

# Improving Bioscience Research Reporting: The ARRIVE Research

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Citation Report

#	ARTICLE	IF	CITATIONS
2	The ARRIVE guidelines, a welcome improvement to standards for reporting animal research. <i>Journal of Gene Medicine</i> , 2010, 12, 559-560.	1.4	35
3	Animal Research: Reporting <i>In Vivo</i> Experiments: The ARRIVE Guidelines. <i>Journal of Gene Medicine</i> , 2010, 12, 561-563.	1.4	230
4	Animal research: Reporting <i>in vivo</i> experiments: The ARRIVE guidelines. <i>British Journal of Pharmacology</i> , 2010, 160, 1577-1579.	2.7	3,150
5	Guidelines for reporting experiments involving animals: the ARRIVE guidelines. <i>British Journal of Pharmacology</i> , 2010, 160, 1573-1576.	2.7	1,415
6	Experimental models of vascular dementia and vascular cognitive impairment: a systematic review. <i>Journal of Neurochemistry</i> , 2010, 115, 814-828.	2.1	214
7	Benefits of histone deacetylase inhibitors for acute brain injury: a systematic review of animal studies. <i>Journal of Neurochemistry</i> , 2010, 115, 806-813.	2.1	51
8	Animal Research: Reporting <i>In Vivo</i> Experiments: The ARRIVE guidelines. <i>Experimental Physiology</i> , 2010, 95, 842-844.	0.9	30
9	Animal Research: Reporting <i>In Vivo</i> Experiments: The ARRIVE guidelines. <i>Journal of Physiology</i> , 2010, 588, 2519-2521.	1.3	75
11	Reporting the Implementation of the Three Rs in European Primate and Mouse Research Papers: Are We Making Progress?. <i>ATLA Alternatives To Laboratory Animals</i> , 2010, 38, 495-517.	0.7	17
12	Improving bioscience research reporting: ARRIVE-ing at a solution. <i>Laboratory Animals</i> , 2010, 44, 377-378.	0.5	77
13	Mice, men, and medicine. <i>British Journal of Anaesthesia</i> , 2010, 105, 396-400.	1.5	12
14	Reporting Animal Studies: Good Science and a Duty of Care. <i>PLoS Biology</i> , 2010, 8, e1000413.	2.6	23
15	Seasonal variation of vocal behaviour in a temperate songbird: Assessing the effects of laboratory housing on wild-caught, seasonally breeding birds. <i>Behavioural Processes</i> , 2011, 88, 177-183.	0.5	9
16	Protection of Eurasian badgers ( <i>Meles meles</i> ) from tuberculosis after intra-muscular vaccination with different doses of BCG. <i>Vaccine</i> , 2011, 29, 3782-3790.	1.7	60
17	Preclinical studies of human disease: Time to take methodological quality seriously. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 51, 449-450.	0.9	57
18	Dopamine agonists in animal models of Parkinson's disease: A systematic review and meta-analysis. <i>Parkinsonism and Related Disorders</i> , 2011, 17, 313-320.	1.1	72
19	Lacosamide has protective disease modifying properties in experimental vincristine neuropathy. <i>Neuropharmacology</i> , 2011, 61, 600-607.	2.0	31
20	Critical appraisal of animal models of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2011, 17, 647-657.	1.4	91

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21	The Information Infrastructure that Supports Evidence-Based Veterinary Medicine: A Comparison with Human Medicine. <i>Journal of Veterinary Medical Education</i> , 2011, 38, 123-134.	0.4	16
22	Optimised and Rapid Pre-clinical Screening in the SOD1G93A Transgenic Mouse Model of Amyotrophic Lateral Sclerosis (ALS). <i>PLoS ONE</i> , 2011, 6, e23244.	1.1	80
23	Evaluation of Social and Physical Enrichment in Modulation of Behavioural Phenotype in C57BL/6J Female Mice. <i>PLoS ONE</i> , 2011, 6, e24755.	1.1	80
24	An early treatment with 17 $\beta$ -estradiol is neuroprotective against the long-term effects of neonatal ionizing radiation exposure. <i>Journal of Neurochemistry</i> , 2011, 118, 626-635.	2.1	9
25	Predictive validity of behavioural animal models for chronic pain. <i>British Journal of Pharmacology</i> , 2011, 164, 1195-1206.	2.7	143
26	Preclinical stroke research – advantages and disadvantages of the most common rodent models of focal ischaemia. <i>British Journal of Pharmacology</i> , 2011, 164, 1062-1078.	2.7	196
27	Risk of bias of animal studies on regenerative procedures for periodontal and peri-implant bone defects – a systematic review. <i>Journal of Clinical Periodontology</i> , 2011, 38, 1154-1160.	2.3	13
28	Systematic Survey of the Design, Statistical Analysis, and Reporting of Studies Published in the 2008 Volume of the <i>Journal of Cerebral Blood Flow and Metabolism</i> . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1064-1072.	2.4	50
29	Improving the Quality of Biomedical Research: Guidelines for Reporting Experiments Involving Animals. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 989-990.	2.4	8
30	Animal Research: Reporting <i>in vivo</i> Experiments – The ARRIVE Guidelines. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 991-993.	2.4	407
31	Hepatic transcriptomic responses to TCDD in dioxin-sensitive and dioxin-resistant rats during the onset of toxicity. <i>Toxicology and Applied Pharmacology</i> , 2011, 251, 119-129.	1.3	38
33	The ARRIVE guidelines: A resource for authors and reviewers to ensure that submissions to The Veterinary Journal meet minimal expectations of completeness, accuracy and transparency. <i>Veterinary Journal</i> , 2011, 189, 237-238.	0.6	9
34	Animal models of asthma: value, limitations and opportunities for alternative approaches. <i>Drug Discovery Today</i> , 2011, 16, 659-670.	3.2	116
36	Hyperglycemia can delay left ventricular dysfunction but not autonomic damage after myocardial infarction in rodents. <i>Cardiovascular Diabetology</i> , 2011, 10, 26.	2.7	29
37	Changes in cardiac heparan sulfate proteoglycan expression and streptozotocin-induced diastolic dysfunction in rats. <i>Cardiovascular Diabetology</i> , 2011, 10, 35.	2.7	14
38	Effect of silibinin on endothelial dysfunction and ADMA levels in obese diabetic mice. <i>Cardiovascular Diabetology</i> , 2011, 10, 62.	2.7	64
39	Dietary saturated fat/cholesterol, but not unsaturated fat or starch, induces C-reactive protein associated early atherosclerosis and ectopic fat deposition in diabetic pigs. <i>Cardiovascular Diabetology</i> , 2011, 10, 64.	2.7	30
40	Therapeutic effects of neuregulin-1 in diabetic cardiomyopathy rats. <i>Cardiovascular Diabetology</i> , 2011, 10, 69.	2.7	70

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41	Effects of granulocyte-colony stimulating factor (G-CSF) on diabetic cardiomyopathy in Otsuka Long-Evans Tokushima Fatty rats. <i>Cardiovascular Diabetology</i> , 2011, 10, 92.	2.7	24
42	Adding more muscle and nerve to clinical trials. <i>Muscle and Nerve</i> , 2011, 44, 695-702.	1.0	5
43	Why animal research needs to improve. <i>Nature</i> , 2011, 477, 511-511.	13.7	67
44	Experimental Intracerebral Hemorrhage: Avoiding Pitfalls in Translational Research. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 2135-2151.	2.4	62
45	Translational research in transcranial direct current stimulation (tDCS): a systematic review of studies in animals. <i>Reviews in the Neurosciences</i> , 2011, 22, 471-481.	1.4	53
46	Reporting of method of animal sacrifice in articles published in Indian journals. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2011, 2, 125-127.	0.2	9
47	Refining cage change routines: comparison of cardiovascular responses to three different ways of cage change in rats. <i>Laboratory Animals</i> , 2011, 45, 167-173.	0.5	22
48	Preregistration of Epidemiology Protocols. <i>Epidemiology</i> , 2011, 22, 135-137.	1.2	24
49	Statistical Design Considerations in Animal Studies Published Recently in <i>Cancer Research</i> . <i>Cancer Research</i> , 2011, 71, 625-625.	0.4	36
50	Improving the reporting of animal research: when will we ARRIVE?. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 281-282.	1.2	5
51	The Gold Standard Publication Checklist (GSPC) for improved design, reporting and scientific quality of animal studies GSPC versus ARRIVE guidelines. <i>Laboratory Animals</i> , 2011, 45, 61-61.	0.5	24
52	A search filter for increasing the retrieval of animal studies in Embase. <i>Laboratory Animals</i> , 2011, 45, 268-270.	0.5	93
53	Will stem cell therapies be safe and effective for treating spinal cord injuries?. <i>British Medical Bulletin</i> , 2011, 98, 127-142.	2.7	20
54	Quality of reporting statistics in two Indian pharmacology journals. <i>Journal of Pharmacology and Pharmacotherapeutics</i> , 2011, 2, 85-89.	0.2	13
55	Hands-on Defibrillation Has the Potential to Improve the Quality of Cardiopulmonary Resuscitation and Is Safe for Rescuers: A Preclinical Study. <i>Journal of the American Heart Association</i> , 2012, 1, e001313.	1.6	26
56	International, Multicenter Randomized Preclinical Trials in Translational Stroke Research: It's Time to Act. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 933-935.	2.4	82
57	Vitamin E and the Healing of Bone Fracture: The Current State of Evidence. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-26.	0.5	6
58	Mapping pathogenesis of arthritis through small animal models. <i>Rheumatology</i> , 2012, 51, 1931-1941.	0.9	101

