Varmaziar, Hesamodin; Shafaat, Omid; Jand, Aboulfazl; Palizvan, Mohammad Reza

The effect of co-administration of pentylentetrazole with pilocarpine: New modified PTZ models of kindling and seizure

Pharmacology Biochemistry and Behavior v. 182, 2019: p. 7-11

DOI: 10.1016/j.pbb.2019.04.010

Keyword: Seizure; Kindling; Pentylentetrazole; Phenytoin; Pilocarpine; Sodium valproate

No. 935

De Maesschalck, Celine; Eeckhaut, Venessa; Maertens, Luc; De Lange, Loek; Marchal, Leon; Daube, Georges; Dewulf, Jeroen; Haesebrouck, Freddy; Ducatelle, Richard; Taminiau, Bernard; Van Immerseel, Filip

Amorphous cellulose feed supplement alters the broiler caecal microbiome

Poultry Science v. 98, 2019: p. 3811-3817

DOI: 10.3382/ps/pez090

Keyword: broilers; cellulose; microbiota

No. 936

Beeton, Tyler A.; McNeeley, Shannon M.; Miller, Brian W.; Ojima, Dennis S.

Grounding simulation models with qualitative case studies: Toward a holistic framework to make climate science usable for US public land management

Climate Risk Management v. 23, 2019: p. 50-66

DOI: 10.1016/j.crm.2018.09.002

Keyword: Social science; Adaptation; Vulnerability; Actionable science; Ecological drought; Social-ecological systems

No. 937

Chaiban, Celia; Biscio, Christophe; Thanapongtharm, Weerapong; Tildesley, Michael; Xiao, Xiangming; Robinson, Timothy P.; Vanwambeke, Sophie O.; Gilbert, Marius
Point pattern simulation modelling of extensive and intensive chicken farming in Thailand: Accounting for clustering and landscape characteristics

Agricultural Systems v. 173 , 2019 : p. 335-344

DOI: 10.1016/j.agsy.2019.03.004

Keyword: Agricultural intensification; Farm distribution model; Livestock production systems; Point pattern analysis

No. 939

Danduga, Ravi Chandra Sekhara Reddy; Dondapati, Subba Reddy; Kola, Phani Kumar; Kavati, Sanith Satya Has; Singapalli, Meenakshi Seshadri
Combination effect of Aspirin and N-acetylcysteine against global cerebral ischemic reperfusion injury in rats

Neurology, Psychiatry and Brain Research v. 33, 2019: p. 101-111

DOI: 10.1016/j.npbr.2019.07.006

Keyword: Histopathology; Oxidative stress; Aspirin; Global cerebral ischemia; N-acetylcysteine; Proinflammatory cytokines

No. 941

van der Heide, E.M.M.; Veerkamp, R.F.; van Pelt, M.L.; Kamphuis, C.; Athanasiadis, I.; Ducro, B.J.

Comparing regression, naive Bayes, and random forest methods in the prediction of individual survival to second lactation in Holstein cattle
Journal of Dairy Science v. 102, 2019: p. 9409-9421

DOI: 10.3168/jds.2019-16295

Keyword: machine learning; naive Bayes; phenotypic prediction; random forest; regression

No. 943

Moussa, H.O.; Keambou, T.C.; Hima, K.; Issa, S.; Motsa'a, S.J.; Bakasso, Y.

Indigenous Chicken production in Niger
Veterinary and Animal Science v. 7, 2019: p. 100040

DOI: 10.1016/j.vas.2018.11.001

Keyword: Local chicken; Breeding; Diversity; Characterization; Niger

No. 938

de Oliveira, Daiana; Keeling, Linda Jane; Paranhos da Costa, Mateus José Rodrigues

Individual variation over time in piglet's reactions to early handling and its association to weight gain

Applied Animal Behaviour Science v. 215, 2019: p. 7-12

DOI: 10.1016/j.applanim.2019.04.005

Keyword: Performance; Behaviour; Pigs; Developmental plasticity; Ontogeny; Tactile stimulation

No. 940

Singhal, Tinku; Mujeeb, Mohd.; Ahad, Abdul; Aqil, Mohd.; Rahman, Syed Obaidur; Najmi, Abul Kalam; Siddiqui, Waseem Ahmad

Preparation, optimization and biological evaluation of gymnemic acid loaded niosomes against streptozotocin-nicotinamide induced diabetic-nephropathy in Wistar rats

Journal of Drug Delivery Science and Technology v. 54, 2019: p. 101328

DOI: 10.1016/j.jddst.2019.101328

Keyword: Oxidative stress; Streptozotocin; Diabetic nephropathy; Gymnemic acid; Hyperglycemia; Niosomes

No. 942

Macedo, G.G.; Mingoti, R.D.; Batista, E.O.S.; Monteiro, B.M.; Vieira, L.M.; Barletta, R.V.; Wiltbank, M.C.; Nogueira, G.P.; Rennó, F.P.; Maio, J.R.; Baruselli, P.S.