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59	Designing Phenotyping Studies for Genetically Engineered Mice. <i>Veterinary Pathology</i> , 2012, 49, 24-31.	0.8	28
60	Of Mice and Microflora. <i>Veterinary Pathology</i> , 2012, 49, 44-63.	0.8	51
61	Extrapolating from Animals to Humans. <i>Science Translational Medicine</i> , 2012, 4, 151ps15.	5.8	96
62	Short small-interfering RNAs produce interferon- $\gamma$ -mediated analgesia. <i>British Journal of Anaesthesia</i> , 2012, 108, 662-669.	1.5	15
63	Relevance of animal research on the effects of postnatal exposure to environmental tobacco smoke. <i>Laboratory Animals</i> , 2012, 46, 264-265.	0.5	1
64	Blinding terminology used in reports of randomized controlled trials involving dogs and cats. <i>Journal of the American Veterinary Medical Association</i> , 2012, 241, 1221-1226.	0.2	12
65	Reporting of preclinical tumor-graft cancer therapeutic studies. <i>Cancer Biology and Therapy</i> , 2012, 13, 1262-1268.	1.5	14
66	Directive 2010/63/EU on animal welfare: a review on the existing scientific knowledge and implications in cephalopod aquaculture research. <i>Reviews in Aquaculture</i> , 2012, 4, 142-162.	4.6	47
67	Overexpression of the <i>Hspa13</i> ( <i>Stch</i> ) gene reduces prion disease incubation time in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13722-13727.	3.3	21
68	REPRINT: International, Multicenter Randomized Preclinical Trials in Translational Stroke Research. <i>Stroke</i> , 2012, 43, 1453-1454.	1.0	19
69	Guidelines on adequate data reporting. <i>European Journal of Anaesthesiology</i> , 2012, 29, 457-459.	0.7	1
70	Final review of the Šraliniet al. (2012a) publication on a 2-year rodent feeding study with glyphosate formulations and GM maize NK603 as published online on 19 September 2012 in <i>Food and Chemical Toxicology</i> . <i>EFSA Journal</i> , 2012, 10, 2986.	0.9	43
71	Genetic and Pharmacological Inhibition of Dimethylarginine Dimethylaminohydrolase 1 Is Protective in Endotoxic Shock. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2589-2597.	1.1	27
72	Shock Supports the Use of Animal Research Reporting Guidelines. <i>Shock</i> , 2012, 38, 1-3.	1.0	25
73	Review of the Šralini et al. (2012) publication on a 2-year rodent feeding study with glyphosate formulations and GM maize NK603 as published online on 19 September 2012 in <i>Food and Chemical Toxicology</i> . <i>EFSA Journal</i> , 2012, 10, 2910.	0.9	18
74	Improving the process of translational research. <i>BMJ, The</i> , 2012, 345, e7837-e7837.	3.0	9
75	Pathobiology of Aging Mice and GEM. <i>Veterinary Pathology</i> , 2012, 49, 85-105.	0.8	138
76	The '3Is' of animal experimentation. <i>Nature Genetics</i> , 2012, 44, 611-611.	9.4	6

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77	Research-reporting standards fall short. <i>Nature</i> , 2012, 492, 41-41.	13.7	8
78	Methodological Issues in Preclinical Mouse Efficacy Studies of Adenomyosis. <i>Current Obstetrics and Gynecology Reports</i> , 2012, 1, 138-145.	0.3	5
79	Two-start design within a Sephadex inflammatory model – A means to generate reliable ED50 data whilst significantly reducing the number of animals used. <i>Pulmonary Pharmacology and Therapeutics</i> , 2012, 25, 223-227.	1.1	0
80	Twenty years after: Do animal trials inform clinical resuscitation research?. <i>Resuscitation</i> , 2012, 83, 16-17.	1.3	5
81	Combined Effects of Quercetin and Atenolol in Reducing Isoproterenol-Induced Cardiotoxicity in Rats: Possible Mediation Through Scavenging Free Radicals. <i>Cardiovascular Toxicology</i> , 2012, 12, 235-242.	1.1	23
82	Analgesic Effects of Noninvasive Brain Stimulation in Rodent Animal Models: A Systematic Review of Translational Findings. <i>Neuromodulation</i> , 2012, 15, 283-295.	0.4	12
83	Join the dialogue. <i>Nature Nanotechnology</i> , 2012, 7, 545-545.	15.6	52
84	Collapsin response mediator protein-2 phosphorylation promotes the reversible retraction of oligodendrocyte processes in response to non-lethal oxidative stress. <i>Journal of Neurochemistry</i> , 2012, 121, 985-995.	2.1	18
85	Sensitive detection of chromatin coassociations using enhanced chromosome conformation capture on chip. <i>Nature Protocols</i> , 2012, 7, 1335-1350.	5.5	38
86	A call for transparent reporting to optimize the predictive value of preclinical research. <i>Nature</i> , 2012, 490, 187-191.	13.7	1,055
87	MEDLINE-based assessment of animal studies on Chinese herbal medicine. <i>Journal of Ethnopharmacology</i> , 2012, 140, 545-549.	2.0	12
88	Postconditioning by mild hypoxic exposures reduces rat brain injury caused by severe hypoxia. <i>Neuroscience Letters</i> , 2012, 513, 100-105.	1.0	35
89	Differential expression of ADAM15 and ADAM17 metalloproteases in the rat brain after severe hypobaric hypoxia and hypoxic preconditioning. <i>Neuroscience Research</i> , 2012, 72, 364-373.	1.0	17
90	Improving the reporting of randomised trials: the CONSORT Statement and beyond. <i>Statistics in Medicine</i> , 2012, 31, 2985-2997.	0.8	96
91	Increased central and peripheral inflammation and inflammatory hyperalgesia in Zucker rat model of leptin receptor deficiency and genetic obesity. <i>Experimental Physiology</i> , 2012, 97, 1236-1245.	0.9	43
92	Long-acting $\mu$ opioid antagonists nor-BNI, GNTI and JDTic: pharmacokinetics in mice and lipophilicity. <i>BMC Pharmacology</i> , 2012, 12, 5.	0.4	78
93	Wound healing activities of different extracts of <i>Centella asiatica</i> in incision and burn wound models: an experimental animal study. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 103.	3.7	144
94	Erythropoietin attenuates cardiac dysfunction by increasing myocardial angiogenesis and inhibiting interstitial fibrosis in diabetic rats. <i>Cardiovascular Diabetology</i> , 2012, 11, 105.	2.7	49

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95	High fat diet-induced glucose intolerance impairs myocardial function, but not myocardial perfusion during hyperaemia: a pilot study. <i>Cardiovascular Diabetology</i> , 2012, 11, 74.	2.7	12
96	Far infra-red therapy promotes ischemia-induced angiogenesis in diabetic mice and restores high glucose-suppressed endothelial progenitor cell functions. <i>Cardiovascular Diabetology</i> , 2012, 11, 99.	2.7	47
97	Recurrent/moderate hypoglycemia induces hippocampal dendritic injury, microglial activation, and cognitive impairment in diabetic rats. <i>Journal of Neuroinflammation</i> , 2012, 9, 182.	3.1	74
99	Do stroke models model stroke?. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 718-725.	1.2	88
100	Animal Welfare in Studies on Murine Tuberculosis: Assessing Progress over a 12-Year Period and the Need for Further Improvement. <i>PLoS ONE</i> , 2012, 7, e47723.	1.1	22
101	Disruption of subcellular <i>Arc/Arg 3.1</i> mRNA expression in striatal efferent neurons following partial monoamine loss induced by methamphetamine. <i>Journal of Neurochemistry</i> , 2012, 123, 845-855.	2.1	18
102	The fallacy of ratio correction to address confounding factors. <i>Laboratory Animals</i> , 2012, 46, 245-252.	0.5	22
103	Surface functionalization of barium titanate SHG nanoprobe for in vivo imaging in zebrafish. <i>Nature Protocols</i> , 2012, 7, 1618-1633.	5.5	68
104	Guidelines for Reporting Pre-clinical In Vitro Studies on Dental Materials. <i>Journal of Evidence-based Dental Practice</i> , 2012, 12, 182-189.	0.7	214
105	Prevention of traumatic brain injury-induced neuronal death by inhibition of NADPH oxidase activation. <i>Brain Research</i> , 2012, 1481, 49-58.	1.1	101
106	Endpoints in animal pain models. <i>Scandinavian Journal of Pain</i> , 2012, 3, 173-174.	0.5	1
107	Pre-clinical models of human cerebral small vessel disease: Utility for clinical application. <i>Journal of the Neurological Sciences</i> , 2012, 322, 237-240.	0.3	30
108	Genetically-Engineered Pig-to-Baboon Liver Xenotransplantation: Histopathology of Xenografts and Native Organs. <i>PLoS ONE</i> , 2012, 7, e29720.	1.1	35
109	Ischemic Preconditioning in the Animal Kidney, a Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2012, 7, e32296.	1.1	151
110	No Influence of Dabigatran Anticoagulation on Hemorrhagic Transformation in an Experimental Model of Ischemic Stroke. <i>PLoS ONE</i> , 2012, 7, e40804.	1.1	33
111	Effects of the Sigma-1 Receptor Agonist 1-(3,4-Dimethoxyphenethyl)-4-(3-Phenylpropyl)-Piperazine Dihydro-Chloride on Inflammation after Stroke. <i>PLoS ONE</i> , 2012, 7, e45118.	1.1	41
112	Gait Analysis in Rats with Single Joint Inflammation: Influence of Experimental Factors. <i>PLoS ONE</i> , 2012, 7, e46129.	1.1	27
113	The Stress-Response Gene <i>redd1</i> Regulates Dorsoventral Patterning by Antagonizing Wnt/ $\beta$ -catenin Activity in Zebrafish. <i>PLoS ONE</i> , 2012, 7, e52674.	1.1	26

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115	Experimental autoimmune encephalomyelitis. , 2012, , 35-61.		1
116	Predicting the emetic liability of novel chemical entities: a comparative study. <i>British Journal of Pharmacology</i> , 2012, 165, 1848-1867.	2.7	45
117	Systematic review of animal models for the study of implant integration, assessing the influence of material, surface and design. <i>Journal of Clinical Periodontology</i> , 2012, 39, 28-36.	2.3	64
118	Preclinical in vivo research in implant dentistry. Consensus of the eighth European workshop on periodontology. <i>Journal of Clinical Periodontology</i> , 2012, 39, 1-5.	2.3	76
119	Systematic review of pre-clinical models assessing implant integration in locally compromised sites and/or systemically compromised <i>animals</i> . <i>Journal of Clinical Periodontology</i> , 2012, 39, 37-62.	2.3	17
120	Quality assessment of reporting of animal studies on pathogenesis and treatment of peri-implant mucositis and peri-implantitis. A systematic review using the ARRIVE guidelines. <i>Journal of Clinical Periodontology</i> , 2012, 39, 63-72.	2.3	76
121	Guidelines for the treatment of animals in behavioural research and teaching. <i>Animal Behaviour</i> , 2012, 83, 301-309.	0.8	375
122	Improving the Efficiency of the Development of Drugs for Stroke. <i>International Journal of Stroke</i> , 2012, 7, 371-377.	2.9	46
123	Aging-related reproductive decline in the male spider monkey ( <i>Ateles geoffroyi</i> ). <i>Journal of Medical Primatology</i> , 2012, 41, 115-121.	0.3	4
124	Publication guidelines for refereeing and reporting on animal use in experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2012, 242, 78-83.	1.1	52
125	Maximising the output of osteoarthritis research: the ARRIVE guidelines. <i>Osteoarthritis and Cartilage</i> , 2012, 20, 253-255.	0.6	9
126	What constitutes an “animal model of osteoarthritis” the need for consensus?. <i>Osteoarthritis and Cartilage</i> , 2012, 20, 261-267.	0.6	129
127	Practical guide to the induction of relapsing progressive experimental autoimmune encephalomyelitis in the Biozzi ABH mouse. <i>Multiple Sclerosis and Related Disorders</i> , 2012, 1, 29-38.	0.9	60
128	Experimental in vivo and in vitro models of multiple sclerosis: EAE and beyond. <i>Multiple Sclerosis and Related Disorders</i> , 2012, 1, 15-28.	0.9	78
129	Checklist for reporting and reviewing studies of experimental animal models of multiple sclerosis and related disorders. <i>Multiple Sclerosis and Related Disorders</i> , 2012, 1, 111-115.	0.9	18
130	Inter-strain heterogeneity in rat hepatic transcriptomic responses to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). <i>Toxicology and Applied Pharmacology</i> , 2012, 260, 135-145.	1.3	25
131	The methodological quality of systematic reviews of animal studies in dentistry. <i>Veterinary Journal</i> , 2012, 192, 140-147.	0.6	26



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132	Strategies for the optimisation of in vivo experiments in accordance with the 3Rs philosophy. <i>Regulatory Toxicology and Pharmacology</i> , 2012, 63, 140-154.	1.3	27
133	Platelet hyperaggregability in high-fat fed rats: A role for intraplatelet reactive-oxygen species production. <i>Cardiovascular Diabetology</i> , 2012, 11, 5.	2.7	35
134	The need for littermate controls. <i>European Journal of Immunology</i> , 2012, 42, 45-47.	1.6	61
135	Further improving reporting in crime and justice: an addendum to Perry, Weisburd and Hewitt (2010). <i>Journal of Experimental Criminology</i> , 2012, 8, 49-69.	1.9	8
136	Transgene Delivery to Endothelial Cultures Derived from Porcine Carotid Artery Ex Vivo. <i>Translational Stroke Research</i> , 2013, 4, 507-514.	2.3	2
137	Inflammatory findings on species extrapolations: humans are definitely no 70-kg mice. <i>Archives of Toxicology</i> , 2013, 87, 563-567.	1.9	140
138	P2Y <sub>1</sub> -Initiated, IP <sub>3</sub> -Dependent Stimulation of Astrocyte Mitochondrial Metabolism Reduces and Partially Reverses Ischemic Neuronal Damage in Mouse. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 600-611.	2.4	74
139	Histological responses of the periodontium to <i>MTA</i> : a systematic review. <i>Journal of Clinical Periodontology</i> , 2013, 40, 334-344.	2.3	56
140	Improving basic and translational science by accounting for litter-to-litter variation in animal models. <i>BMC Neuroscience</i> , 2013, 14, 37.	0.8	190
141	Metabolic disturbances and worsening of atherosclerotic lesions in ApoE <sup>-/-</sup> mice after cola beverages drinking. <i>Cardiovascular Diabetology</i> , 2013, 12, 57.	2.7	20
142	Preserved endothelium-dependent dilatation of the coronary microvasculature at the early phase of diabetes mellitus despite the increased oxidative stress and depressed cardiac mechanical function ex vivo. <i>Cardiovascular Diabetology</i> , 2013, 12, 49.	2.7	28
143	Early cardiac changes in a rat model of prediabetes: brain natriuretic peptide overexpression seems to be the best marker. <i>Cardiovascular Diabetology</i> , 2013, 12, 44.	2.7	66
144	Treatment with a copper-selective chelator causes substantive improvement in cardiac function of diabetic rats with left-ventricular impairment. <i>Cardiovascular Diabetology</i> , 2013, 12, 28.	2.7	36
145	Thoracic cage plasticity in prepubertal New Zealand white rabbits submitted to T12 dorsal arthrodesis: computed tomography evaluation, echocardiographic assessment and cardio-pulmonary measurements. <i>European Spine Journal</i> , 2013, 22, 1101-1112.	1.0	12
146	Overexpression of heat shock factor 1 phenocopies the effect of chronic inhibition of <i>TOR</i> by rapamycin and is sufficient to ameliorate Alzheimer's-like deficits in mice modeling the disease. <i>Journal of Neurochemistry</i> , 2013, 124, 880-893.	2.1	72
147	Recommendations for the investigation of animal models of Prader-Willi syndrome. <i>Mammalian Genome</i> , 2013, 24, 165-178.	1.0	37
148	High-fat feeding rapidly induces obesity and lipid derangements in C57BL/6N mice. <i>Mammalian Genome</i> , 2013, 24, 240-251.	1.0	71
149	Epilepsy therapy development: Technical and methodologic issues in studies with animal models. <i>Epilepsia</i> , 2013, 54, 13-23.	2.6	44