Profile of LH release in response to intramuscular treatment with kisspeptin in Bos indicus and Bos taurus prepubertal heifers

Theriogenology v. 125, 2019: p. 64-70

DOI: 10.1016/j.theriogenology.2018.10.011

Keyword: Kiss1; Kiss1r; kisspeptin; LH release

No. 944

Hulbert, L.E.; Calvo-Lorenzo, M.S.; Ballou, M.A.; Klasing, K.C.; Mitloehner, F.M.

Space allowance influences individually housed Holstein male calves' age at feed consumption, standing behaviors, and measures of immune resilience before and after step-down weaning

Journal of Dairy Science v. 102, 2019: p. 4506-4521

DOI: 10.3168/jds.2018-15368

Keyword: bovine; stress; immune

No. 945

Boileau, Anik; Farish, Marianne; Turner, Simon P.; Camerlink, Irene
 Infrared thermography of agonistic behaviour in pigs
 Physiology & Behavior v. 210 , 2019 : p. 112637
 DOI: 10.1016/j.physbeh.2019.112637

Keyword: Pig; Physiology; Aggression; Contest; Emotion; Thermography

No. 946

Gonçalves-Santos, Elda; Vilas-Boas, Diego F.; Diniz, Livia F.; Veloso, Marcia P.; Mazzeti, Ana L.; Rodrigues, Maria R.; Oliveira, Carla M.; Fernandes, Victor Hugo C.; Novaes, Rômulo D.; Chagas-Paula, Daniela A.; Caldas, Ivo S.

Sesquiterpene lactone potentiates the immunomodulatory, antiparasitic and cardioprotective effects on anti-*Trypanosoma cruzi* specific chemotherapy

International Immunopharmacology v. 77, 2019: p. 105961

DOI: 10.1016/j.intimp.2019.105961

Keyword: Benznidazole; Chagas's disease; Infectious myocarditis; Sesquiterpene lactone; Tagitinin C

No. 947

Luján, José Luis; Todt, Oliver

Standards of evidence and causality in regulatory science: Risk and benefit assessment

Studies in History and Philosophy of Science Part A v. , 2019: p.

DOI: 10.1016/j.shpsa.2019.05.005

Keyword: Risk assessment; Benefit assessment; Causality; Regulatory science; Standards of evidence

No. 948

Holmes, Matthew

Imitating nature: Analogy and experiment in D'Arcy Thompson's Science of Form

Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences v. 78, 2019: p. 101181

DOI: 10.1016/j.shpsc.2019.101181

Keyword:

No. 949

Yadon, Nicole; Owen, Amy; Cakora, Patricia; Bustamante, Angela; Hall-South, April; Smith, Nuri; Felder, Michael R.; Vrana, Paul B.; Shorter, Kimberly R.

A high methyl donor diet affects physiology and behavior in *Peromyscus polionotus*

Physiology & Behavior v. 209, 2019: p. 112615

DOI: 10.1016/j.physbeh.2019.112615

Keyword: Social behavior; Folic acid; Anxiety-like behavior; Methyl-donor pathway; Repetitive behavior

No. 950

Mostafavi, Hossein; Ghassemifard, Leila; Rostami, Ali; Alipour, Mohsen; Nadri, Samad

Trabecular meshwork mesenchymal stem cell transplantation improve motor symptoms of parkinsonian rat model

Biologicals v. 61, 2019: p. 61-67

DOI: 10.1016/j.biologicals.2019.06.006

Keyword: Parkinson's disease; Stem cell transplantation; Trabecular meshwork mesenchymal stem cells; Tyrosine hydroxylase

No. 951

Small, A.; Lea, J.; Niemeyer, D.; Hughes, J.; McLean, D.; McLean, J.; Ralph, J.