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150	Issues related to development of antiepileptogenic therapies. <i>Epilepsia</i> , 2013, 54, 35-43.	2.6	86
151	Issues related to symptomatic and disease-modifying treatments affecting cognitive and neuropsychiatric comorbidities of epilepsy. <i>Epilepsia</i> , 2013, 54, 44-60.	2.6	142
152	Single-molecule mRNA detection and counting in mammalian tissue. <i>Nature Protocols</i> , 2013, 8, 1743-1758.	5.5	187
153	Should we use one-sided or two-sided <i>P</i> values in tests of significance?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013, 40, 357-361.	0.9	48
154	Feasibility of targeting ischaemia-related ventricular arrhythmias by mimicry of endogenous protection by endocannabinoids. <i>British Journal of Pharmacology</i> , 2013, 169, 1840-1848.	2.7	12
155	Ischemic post-conditioning and vasodilator therapy during standard cardiopulmonary resuscitation to reduce cardiac and brain injury after prolonged untreated ventricular fibrillation. <i>Resuscitation</i> , 2013, 84, 1143-1149.	1.3	29
156	Validating reference genes within a mouse model system of 2,3,7,8-tetrachlorodibenzo- <i>p</i> -dioxin (TCDD) toxicity. <i>Chemico-Biological Interactions</i> , 2013, 205, 63-71.	1.7	8
157	Activity of tribendimidine and praziquantel combination therapy against the liver fluke <i>Opisthorchis viverrini</i> <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Helminthology</i> , 2013, 87, 252-256.	0.4	14
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920	Opportunities for improving animal welfare in rodent models of epilepsy and seizures. <i>Journal of Neuroscience Methods</i> , 2016, 260, 2-25.	1.3	93
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922	Optogenetic fMRI in the mouse hippocampus: Hemodynamic response to brief glutamatergic stimuli. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 629-638.	2.4	12
923	Pain management in pigs undergoing experimental surgery; a literature review (2012â€“4). <i>British Journal of Anaesthesia</i> , 2016, 116, 37-45.	1.5	40
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926	Animal models in translational medicine: Validation and prediction. <i>European Journal of Molecular and Clinical Medicine</i> , 2017, 2, 5.	0.5	217
927	Maternal high-fat diet influences outcomes after neonatal hypoxic-ischemic brain injury in rodents. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 307-318.	2.4	10
928	Pulse pressure-dependent cerebrovascular eNOS regulation in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 413-424.	2.4	32
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930	Does age matter? The impact of rodent age on study outcomes. <i>Laboratory Animals</i> , 2017, 51, 160-169.	0.5	213
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933	PCR-fingerprint profiles of mitochondrial and genomic DNA extracted from Fetus cervi using different extraction methods. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2017, 28, 781-786.	0.7	4

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940	The risk of bias of animal experiments in implant dentistry: a methodological study. <i>Clinical Oral Implants Research</i> , 2017, 28, e39-e45.	1.9	9
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993	Effects of ergothioneine-rich mushroom extracts on lipid oxidation and discoloration in salmon muscle stored at low temperatures. <i>Food Chemistry</i> , 2017, 233, 273-281.	4.2	22
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1015	Acute inflammation reveals GABA <sub>A</sub> receptor-mediated nociception in mouse dorsal root ganglion neurons via PGE <sub>2</sub> receptor 4 signaling. <i>Physiological Reports</i> , 2017, 5, e13178.	0.7	20
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1026	Design, analysis and reporting of tumor models. <i>Lab Animal</i> , 2017, 46, 207-211.	0.2	16
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1028	JNJ10181457, a histamine H3 receptor inverse agonist, regulates in vivo microglial functions and improves depression-like behaviours in mice. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 534-540.	1.0	29
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1033	Sex differences in prostaglandin biosynthesis in neutrophils during acute inflammation. <i>Scientific Reports</i> , 2017, 7, 3759.	1.6	65
1034	Probiotic <i>Bifidobacterium bifidum</i> G9 <sup>Δ</sup> 1 attenuates 5-fluorouracil-induced intestinal mucositis in mice via suppression of dysbiosis-related secondary inflammatory responses. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 1017-1025.	0.9	52
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1038	Neuropeptide S precursor knockout mice display memory and arousal deficits. <i>European Journal of Neuroscience</i> , 2017, 46, 1689-1700.	1.2	23
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1050	Thermal antinociception following oral administration of tapentadol in conscious cats. <i>Veterinary Anaesthesia and Analgesia</i> , 2017, 44, 364-369.	0.3	10
1051	Computed Tomography Perfusion, Magnetic Resonance Imaging, and Histopathological Findings After Laparoscopic Renal Cryoablation: An In Vivo Pig Model. <i>Technology in Cancer Research and Treatment</i> , 2017, 16, 406-413.	0.8	8
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1055	Microbiota and reproducibility of rodent models. <i>Lab Animal</i> , 2017, 46, 114-122.	0.2	186
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1065	Implication of VEGF and aquaporin 4 mediating Müller cell swelling to diabetic retinal edema. <i>Graefes' Archive for Clinical and Experimental Ophthalmology</i> , 2017, 255, 1149-1157.	1.0	25
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1070	Activation of brain-derived neurotrophic factor-tropomyosin receptor kinase B signaling in the pedunculopontine tegmental nucleus: a novel mechanism for the homeostatic regulation of rapid eye movement sleep. <i>Journal of Neurochemistry</i> , 2017, 141, 111-123.	2.1	20
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1072	3-dimensional functionalized polycaprolactone-hyaluronic acid hydrogel constructs for bone tissue engineering. <i>Journal of Clinical Periodontology</i> , 2017, 44, 428-437.	2.3	47
1073	Neuroprotective effect of hypobaric hypoxic postconditioning is accompanied by dna protection and lipid peroxidation changes in rat hippocampus. <i>Neuroscience Letters</i> , 2017, 639, 49-52.	1.0	10
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1075	Standardizing the microbiota of fish used in research. <i>Laboratory Animals</i> , 2017, 51, 353-364.	0.5	30
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1077	Genome-wide in vivo screen identifies novel host regulators of metastatic colonization. <i>Nature</i> , 2017, 541, 233-236.	13.7	194
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1088	PDX-MI: Minimal Information for Patient-Derived Tumor Xenograft Models. <i>Cancer Research</i> , 2017, 77, e62-e66.	0.4	92
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1093	<i>Citrobacter rodentium</i> Subverts ATP Flux and Cholesterol Homeostasis in Intestinal Epithelial Cells In Vivo. <i>Cell Metabolism</i> , 2017, 26, 738-752.e6.	7.2	67
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1137	Characterization of murine polyspecific monoamine transporters. <i>FEBS Open Bio</i> , 2017, 7, 237-248.	1.0	16
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1172	Human germline hedgehog pathway mutations predispose to fatty liver. <i>Journal of Hepatology</i> , 2017, 67, 809-817.	1.8	24
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1196	Ameliorative effect of black grape juice on systemic alterations and mandibular osteoradionecrosis induced by whole brain irradiation in rats. <i>International Journal of Radiation Biology</i> , 2017, 93, 204-213.	1.0	5
1197	Maternal Immune Activation and Autism Spectrum Disorder: From Rodents to Nonhuman and Human Primates. <i>Biological Psychiatry</i> , 2017, 81, 391-401.	0.7	266
1198	Translating Mouse Models. <i>Toxicologic Pathology</i> , 2017, 45, 134-145.	0.9	49
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1271	Sleep-Dependent Oscillatory Synchronization: A Role in Fear Memory Consolidation. <i>Frontiers in Neural Circuits</i> , 2017, 11, 49.	1.4	15
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1278	Reduced Expression of VAMP8 in Lacrimal Gland Affected by Chronic Graft-versus-Host Disease. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-10.	0.6	6
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1292	Reliability of transcatheter pulmonary thermodilution cardiac output measurement in experimental aortic valve insufficiency. <i>PLoS ONE</i> , 2017, 12, e0186481.	1.1	2
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1310	Simple decision-tree tool to facilitate author identification of reporting guidelines during submission: a beforeâ€“after study. <i>Research Integrity and Peer Review</i> , 2017, 2, 20.	2.2	15
1312	Effects of Low-Dose Developmental Bisphenol A Exposure on Metabolic Parameters and Gene Expression in Male and Female Fischer 344 Rat Offspring. <i>Environmental Health Perspectives</i> , 2017, 125, 067018.	2.8	62
1313	A Murine Orthotopic Allograft to Model Prostate Cancer Growth and Metastasis. <i>Bio-protocol</i> , 2017, 7, .	0.2	8
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1315	Effect of implant placement depth on the peri-implant bone defect configurations in ligature-induced peri-implantitis: An experimental study in dogs. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2017, 23, 0-0.	0.7	4
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1318	Comparative effects of <i>meso</i> -2,3-dimercaptosuccinic acid, monensin, and salinomycin on cadmium-induced brain dysfunction in cadmium-intoxicated mice. <i>Interdisciplinary Toxicology</i> , 2017, 10, 107-113.	1.0	9
1319	Survival Curves and Behavioral Profiles of Female 3xTg-AD Mice Surviving to 18-Months of Age as Compared to Mice with Normal Aging. <i>Journal of Alzheimer's Disease Reports</i> , 2017, 1, 47-57.	1.2	24
1320	PD-L1/PD-L2-expressing B-1 cells inhibit alloreactive T cells in mice. <i>PLoS ONE</i> , 2017, 12, e0178765.	1.1	17
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1322	Augmented cartilage regeneration by implantation of cellular versus acellular implants after bone marrow stimulation: a systematic review and meta-analysis of animal studies. <i>PeerJ</i> , 2017, 5, e3927.	0.9	11
1323	Effect of oral administration of <i>Gnidia Stenophylla</i> Gilg aqueous root extract on food intake and histology of gastrointestinal tract in mice. <i>Ethiopian Journal of Health Sciences</i> , 2017, 27, 35.	0.2	1
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1329	CD38 promotes pristane-induced chronic inflammation and increases susceptibility to experimental lupus by an apoptosis-driven and TRPM2-dependent mechanism. <i>Scientific Reports</i> , 2018, 8, 3357.	1.6	25
1330	Patient-derived organoids model treatment response of metastatic gastrointestinal cancers. <i>Science</i> , 2018, 359, 920-926.	6.0	1,199
1331	Improving the conduct, reporting, and appraisal of animal research. <i>BMJ: British Medical Journal</i> , 2018, 360, j4935.	2.4	20
1332	The case for introducing pre-registered confirmatory pharmacological pre-clinical studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 749-754.	2.4	2
1333	Abstinence to chronic methamphetamine switches connectivity between striatal, hippocampal and sensorimotor regions and increases cerebral blood volume response. <i>NeuroImage</i> , 2018, 174, 364-379.	2.1	10
1334	Neuroanatomical characterization of imidazoline I <sub>2</sub> receptor agonist-induced antinociception. <i>European Journal of Neuroscience</i> , 2018, 47, 1087-1095.	1.2	4