Development of a microwave stunning system for cattle 2: Preliminary observations on behavioural responses and EEG

Research in Veterinary Science v. 122, 2019: p. 72-80

DOI: 10.1016/j.rvsc.2018.11.010

Keyword: Cattle; Animal welfare; Consciousness; DTS; Electromagnetic stun; Humane slaughter

No. 952

Anbukkarasi, Muniyandi; Sundararajan, Mahalingam; Venkadeswaran, Karuppasamy; Ruban, Vasanthakumar Vasantha; Anand, Thiraviyam; Geraldine, Pitchairaj

Antihypercholesterolemic, antioxidative and anti-inflammatory potential of an extract of the plant *Tabernaemontana divaricata* in experimental rats fed an atherogenic diet

Biocatalysis and Agricultural Biotechnology v. 19, 2019: p. 101115

DOI: 10.1016/j.bcab.2019.101115

Keyword: Oxidative stress; Atherosclerosis; Antioxidant potential; Hypercholesterolemia; Inflammatory markers

No. 953

Tsuruta, S.; Lourenco, D.A.L.; Masuda, Y.; Misztal, I.; Lawlor, T.J.
 Controlling bias in genomic breeding values for young genotyped bulls
 Journal of Dairy Science v. 102, 2019 : p. 9956-9970
 DOI: 10.3168/jds.2019-16789
Keyword: genomic prediction; unknown parent group; US Holstein

No. 954

Meyer, M M; Johnson, A K; Bobeck, E A
 A novel environmental enrichment device improved broiler performance without sacrificing bird physiological or environmental quality measures
 Poultry Science v. 98, 2019: p. 5247-5256
 DOI: 10.3382/ps/pez417
Keyword: broiler; sustainability; welfare; performance; environmental enrichment

No. 955

Romero, Teresa; Konno, Akitsugu; Nagasawa, Miho; Hasegawa, Toshikazu
 Oxytocin modulates responses to inequity in dogs
 Physiology & Behavior v. 201, 2019: p. 104-110
 DOI: 10.1016/j.physbeh.2018.12.023
Keyword: Oxytocin; Affiliation; Decision latency; Domestic dogs; Inequity aversion

No. 956

Gotuzzo, Ariane Gonçalves; Piles, Miriam; Della-Flora, Raquel Pillon; Germano, Jerusa Martins; Reis, Janaina Scaglioni; Tyska, Darilene Ursula; Dionello, Nelson José Laurino
 Bayesian hierarchical model for comparison of different nonlinear function and genetic parameter estimates of meat quails
 Poultry Science v. 98, 2019: p. 1601-1609
 DOI: 10.3382/ps/pey548
Keyword: Gibbs sampling; Bayesian; growth curve; meat quail

No. 957

Balakrishnan, Brindha Banu; Krishnasamy, Kalaivani; Mayakrishnan, Vijayakumar; Selvaraj, Arokiyaraj
 Moringa concanensis Nimmo extracts ameliorates hyperglycemia-mediated oxidative stress and upregulates PPAR γ and GLUT4 gene expression in liver and pancreas of streptozotocin-nicotinamide induced diabetic rats
 Biomedicine & Pharmacotherapy v. 112, 2019: p. 108688
 DOI: 10.1016/j.biopha.2019.108688
Keyword: Diabetes; GLUT4; Hyperglycemia; Hepatic cells; Nimmo; PPAR γ

No. 958

Bastos, Aline Cândida; Magalhães, Giselle Santos; Gregório, Juliana Fabiana; Matos, Natália Alves; Motta-Santos, Daisy; Bezerra, Frank Silva; Santos, Robson Augusto Souza; Campagnole Santos, Maria José; Rodrigues-Machado, Maria Glória
 Oral formulation angiotensin-(1-7) therapy attenuates pulmonary and systemic damage in mice with emphysema induced by elastase
 Immunobiology v. , 2019: p. 151893
 DOI: 10.1016/j.imbio.2019.12.002
Keyword: COPD; MAS receptor; Murine model; Pulmonary remodeling; Renin-angiotensin system

No. 959

Lima, P.R.; Apdini, T.; Freire, A.S.; Santana, A.S.; Moura, L.M.L.; Nascimento, J.C.S.; Rodrigues, R.T.S.; Dijkstra, J.; Garcez Neto, A.F.; Queiroz, M.A.Á.; Menezes, D.R.
 Dietary supplementation with tannin and soybean oil on intake, digestibility, feeding behavior, ruminal protozoa and methane emission in sheep
 Animal Feed Science and Technology v. 249, 2019: p. 10-17
 DOI: 10.1016/j.anifeedsci.2019.01.017
Keyword: Sheep; Fibre digestibility; Feeding behavior; Methane mitigation; Soybean oil; Tannins

No. 960

Yang, Yurong; Dong, Hui; Su, Ruijing; Li, Tongyi; Jiang, Nan; Su, Chunlei; Zhang, Longxian
 Evidence of red panda as an intermediate host of Toxoplasma gondii and Sarcocystis species
 International Journal for Parasitology: Parasites and Wildlife v. 8, 2019: p. 188-191
 DOI: 10.1016/j.ijppaw.2019.02.006
Keyword: Virulence; Genotype; China; Isolation; Red panda ()

No. 961

Gunther, M.J.; Heller, J.; Hayes, L.; Hernandez-Jover, M.
 Dairy goat producers' understanding, knowledge and attitudes towards
 biosecurity and Q-fever in Australia
 Preventive Veterinary Medicine v. 170 , 2019 : p. 104742
 DOI: 10.1016/j.prevetmed.2019.104742
Keyword: Australia; Biosecurity; Dairy goats; Q-Fever

No. 962

Křivan, Vlastimil; Revilla, Tomás A.
 Plant coexistence mediated by adaptive foraging preferences of
 exploiters or mutualists
 Journal of Theoretical Biology v. 480, 2019: p. 112-128
 DOI: 10.1016/j.jtbi.2019.08.003
**Keyword: Behaviorally-mediated interactions; Competition for
 preference; Differential inclusion; Generalized isocline; Sliding and
 repelling regimes; Switching**

No. 963

Mesripour, Azadeh; Kadivar, Masoud; Hajhashemi, Valiollah
 Monosodium glutamate influences depressive behavior of two age
 groups of mice in forced swimming test: Vitamin B6 could remedy the
 situation
 Personalized Medicine in Psychiatry v. , 2019: p. 28-32
 DOI: 10.1016/j.pmip.2019.05.002
**Keyword: Depression; Forced swimming test; Monosodium
 glutamate; Vitamin B6**

No. 964

Bjørnvad, C.R.; Gloor, S.; Johansen, S.S.; Sandøe, P.; Lund, T.B.
 Neutering increases the risk of obesity in male dogs but not in bitches
 — A cross-sectional study of dog- and owner-related risk factors for
 obesity in Danish companion dogs
 Preventive Veterinary Medicine v. 170, 2019: p. 104730
 DOI: 10.1016/j.prevetmed.2019.104730
**Keyword: Canine; Body condition score; Lexington Attachment to Pets
 Scale; Overweight**

No. 965

Pérez-Lloréns, José Lucas
 Cooking-Science-Communication (CSC): The ideal trident to enjoy the
 dining experience
 International Journal of Gastronomy and Food Science v. 16, 2019: p.
 100134
 DOI: 10.1016/j.ijgfs.2019.100134
**Keyword: Aponiente; Bioluminescence; Plankton; Science-based
 cooking**

No. 966

Shen, Chunyan; Tong, Xian; Chen, Ruonan; Gao, Siyuan; Liu, Xinpeng;
 Schinckel, Allan P.; Li, Yuan; Xu, Feilong; Zhou, Bo
 Identifying blood-based biomarkers associated with aggression in
 weaned pigs after mixing
 Applied Animal Behaviour Science v. , 2019: p. 104927
 DOI: 10.1016/j.applanim.2019.104927
**Keyword: Pig; Aggressive behavior; Blood-based biomarkers;
 Canonical correlation analysis; Skin lesion**

No. 967

Hawksworth, Dorota J.; Burnett, Arthur L.
 Nonalcoholic Fatty Liver Disease, Male Sexual Dysfunction, and
 Infertility: Common Links, Common Problems
 Sexual Medicine Reviews v. , 2019: p.
 DOI: 10.1016/j.sxmr.2019.01.002
**Keyword: Infertility; Erectile Dysfunction; Hypogonadism; Metabolic
 Syndrome; Nonalcoholic Fatty Liver Disease**