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1335	Dihydrodiosgenin protects against experimental acute pancreatitis and associated lung injury through mitochondrial protection and $\text{PI3K}\beta/\text{Akt}$ inhibition. <i>British Journal of Pharmacology</i> , 2018, 175, 1621-1636.	2.7	25
1336	First report on characterization and pathogenicity study of emerging <i>Lactococcus garvieae</i> infection in farmed rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum), from India. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 1039-1048.	1.3	37
1337	Body temperature measurement in mice during acute illness: implantable temperature transponder versus surface infrared thermometry. <i>Scientific Reports</i> , 2018, 8, 3526.	1.6	58
1338	Chronic diazoxide treatment decreases fat mass and improves endurance capacity in an obese mouse model of Prader-Willi syndrome. <i>Molecular Genetics and Metabolism</i> , 2018, 123, 511-517.	0.5	15
1339	Sildenafil citrate on experimental periodontitis in rats: Microtomographic and histological analyses. <i>Oral Diseases</i> , 2018, 24, 1073-1082.	1.5	5
1340	Nimodipine confers clinical improvement in two models of experimental autoimmune encephalomyelitis. <i>Journal of Neurochemistry</i> , 2018, 146, 86-98.	2.1	26
1341	A prototype small-bore ventilation catheter with a cuff: cuff inflation optimizes ventilation with the Ventrain. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 328-335.	0.7	5
1342	Liraglutide prevents metabolic side-effects and improves recognition and working memory during antipsychotic treatment in rats. <i>Journal of Psychopharmacology</i> , 2018, 32, 578-590.	2.0	28
1343	Effect of Obesity or Metabolic Syndrome and Diabetes on Osseointegration of Dental Implants in a Miniature Swine Model: A Pilot Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018, 76, 1677-1687.	0.5	38
1344	Preclinical randomized controlled trial of bilateral discectomy versus bilateral discopexy in Black Merino sheep temporomandibular joint: TEMPOJIMS "Phase 1- histologic, imaging and body weight results. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 688-696.	0.7	10
1345	The immunoproteasome subunit LMP10 mediates angiotensin II-induced retinopathy in mice. <i>Redox Biology</i> , 2018, 16, 129-138.	3.9	29
1346	Influence of estrogen deficiency on guided bone augmentation: investigation of rat calvarial model and osteoblast-like $\text{MC}3T3\text{E1}$ cells. <i>European Journal of Oral Sciences</i> , 2018, 126, 206-213.	0.7	3
1347	Inhibition of astroglial connexin43 hemichannels with $\text{TAT-Gap19}$ exerts anticonvulsant effects in rodents. <i>Glia</i> , 2018, 66, 1788-1804.	2.5	50
1348	Comparative effects of meso-2,3-dimercaptosuccinic acid, monensin and salinomycin on the concentrations of cadmium and some essential elements in skeletal muscles of Cd-exposed mice. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 596-600.	1.5	3
1349	Antidepressant-like effect of losartan involves TRKB transactivation from angiotensin receptor type 2 (AGTR2) and recruitment of FYN. <i>Neuropharmacology</i> , 2018, 135, 163-171.	2.0	39
1350	3D artificial round section micro-vessels to investigate endothelial cells under physiological flow conditions. <i>Scientific Reports</i> , 2018, 8, 5898.	1.6	28
1351	The wMN1 enhancer region in intron 1 is required for expression of human <i>PLP1</i> . <i>Glia</i> , 2018, 66, 1763-1774.	2.5	4
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1354	Elf3 Contributes to Cartilage Degradation in vivo in a Surgical Model of Post-Traumatic Osteoarthritis. <i>Scientific Reports</i> , 2018, 8, 6438.	1.6	19
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1358	Implantation of platelet rich fibrin and allogenic mesenchymal stem cells facilitate the healing of muscle injury: An experimental study on animal. <i>International Journal of Surgery Open</i> , 2018, 11, 4-9.	0.2	8
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1360	Pharmacological validation of individual animal locomotion, temperature and behavioural analysis in group-housed rats using a novel automated home cage analysis system: A comparison with the modified Irwin test. <i>Journal of Pharmacological and Toxicological Methods</i> , 2018, 94, 1-13.	0.3	12
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1362	Novel heart failure biomarkers: why do we fail to exploit their potential?. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2018, 55, 246-263.	2.7	67
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1365	The effect of FASN inhibition on the growth and metabolism of a cisplatin-resistant ovarian carcinoma model. <i>International Journal of Cancer</i> , 2018, 143, 992-1002.	2.3	80
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1367	Administration of placenta-derived mesenchymal stem cells counteracts a delayed anergic state following a transient induction of endogenous neurogenesis activity after global cerebral ischemia. <i>Brain Research</i> , 2018, 1689, 63-74.	1.1	12
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1372	A practical blueprint to systematically study life-long health consequences of novel medically assisted reproductive treatments. <i>Human Reproduction</i> , 2018, 33, 784-792.	0.4	11
1373	Broad-Spectrum Regulation of Nonreceptor Tyrosine Kinases by the Bacterial ADP-Ribosyltransferase EspJ. <i>MBio</i> , 2018, 9, .	1.8	21
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1388	Targeting Tyro3 ameliorates a model of PGRN-mutant FTLTDP via tau-mediated synaptic pathology. <i>Nature Communications</i> , 2018, 9, 433.	5.8	23

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1390	Fully Automatic Lesion Localization and Characterization: Application to Brain Tumors Using Multiparametric Quantitative MRI Data. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 1678-1689.	5.4	36
1391	Sensitization of transient receptor potential vanilloid 4 and increasing its endogenous ligand 5,6-epoxyeicosatrienoic acid in rats with monoiodoacetate-induced osteoarthritis. <i>Pain</i> , 2018, 159, 939-947.	2.0	33
1392	Biological response to self-etch adhesive after partial caries removal in rats. <i>Clinical Oral Investigations</i> , 2018, 22, 2161-2173.	1.4	6
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1394	Curcumin supplementation ameliorated vascular dysfunction and improved antioxidant status in rats fed a high-sucrose, high-fat diet. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 669-676.	0.9	17
1395	Distinct Roles of Protein Phosphatase 1 Bound on Neurabin and Spinophilin and Its Regulation in AMPA Receptor Trafficking and LTD Induction. <i>Molecular Neurobiology</i> , 2018, 55, 7179-7186.	1.9	14
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1405	Safety and efficacy of fetal surgery techniques to close a spina bifida defect in the fetal lamb model: A systematic review. <i>Prenatal Diagnosis</i> , 2018, 38, 231-242.	1.1	24
1406	Immunogene expression in head kidney and spleen of common carp ( <i>Cyprinus carpio</i> L.) following thermal stress and challenge with Gram-negative bacterium, <i>Aeromonas hydrophila</i> . <i>Aquaculture International</i> , 2018, 26, 727-741.	1.1	6

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1413	Rodent analgesia: Assessment and therapeutics. <i>Veterinary Journal</i> , 2018, 232, 70-77.	0.6	35
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1423	On determining sample size in experiments involving laboratory animals. <i>Laboratory Animals</i> , 2018, 52, 341-350.	0.5	100
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1427	A Brief Guide to Studying Fear in Developing Rodents: Important Considerations and Common Pitfalls. <i>Current Protocols in Neuroscience</i> , 2018, 83, e44.	2.6	10
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1431	Improving animal research: PREPARE before you ARRIVE. <i>BMJ: British Medical Journal</i> , 2018, 360, k760.	2.4	12
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1435	Identification of a novel small-molecule Keap1-Nrf2 PPI inhibitor with cytoprotective effects on LPS-induced cardiomyopathy. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 833-841.	2.5	50
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1454	Oxytocin Signaling in the Lateral Septum Prevents Social Fear during Lactation. Current Biology, 2018, 28, 1066-1078.e6.	1.8	140
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1474	Safety of a benazepril and pimobendan combination tablet in adult healthy dogs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2018, 41, 105-116.	0.6	0
1475	Efficacy of platelets in bone healing: A systematic review on animal studies. <i>Platelets</i> , 2018, 29, 326-337.	1.1	15
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1482	Are rodent models of Parkinson's disease behaving as they should?. <i>Behavioural Brain Research</i> , 2018, 352, 133-141.	1.2	46
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1484	Xiphoid Surface Temperature Predicts Mortality in a Murine Model of Septic Shock. <i>Shock</i> , 2018, 50, 226-232.	1.0	17
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1493	Acute stress disrupts temporal patterns of behavioral and biochemical parameters of rats. <i>Biological Rhythm Research</i> , 2018, 49, 521-538.	0.4	0
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1495	Mitochondrial DNA is Released in Urine of SIRS Patients With Acute Kidney Injury and Correlates With Severity of Renal Dysfunction. <i>Shock</i> , 2018, 49, 301-310.	1.0	47
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1501	Nerve-specific, xenogeneic extracellular matrix hydrogel promotes recovery following peripheral nerve injury. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 450-459.	2.1	49
1502	The 3Rs in research: a contemporary approach to replacement, reduction and refinement. <i>British Journal of Nutrition</i> , 2018, 120, S1-S7.	1.2	115
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1504	NAD-biosynthetic enzyme NMNAT1 reduces early behavioral impairment in the htau mouse model of tauopathy. <i>Behavioural Brain Research</i> , 2018, 339, 140-152.	1.2	26
1505	Effects of combined helium pre/post-conditioning on the brain and heart in a rat resuscitation model. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 63-74.	0.7	18
1506	Quality of reporting of otorhinolaryngology articles using animal models with the ARRIVE statement. <i>Laboratory Animals</i> , 2018, 52, 79-87.	0.5	13
1507	Resolvins suppress tumor growth and enhance cancer therapy. <i>Journal of Experimental Medicine</i> , 2018, 215, 115-140.	4.2	200
1508	Hyper-response to Novelty Increases c-Fos Expression in the Hippocampus and Prefrontal Cortex in a Rat Model of Schizophrenia. <i>Neurochemical Research</i> , 2018, 43, 441-448.	1.6	13
1509	Osteopontin regulates dentin and alveolar bone development and mineralization. <i>Bone</i> , 2018, 107, 196-207.	1.4	95
1510	Efficacy of platelet concentrates in bone healing: A systematic review on animal studies – Part B: Large-size animal models. <i>Platelets</i> , 2018, 29, 338-346.	1.1	20
1511	In vivo evaluation of antipyretic effects of some homeopathic ultra-high dilutions on Baker's yeast-induced fever on Similia principle. <i>Journal of Ayurveda and Integrative Medicine</i> , 2018, 9, 177-182.	0.9	8
1512	A spontaneously immortalized Schwann cell line from aldose reductase-deficient mice as a useful tool for studying polyol pathway and aldehyde metabolism. <i>Journal of Neurochemistry</i> , 2018, 144, 710-722.	2.1	18
1513	Triheptanoin protects against status epilepticus-induced hippocampal mitochondrial dysfunctions, oxidative stress and neuronal degeneration. <i>Journal of Neurochemistry</i> , 2018, 144, 431-442.	2.1	23
1514	Parecoxib's effects on anastomotic and abdominal wound healing: a randomized Controlled trial. <i>Journal of Surgical Research</i> , 2018, 223, 165-173.	0.8	10
1515	Garcinia mangostana Linn displays antidepressant-like and pro-cognitive effects in a genetic animal model of depression: a bio-behavioral study in the Flinders Sensitive Line rat. <i>Metabolic Brain Disease</i> , 2018, 33, 467-480.	1.4	24

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1517	Local administration of calcitonin inhibits alveolar bone loss in an experimental periodontitis in rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 765-770.	2.5	15
1518	Lacking quality in research: Is behavioral neuroscience affected more than other areas of biomedical science?. <i>Journal of Neuroscience Methods</i> , 2018, 300, 4-9.	1.3	20
1519	Protein expression during early stages of bone regeneration under hydrophobic and hydrophilic titanium domes. A pilot study. <i>Journal of Periodontal Research</i> , 2018, 53, 174-187.	1.4	27
1520	Urodynamic measurements reflect physiological bladder function in rats. <i>Neurourology and Urodynamics</i> , 2018, 37, 1266-1271.	0.8	8
1521	227 th ENMC International Workshop: Neuromuscular Disorders, 2018, 28, 185-192.	0.3	5
1522	Quantifying the relationship between inhibition of VEGF receptor 2, drug-induced blood pressure elevation and hypertension. <i>British Journal of Pharmacology</i> , 2018, 175, 618-630.	2.7	18
1523	Oral administration of a novel lipophilic PPAR $\gamma$ agonist is not neuroprotective after rodent cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 174-185.	2.4	2
1524	Long-term cilostazol administration prevents age-related decline of hippocampus-dependent memory in mice. <i>Neuropharmacology</i> , 2018, 129, 57-68.	2.0	14
1525	N-acetyl cysteine reverses bio-behavioural changes induced by prenatal inflammation, adolescent methamphetamine exposure and combined challenges. <i>Psychopharmacology</i> , 2018, 235, 351-368.	1.5	34
1526	Effects and mechanisms of caffeine to improve immunological and metabolic abnormalities in diet-induced obese rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E433-E447.	1.8	20
1527	Characterization and pathogenicity study of <i>Chryseobacterium scophthalmum</i> recovered from gill lesions of diseased golden mahseer, <i>Tor putitora</i> (Hamilton, 1822) in India. <i>Aquaculture</i> , 2018, 485, 81-92.	1.7	26
1528	Advances in nonhuman primate models of autism: Integrating neuroscience and behavior. <i>Experimental Neurology</i> , 2018, 299, 252-265.	2.0	56
1529	Approaches to Evaluate Lung Inflammation in Translational Research. <i>Veterinary Pathology</i> , 2018, 55, 42-52.	0.8	38
1530	Exercise during pregnancy and its impact on mothers and offspring in humans and mice. <i>Journal of Developmental Origins of Health and Disease</i> , 2018, 9, 63-76.	0.7	36
1531	PREPARE: guidelines for planning animal research and testing. <i>Laboratory Animals</i> , 2018, 52, 135-141.	0.5	322
1532	$\beta$ 1-integrin-matrix interactions modulate cerebral microvessel endothelial cell tight junction expression and permeability. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 641-658.	2.4	49
1533	Pathology Principles and Practices for Analysis of Animal Models. <i>ILAR Journal</i> , 2018, 59, 40-50.	1.8	14