No. 968

Godar, Sean C.; Mosher, Laura J.; Scheggi, Simona; Devoto, Paola;
 Moench, Kelly M.; Strathman, Hunter J.; Jones, Cori M.; Frau, Roberto;
 Melis, Miriam; Gambarana, Carla; Wilkinson, Brent; DeMontis, M.
 Graziella; Fowler, Stephen C.; Coba, Marcelo P.; Wellm
 Gene-environment interactions in antisocial behavior are mediated by
 early-life 5-HT_{2A} receptor activation
 Neuropharmacology v. 159, 2019: p. 107513
 DOI: 10.1016/j.neuropharm.2019.01.028
**Keyword: Animal models; Serotonin; Aggression; Antisocial behavior;
 Gene-environment interactions**

No. 969

Alzoubi, Karem H.; Halboup, Abdulsalam M.; Alomari, Mahmoud A.; Khabour, Omar F.

Swimming exercise protective effect on waterpipe tobacco smoking-induced impairment of memory and oxidative stress

Life Sciences v. 239 , 2019 : p. 117076

DOI: 10.1016/j.lfs.2019.117076

Keyword: Hippocampus; Memory; Forced swimming exercise; Maze; Waterpipe

No. 970

Lhermie, Guillaume; Wernli, Didier; Jørgensen, Peter Søggaard; Kenkel, Donald; Lin Lawell, C.-Y. Cynthia; Tauer, Loren William; Gröhn, Yrjo Tapio

Tradeoffs between resistance to antimicrobials in public health and their use in agriculture: Moving towards sustainability assessment

Ecological Economics v. 166, 2019: p. 106427

DOI: 10.1016/j.ecolecon.2019.106427

Keyword: Agriculture; Antimicrobial use; Antimicrobial resistance; Indicators; Social-ecological system; Sustainability assessment

No. 971

Cordeiro, M.A.; Souza, E.L.S.; Arantes, R.M.E.; Balthazar, C.F.; Guimarães, J.T.; Scudino, H.; Silva, H.L.A.; Rocha, R.S.; Freitas, M.Q.; Esmerino, E.A.; Silva, M.C.; Pimentel, T.C.; Granato, D.; Costa, R.G.B.; Cruz, A.G.; Martins, F.S.

Fermented whey dairy beverage offers protection against *Salmonella enterica* ssp. *enterica* serovar Typhimurium infection in mice

Journal of Dairy Science v. 102, 2019: p. 6756-6765

DOI: 10.3168/jds.2019-16340

Keyword: probiotic; lactic acid bacteria; Typhimurium infection; whey beverage

No. 972

Jaydari, Amin; Forouharmehr, Ali; Nazifi, Narges

Determination of immunodominant scaffolds of Com1 and OmpH antigens of *Coxiella burnetii*

Microbial Pathogenesis v. 126, 2019: p. 298-309

DOI: 10.1016/j.micpath.2018.11.012

Keyword: Q fever; bioinformatics; Epitope

No. 973

Hai-lan, Chen; Hong-lian, Tan; Jian, Yang; Manling, Song; Heyu, Feng; Na, Kuang; Wenyue, Hu; Si-yu, Chen; Ying-yi, Wei; Ting-jun, Hu

Inhibitory effect of polysaccharide of *Sargassum weizhouense* on PCV2 induced inflammation in mice by suppressing histone acetylation

Biomedicine & Pharmacotherapy v. 112, 2019: p. 108741

DOI: 10.1016/j.biopha.2019.108741

Keyword: Inflammation; Histone acetylation; Polysaccharide; Porcine circovirus type 2

No. 974

Obinna, Victoria C.; Kagbo, Hope D.; Agu, Gabriel O.

Lipophilic and hydrophilic leaf extracts of *Portulaca oleracea* (Purslane) disrupts female sex hormones in albino rats (*Rattus norvegicus*)

Journal of Traditional and Complementary Medicine v. , 2019: p.

DOI: 10.1016/j.jtcme.2019.06.004

Keyword: Ovary; Female sex hormones; Oestrous cycle; Uterus

No. 975

He, Ya-Ting; Wang, Wei; Shen, Wei; Sun, Qing-Yuan; Yin, Shen

Melatonin protects against Fenoxaprop-ethyl exposure-induced meiotic defects in mouse oocytes

Toxicology v. 425, 2019: p. 152241

DOI: 10.1016/j.tox.2019.152241

Keyword: Oocyte; Melatonin; Meiosis; Fenoxaprop-ethyl

No. 976

Gil, Mario; Torres-Reveron, Annelyn; Ramirez, Ana C.; Maldonado, Oscar; VandeBerg, John L.; de Erausquin, Gabriel A.

Influence of biological sex on social behavior, individual recognition, and non-associative learning in the adult gray short-tailed opossum (*Monodelphis domestica*)

Physiology & Behavior v. 211, 2019: p. 112659

DOI: 10.1016/j.physbeh.2019.112659

Keyword: Learning; Animal models; Aggression; Social dominance; Social memory; Social subordination

No. 977

Cordone, Valeria; Pecorelli, Alessandra; Amicarelli, Fernanda; Hayek, Joussef; Valacchi, Giuseppe

The complexity of Rett syndrome models: Primary fibroblasts as a disease-in-a-dish reliable approach

Drug Discovery Today: Disease Models v. , 2019 : p.

DOI: 10.1016/j.ddmod.2019.11.001

Keyword:

No. 978

Sariyer, Ilker Kudret; Gordon, Jennifer; Burdo, Tricia H.; Wollebo, Hassen S.; Gianti, Eleonora; Donadoni, Martina; Bellizzi, Anna; Cicalese, Stephanie; Loomis, Regina; Robinson, Jake A.; Carnevale, Vincenzo; Steiner, Joseph; Ozdener, Mehmet H.; Miller, A

Suppression of Zika Virus Infection in the Brain by the Antiretroviral Drug Rilpivirine

Molecular Therapy v. 27, 2019: p. 2067-2079

DOI: 10.1016/j.ymthe.2019.10.006

Keyword: animal model; astrocytes; NS5; rilpivirine; Zika virus

No. 979

Krieger, Stefanie; Oczak, Maciej; Lidauer, Laura; Berger, Alexandra; Kickinger, Florian; Öhlschuster, Manfred; Auer, Wolfgang; Drillich, Marc; Iwersen, Michael

An ear-attached accelerometer as an on-farm device to predict the onset of calving in dairy cows

Biosystems Engineering v. 184, 2019: p. 190-199

DOI: 10.1016/j.biosystemseng.2019.06.011

Keyword: Monitoring; Cattle; Parturition; Accelerometer

No. 980

Al-Souti, Ahmed; Gallardo, Wenresti; Claereboudt, Michel; Mahgoub, Osman

Attractability and palatability of formulated diets incorporated with chicken feather and algal meals for juvenile gilthead seabream, Sparus aurata

Aquaculture Reports v. 14, 2019: p. 100199

DOI: 10.1016/j.aqrep.2019.100199

Keyword: Palatability; Algal meal; Attractability; Feeding effectors; Rendered animal proteins

No. 981

Zandi, Mohammad; Dehghan, Arash; Talimkhani, Ideh; Rezaeian, Leila; Mohammad Gholi Mezerji, Naser

Histological evaluation of the healing process of autografted mandibular bone defects in rats under treatment with zoledronate

Journal of Cranio-Maxillofacial Surgery v. 47, 2019: p. 1779-1786

DOI: 10.1016/j.jcms.2019.08.003

Keyword: Animal study; Bisphosphonate; Bone graft; Healing; Mandible

No. 982

Shen, Dan; Wu, Sheng; Li, Zhaojian; Tang, Qian; Dai, Pengyuan; Li, Yansen; Li, Chunmei

Distribution and physicochemical properties of particulate matter in swine confinement barns

Environmental Pollution v. 250, 2019: p. 746-753

DOI: 10.1016/j.envpol.2019.04.086

Keyword: Ammonia; Particulate matter; Physicochemical property; Swine confinement barn

No. 983

Baena, Marielle Moura; Costa, Adriano Carvalho; Vieira, Gabriela Rodrigues; Rocha, Renata de Fátima Bretanha; Ribeiro, Andrea Roberto Bueno; Ibelli, Adriana Mércia Guaratini; Meirelles, Sarah Laguna Conceição

Heat tolerance responses in a Bos taurus cattle herd raised in a Brazilian climate

Journal of Thermal Biology v. 81, 2019: p. 162-169

DOI: 10.1016/j.jtherbio.2019.02.017

Keyword: Adaptability; Taurine cattle; Thermoregulation; Tropical

No. 984

Lederman, Zohar; Leskes, Hana; Brosh-Nissimov, Tal

One Health and Streptococcus Canis in the Emergency Department: A Case of Cellulitis and Bacteremia in an Immunocompromised Patient Treated With Etanercept

The Journal of Emergency Medicine v. , 2019: p.