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1535	Vibration in mice: A review of comparative effects and use in translational research. <i>Animal Models and Experimental Medicine</i> , 2018, 1, 116-124.	1.3	18
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1537	Analgesic effects of a novel pH-dependent $\mu$ -opioid receptor agonist in models of neuropathic and abdominal pain. <i>Pain</i> , 2018, 159, 2277-2284.	2.0	51
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1539	Fundamental Concepts for Semiquantitative Tissue Scoring in Translational Research. <i>ILAR Journal</i> , 2018, 59, 13-17.	1.8	54
1540	A companion to the preclinical common data elements on neurobehavioral comorbidities of epilepsy: a report of the <sc>TASK</sc>3 behavior working group of the <sc>ILAE</sc>/<sc>AES</sc> Joint Translational Task Force. <i>Epilepsia Open</i> , 2018, 3, 24-52.	1.3	34
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1542	Increased Vulnerability to Atrial Fibrillation Is Associated With Increased Susceptibility to Alternans in Old Sheep. <i>Journal of the American Heart Association</i> , 2018, 7, e009972.	1.6	14
1543	Effects of daily morphine treatment on impulsivity in rats responding under an adjusting stop-signal reaction time task. <i>Behavioural Pharmacology</i> , 2018, 29, 676-687.	0.8	8
1544	The broiler chicken as a signal of a human reconfigured biosphere. <i>Royal Society Open Science</i> , 2018, 5, 180325.	1.1	120
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1546	Changes in Plasma Protein Expression Indicative of Early Diet-induced Metabolic Disease in Male Pigs (<i>Sus scrofa</i>). <i>Comparative Medicine</i> , 2018, 68, 286-293.	0.4	2
1547	Changes of myelin basic protein in the hippocampus of an animal model of type 2 diabetes. <i>Laboratory Animal Research</i> , 2018, 34, 176.	1.1	9
1548	<i>Bacopa monnieri</i> extract improves novel object recognition, cell proliferation, neuroblast differentiation, brain-derived neurotrophic factor, and phosphorylation of cAMP response element-binding protein in the dentate gyrus. <i>Laboratory Animal Research</i> , 2018, 34, 239.	1.1	8
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1550	Heart rate elevations during early sepsis predict death in fluid-resuscitated rats with fecal peritonitis. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 28.	0.9	11
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1555	Combined inhibition of receptor tyrosine and p21-activated kinases as a therapeutic strategy in childhood ALL. <i>Blood Advances</i> , 2018, 2, 2554-2567.	2.5	14
1556	Advances in Achieving Opioid Analgesia Without Side Effects. <i>Frontiers in Pharmacology</i> , 2018, 9, 1388.	1.6	127
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1559	Improving pregnancy outcomes in humans through studies in sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R1123-R1153.	0.9	111
1560	Bioavailability of a novel form of silicon supplement. <i>Scientific Reports</i> , 2018, 8, 17022.	1.6	15
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1564	The Reporting Items for Patent Landscapes statement. <i>Nature Biotechnology</i> , 2018, 36, 1043-1047.	9.4	19
1565	Application and optimization of CRISPR-Cas9-mediated genome engineering in axolotl ( <i>Ambystoma</i> ) Tj ETQq1 1.0.784314.rgBT / Over	5.5	34
1566	A New Physiologic Mouse Model of One Anastomosis Gastric Bypass. <i>European Surgical Research</i> , 2018, 59, 320-328.	0.6	2
1567	Focal Malonate Injection Into the Internal Capsule of Rats as a Model of Lacunar Stroke. <i>Frontiers in Neurology</i> , 2018, 9, 1072.	1.1	8
1568	Disc degeneration promotes regional inhomogeneity in the trabecular morphology of loaded rat tail vertebrae. <i>Journal of Orthopaedic Translation</i> , 2018, 15, 104-111.	1.9	2
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1571	Alteration of tumor suppressor BMP5 in sporadic colorectal cancer: a genomic and transcriptomic profiling based study. <i>Molecular Cancer</i> , 2018, 17, 176.	7.9	43
1572	Pre-stroke surgery is not beneficial to normotensive rats undergoing sixty minutes of transient focal cerebral ischemia. <i>PLoS ONE</i> , 2018, 13, e0209370.	1.1	0
1573	Mechanisms Underpinning Adaptations in Placental Calcium Transport in Normal Mice and Those With Fetal Growth Restriction. <i>Frontiers in Endocrinology</i> , 2018, 9, 671.	1.5	3
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1576	Effects of Rodent Thermoregulation on Animal Models in the Research Environment. <i>Comparative Medicine</i> , 2018, 68, 425-438.	0.4	85
1577	Hair cortisol concentrations in New Zealand white rabbits subjected to surgery. <i>Animal Welfare</i> , 2018, 27, 13-20.	0.3	4
1578	Sensitivity of Multiphase Pseudocontinuous Arterial Spin Labelling (MP pCASL) Magnetic Resonance Imaging for Measuring Brain and Tumour Blood Flow in Mice. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-11.	0.4	10
1579	Fluid administration rate for uncontrolled intraabdominal hemorrhage in swine. <i>PLoS ONE</i> , 2018, 13, e0207708.	1.1	6
1580	Stroke: The past, present and future. <i>Brain and Neuroscience Advances</i> , 2018, 2, 239821281881068.	1.8	21
1581	What's New in Musculoskeletal Basic Science. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 2082-2086.	1.4	0
1582	Tumour-vasculature development via endothelial-to-mesenchymal transition after radiotherapy controls CD44 <sup>v6+</sup> cancer cell and macrophage polarization. <i>Nature Communications</i> , 2018, 9, 5108.	5.8	74
1583	Electrocardiography vs. Auscultation to Assess Heart Rate During Cardiac Arrest With Pulseless Electrical Activity in Newborn Infants. <i>Frontiers in Pediatrics</i> , 2018, 6, 366.	0.9	20
1584	Dendritic spine loss caused by AlCl <sub>3</sub> is associated with inhibition of the Rac 1/cofilin signaling pathway. <i>Environmental Pollution</i> , 2018, 243, 1689-1695.	3.7	8
1585	Selenium-sensitive miRNA targeting SBP2 regulates selenoproteins expression in cartilage. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5888-5898.	1.6	14
1586	Detrimental effects of 2-arachidonoylglycerol on whole blood platelet aggregation and on cerebral blood flow after a focal ischemic insult in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H967-H977.	1.5	9
1587	Toxicological assessment of multi-walled carbon nanotubes combined with nonylphenol in male mice. <i>PLoS ONE</i> , 2018, 13, e0200238.	1.1	13