DOI: 10.1016/j.jemermed.2019.10.019

Keyword: One Health; cellulitis; immunosuppression

No. 985

Stemmet, Gideon P.; Meyer, Leith CR.; Bruns, Angela; Buss, Peter; Zimmerman, David; Koeppel, Katja; Zeiler, Gareth E.

Compared to etorphine–azaperone, the ketamine–butorphanol–medetomidine combination is also effective at immobilizing zebra (*Equus zebra*)

Veterinary Anaesthesia and Analgesia v. 46 , 2019 : p. 466-475

DOI: 10.1016/j.vaa.2019.01.008

Keyword: butorphanol; immobilisation; ketamine; medetomidine; zebra

No. 986

Ommati, Mohammad Mehdi; Farshad, Omid; Niknahad, Hossein; Arabnezhad, Mohammad Reza; Azarpira, Negar; Mohammadi, Hamid Reza; Haghnegahdar, Maral; Mousavi, Khadijeh; Akrami, Shiva; Jamshidzadeh, Akram; Heidari, Reza

Cholestasis-associated reproductive toxicity in male and female rats: The fundamental role of mitochondrial impairment and oxidative stress

Toxicology Letters v. 316, 2019: p. 60-72

DOI: 10.1016/j.toxlet.2019.09.009

Keyword: Infertility; Energy crisis; Hydrophobic bile acids; Reproductive toxicity

No. 987

Mohsen, Mohamed; Wang, Qing; Zhang, Libin; Sun, Lina; Lin, Chenggang; Yang, Hongsheng

Microplastic ingestion by the farmed sea cucumber *Apostichopus japonicus* in China

Environmental Pollution v. 245, 2019: p. 1071-1078

DOI: 10.1016/j.envpol.2018.11.083

Keyword: Coelomic fluid; Deposit feeder; Microplastics ingestion; Sea cucumber; Sediment

No. 988

Lopreiato, V.; Minuti, A.; Trimboli, F.; Britti, D.; Morittu, V.M.; Cappelli, F. Piccoli; Loo, J.J.; Trevisi, E.

Immunometabolic status and productive performance differences between periparturient Simmental and Holstein dairy cows in response to pegbovigrastim

Journal of Dairy Science v. 102, 2019: p. 9312-9327

DOI: 10.3168/jds.2019-16323

Keyword: transition period; immunometabolism; pegbovigrastim; Simmental

No. 989

Li, Falei; Su, Jiayuan; Chahan, Bayin; Guo, Qingyong; Wang, Tao; Yu, Zhengjie; Guo, Yaqiong; Li, Na; Feng, Yaoyu; Xiao, Lihua

Different distribution of *Cryptosporidium* species between horses and donkeys

Infection, Genetics and Evolution v. 75, 2019: p. 103954

DOI: 10.1016/j.meegid.2019.103954

Keyword: Horse; spp.; Donkey; China; Molecular epidemiology; Subtype

No. 990

Harding, Sandra

State of the field: Latin American decolonial philosophies of science

Studies in History and Philosophy of Science Part A v. 78, 2019: p. 48-63

DOI: 10.1016/j.shpsa.2018.10.001

Keyword: Decolonialism; Feminisms; History of science; Latin America; Modernity; Philosophy of science; Positivism

No. 991

Xing, Si-Cheng; Huang, Chun-Bo; Mi, Jian-Dui; Wu, Yin-Bao; Liao, Xin-Di

Bacillus coagulans R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs

Environmental Pollution v. 255, 2019: p. 113139

DOI: 10.1016/j.envpol.2019.113139

Keyword: Intestinal villus; Lead; Microbiota structure; microRNA; R11

No. 992

Falk-Andersson, Jannike; Berkhout, Boris Woody; Abate, Tenaw Gedefaw

Citizen science for better management: Lessons learned from three Norwegian beach litter data sets

Marine Pollution Bulletin v. 138, 2019: p. 364-375

DOI: 10.1016/j.marpolbul.2018.11.021

Keyword: Citizen science; Norway; Beach litter; Marine plastic pollution; OSPAR

No. 993

Mao, Mingjie; Li, Shuming; Zong, Manman; Qiu, Lili; Yang, Jiaojiao; Xia, Jiangyan; Yang, Jianjun; Ji, Muhuo
Two-hit model of postintensive care syndrome induced by lipopolysaccharide challenge and subsequent chronic unpredictable stress in mice
International Immunopharmacology v. 70 , 2019 : p. 446-458
DOI: 10.1016/j.intimp.2019.03.012

Keyword: Stressor; Animal model; Sepsis; Behavioral outcomes; Fluoxetine

No. 995

Pasquetti, Mayara Vendramin; Meier, Letícia; Marafiga, Joseane Righes; Barbieri Caus, Letícia; Tort, Adriano Bretanha Lopes; Calcagnotto, Maria Elisa
Hippocampal CA1 and cortical interictal oscillations in the pilocarpine model of epilepsy
Brain Research v. 1722, 2019: p. 146351
DOI: 10.1016/j.brainres.2019.146351

Keyword: Interictal oscillations; Neuronal oscillations; Phase coherence; Phase-amplitude coupling; Spectral power; Temporal lobe epilepsy

No. 997

Díaz, José Manuel; Prieto, Alberto; López-Lorenzo, Gonzalo; López-Novo, Cynthia; Iglesias, Antonio; Díaz, Pablo; Panadero, Rosario; Moral, Javier; López, Ceferino; Díez-Baños, Pablo; Morondo, Patrocinio; Fernández, Gonzalo
Monitoring of the shedding and serological dynamics of Bovine gammaherpesvirus type 4 in a dairy cattle herd
Veterinary Microbiology v. 239, 2019: p. 108495
DOI: 10.1016/j.vetmic.2019.108495

Keyword: PCR; Serology; Cattle; BoHV-4; Heifers

No. 999

Rae, Marcia; Miró, Alexandre; Hall, Jeanette; O'Brien, Katie; O'Brien, David
Evaluating the validity of a simple citizen science index for assessing the ecological status of urban drainage ponds
Ecological Indicators v. 98, 2019: p. 1-8
DOI: 10.1016/j.ecolind.2018.10.053

Keyword: Community-based monitoring; Ecosystem services; Environmental democratization; Freshwater; Green infrastructure; OPAL Pond Health Score; Storm-water ponds; Sustainable Drainage Systems

No. 994

El-Naggar, Hussein A.; Khalaf Allah, Hassan M.M.; Masood, Mostafa F.; Shaban, Walaa M.; Bashar, Mansour A.E.
Food and feeding habits of some Nile River fish and their relationship to the availability of natural food resources
The Egyptian Journal of Aquatic Research v. 45, 2019: p. 273-280
DOI: 10.1016/j.ejar.2019.08.004

Keyword: Plankton; Benthos; El-Qanater Al-Khairia; Feeding habits; Nile Fish

No. 996

Caunce, Serena L.; Dadarwal, Dinesh; Adams, Gregg P.; Brar, Parkash; Singh, Jaswant
An objective volumetric method for assessment of ovarian follicular and luteal vascular flow using colour Doppler ultrasonography
Theriogenology v. 138, 2019: p. 66-76
DOI: 10.1016/j.theriogenology.2019.06.039

Keyword: Follicle; Water buffalo; Corpus luteum; Color Doppler ultrasonography; Three-dimensional volumetric analysis; Vascularity

No. 998

Chen, Yi-Hsun; Chiu, Chien-Chao; Hung, Shao-Wen; Huang, Wen-Ching; Lee, Yen-Peng; Liu, Ju-Yun; Huang, Yen-Te; Chen, Ter-Hsin; Chuang, Hsiao-Li
Gnotobiotic mice inoculated with Firmicutes, but not Bacteroidetes, deteriorate nonalcoholic fatty liver disease severity by modulating hepatic lipid metabolism
Nutrition Research v. 69, 2019: p. 20-29
DOI: 10.1016/j.nutres.2019.07.001

Keyword: Hepatic steatosis; High-fat diet; Bacteroidetes; Firmicutes; Gnotobiotic mouse

No. 1000

Bai, Xue; Wang, Jianping; Ding, Xuemei; Bai, Shiping; Zeng, Qiufeng; Xuan, Yue; Su, Zhuowei; Zhang, Keying
Proteomic alteration of albumen by dietary vanadium in commercial egg-type layers
Poultry Science v. , 2019: p.
DOI: 10.1016/j.psj.2019.10.056

Keyword: albumen; quantitative proteomic; vanadium

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