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1589	Parkinson's disease research: adopting a more human perspective to accelerate advances. <i>Drug Discovery Today</i> , 2018, 23, 1950-1961.	3.2	15
1590	Melatonin as adjunctive therapy in the treatment of periodontitis associated with obesity. <i>Journal of Clinical Periodontology</i> , 2018, 45, 1336-1346.	2.3	21
1591	Faithful animal modelling of human glioma by using primary initiating cells and its implications for radiosensitization therapy. <i>Scientific Reports</i> , 2018, 8, 14191.	1.6	11
1592	Cisplatin-Induced Rodent Model of Kidney Injury: Characteristics and Challenges. <i>BioMed Research International</i> , 2018, 2018, 1-29.	0.9	131
1593	Effects of probiotics, prebiotics or synbiotics on jawbone in obese-insulin resistant rats. <i>European Journal of Nutrition</i> , 2019, 58, 2801-2810.	1.8	12
1594	The P2X7 Receptor, Cathepsin S and Fractalkine in the Trigeminal Subnucleus Caudalis Signal Persistent Hypernociception in Temporomandibular Rat Joints. <i>Neuroscience</i> , 2018, 391, 120-130.	1.1	24
1595	Preclinical safety evaluation of the human-identical milk oligosaccharide lacto-N-tetraose. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 99, 260-273.	1.3	18
1596	The Role of CD38 on the Function of Regulatory B Cells in a Murine Model of Lupus. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2906.	1.8	13
1597	Moderate developmental alcohol exposure reduces repetitive alternation in a zebrafish model of fetal alcohol spectrum disorders. <i>Neurotoxicology and Teratology</i> , 2018, 70, 1-9.	1.2	25
1598	Reported use of reporting guidelines among JNCI: Journal of the National Cancer Institute authors, editorial outcomes, and reviewer ratings related to adherence to guidelines and clarity of presentation. <i>Research Integrity and Peer Review</i> , 2018, 3, 7.	2.2	8
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1600	Complete genome sequence of <i>Kocuria rhizophila</i> BT304, isolated from the small intestine of castrated beef cattle. <i>Gut Pathogens</i> , 2018, 10, 42.	1.6	5
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1602	Histological and micro-CT analysis of peri-implant soft and hard tissue healing on implants with different healing abutments configurations. <i>Clinical Oral Implants Research</i> , 2018, 29, 1007-1015.	1.9	37
1603	Pharmacokinetics of intramuscular alfaxalone and its echocardiographic, cardiopulmonary and sedative effects in healthy dogs. <i>PLoS ONE</i> , 2018, 13, e0204553.	1.1	24
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1607	A Proof of the Low Speed Centrifugation Concept in Rodents: New Perspectives for <i>In Vivo</i> Research. <i>Tissue Engineering - Part C: Methods</i> , 2018, 24, 659-670.	1.1	19
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1609	Revision of the ARRIVE guidelines: rationale and scope. <i>BMJ Open Science</i> , 2018, 2, e000002.	0.8	36
1610	LG11 antibodies alter Kv1.1 and AMPA receptors changing synaptic excitability, plasticity and memory. <i>Brain</i> , 2018, 141, 3144-3159.	3.7	112
1611	Bovine Milk Oligosaccharides with Sialyllactose for Preterm Piglets. <i>Nutrients</i> , 2018, 10, 1489.	1.7	17
1612	The Shared Ethical Responsibility of Medically and Non-medically Qualified Experts in Human Drug Development Teams. <i>Frontiers in Pharmacology</i> , 2018, 9, 843.	1.6	1
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1614	Meniscal extrusion and degeneration during the course of osteoarthritis in the Murine collagenase-induced osteoarthritis model. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2416-2420.	1.2	8
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1616	Detoxification of Aflatoxin-Contaminated Poultry Feeds by 3 Adsorbents, Bentonite, Activated Charcoal, and Fuller's Earth. <i>Journal of Applied Poultry Research</i> , 2018, 27, 461-471.	0.6	26
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1621	Peripherally derived macrophages modulate microglial function to reduce inflammation after CNS injury. <i>PLoS Biology</i> , 2018, 16, e2005264.	2.6	159
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1625	Quantitative perfusion assessment of intestinal anastomoses in pigs treated with glucagon-like peptide 2. <i>Langenbeck's Archives of Surgery</i> , 2018, 403, 881-889.	0.8	10
1626	Attenuation of oxidative stress-induced lesions in skeletal muscle in a mouse model of obesity-independent hyperlipidaemia and atherosclerosis through the inhibition of Nox2 activity. <i>Free Radical Biology and Medicine</i> , 2018, 129, 504-519.	1.3	15
1627	In vitro studies on space-conforming self-assembling silk hydrogels as a mesenchymal stem cell-support matrix suitable for minimally invasive brain application. <i>Scientific Reports</i> , 2018, 8, 13655.	1.6	31
1628	Evaluation of small intestinal damage in a rat model of 6 minutes cardiac arrest. <i>BMC Anesthesiology</i> , 2018, 18, 61.	0.7	13
1629	A Context-Based Analgesia Model in Rats: Involvement of Prefrontal Cortex. <i>Neuroscience Bulletin</i> , 2018, 34, 1047-1057.	1.5	10
1630	Fat composition in infant formula contributes to the severity of necrotising enterocolitis. <i>British Journal of Nutrition</i> , 2018, 120, 665-680.	1.2	26
1631	Eye, body or tail? Thermography as a measure of stress in mice. <i>Physiology and Behavior</i> , 2018, 196, 135-143.	1.0	24
1632	Effect of Prenatal Hypoxia on Cholinesterase Activity in Blood Serum of Rats. <i>Neurochemical Journal</i> , 2018, 12, 159-167.	0.2	2
1633	Minimum information reporting in bioinformatics nano experimental literature. <i>Nature Nanotechnology</i> , 2018, 13, 777-785.	15.6	455
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1635	Simultaneous Cryosectioning of Multiple Rodent Brains. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	7
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1637	Characterization of a <i>Listeria monocytogenes</i> meningitis mouse model. <i>Journal of Neuroinflammation</i> , 2018, 15, 257.	3.1	30
1638	Correction of cognitive deficits in mouse models of Down syndrome by a pharmacological inhibitor of DYRK1A. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	1.2	55
1639	Future of Regulatory Safety Assessments. , 2018, , 1-24.		0
1640	Fetal growth restriction shortens cardiac telomere length, but this is attenuated by exercise in early life. <i>Physiological Genomics</i> , 2018, 50, 956-963.	1.0	4
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1644	Selective serotonin re-uptake inhibitor sertraline inhibits bone healing in a calvarial defect model. <i>International Journal of Oral Science</i> , 2018, 10, 25.	3.6	20
1645	Assessing the feasibility of intranasal radiotracer administration for in brain PET imaging. <i>Nuclear Medicine and Biology</i> , 2018, 66, 32-39.	0.3	7
1646	A histomorphometric classification system for normal and inflamed mouse duodenum – a quantitative approach. <i>International Journal of Experimental Pathology</i> , 2018, 99, 189-198.	0.6	5
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1654	Local release of tacrolimus from hydrogel-based drug delivery system is controlled by inflammatory enzymes in vivo and can be monitored non-invasively using in vivo imaging. <i>PLoS ONE</i> , 2018, 13, e0203409.	1.1	16
1655	Effect of local administration of simvastatin on postorthodontic relapse in a rabbit model. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2018, 153, 861-871.	0.8	16
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1658	Hypothermia does not influence liver damage and function in a porcine polytrauma model. <i>Technology and Health Care</i> , 2018, 26, 209-221.	0.5	3
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1661	Rho-kinase inhibitors do not expand hematoma volume in acute experimental intracerebral hemorrhage. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 769-776.	1.7	10
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1665	Mice exposed to bisphenol A exhibit depressive-like behavior with neurotransmitter and neuroactive steroid dysfunction. <i>Hormones and Behavior</i> , 2018, 102, 93-104.	1.0	46
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1708	Impact of different intratracheal flows during lung decellularization on extracellular matrix composition and mechanics. <i>Regenerative Medicine</i> , 2018, 13, 519-530.	0.8	5
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1710	Five traditional Nigerian Polyherbal remedies protect against high fructose fed, Streptozotocin-induced type 2 diabetes in male Wistar rats. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 160.	3.7	8
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1735	A novel method to isolate retinal and brain microvessels from individual rats: Microscopic and molecular biological characterization and application in hyperglycemic animals. <i>Vascular Pharmacology</i> , 2018, 110, 24-30.	1.0	7
1736	Common marmoset ( <i>Callithrix jacchus</i> ) personality, subjective well-being, hair cortisol level and AVPR1a, OPRM1, and DAT genotypes. <i>Scientific Reports</i> , 2018, 8, 10255.	1.6	40
1737	Ensuring reproducibility and ethics in animal experiments reporting in Korea using the ARRIVE guideline. <i>Laboratory Animal Research</i> , 2018, 34, 11.	1.1	12
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1742	EAAC1 gene deletion reduces adult hippocampal neurogenesis after transient cerebral ischemia. <i>Scientific Reports</i> , 2018, 8, 6903.	1.6	10
1743	Synaptotagmin XIII expression and peritoneal metastasis in gastric cancer. <i>British Journal of Surgery</i> , 2018, 105, 1349-1358.	0.1	44
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1745	Rivaroxaban does not influence hemorrhagic transformation in a diabetes ischemic stroke and endovascular thrombectomy model. <i>Scientific Reports</i> , 2018, 8, 7408.	1.6	11
1746	Genoprotective, antioxidant, antifungal and anti-inflammatory evaluation of hydroalcoholic extract of wild-growing <i>Juniperus communis</i> L. (Cupressaceae) native to Romanian southern sub-Carpathian hills. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 3.	3.7	32
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1751	The influence of sutulectomy on age-related changes in cerebral blood flow in rabbits with familial bicoronal suture craniosynostosis: A quantitative analysis. <i>PLoS ONE</i> , 2018, 13, e0197296.	1.1	8
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1753	Practical guidelines for rigor and reproducibility in preclinical and clinical studies on cardioprotection. <i>Basic Research in Cardiology</i> , 2018, 113, 39.	2.5	311
1754	Inhibition of Vascular Calcification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2382-2395.	1.1	41
1755	Experimental study of diclofenac and its biliary metabolites on anastomotic healing. <i>BJS Open</i> , 2018, 2, 220-228.	0.7	1
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1760	Tanshinone IIA attenuates nerve structural and functional damage induced by nerve crush injury in rats. <i>PLoS ONE</i> , 2018, 13, e0202532.	1.1	6
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1762	Microscopy, Immuno-Histochemistry, Digital Imaging, and Quantitative Microscopy. , 2018, , 53-66.		8
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1764	Effects of olanzapine and haloperidol on mTORC1 signaling, dendritic outgrowth, and synaptic proteins in rat primary hippocampal neurons under toxic conditions. <i>Neuroscience Letters</i> , 2018, 686, 59-66.	1.0	4
1765	Applicability of Plant Extracts in Preclinical Studies of Melanoma: A Systematic Review. <i>Mediators of Inflammation</i> , 2018, 2018, 1-28.	1.4	23
1766	Assessment of HIF-1 $\alpha$ expression and release following endothelial injury in-vitro and in-vivo. <i>Molecular Medicine</i> , 2018, 24, 22.	1.9	19
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1770	Development of Swimming Abilities in Squid Paralarvae: Behavioral and Ecological Implications for Dispersal. <i>Frontiers in Physiology</i> , 2018, 9, 954.	1.3	17
1771	Evaluation of Amino-Functional Polyester Dendrimers Based on Bis-MPA as Nonviral Vectors for siRNA Delivery. <i>Molecules</i> , 2018, 23, 2028.	1.7	38
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1774	Effects of esmolol on systemic hemodynamics and heart rate variability measured using the Analgesia/Nociception Index in resuscitated piglets with <i>Pseudomonas aeruginosa</i> septic shock. <i>Journal of Veterinary Emergency and Critical Care</i> , 2018, 28, 447-456.	0.4	6
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1777	Impairment of frequency-specific responses associated with altered electrical activity patterns in auditory thalamus following focal and general demyelination. <i>Experimental Neurology</i> , 2018, 309, 54-66.	2.0	15
1778	Accuracy of assessment of luteal morphology and luteal blood flow for prediction of early pregnancy in goats. <i>Theriogenology</i> , 2018, 121, 104-111.	0.9	13
1779	Endoplasmic reticulum stress-dependent ROS production mediates synovial myofibroblastic differentiation in the immobilization-induced rat knee joint contracture model. <i>Experimental Cell Research</i> , 2018, 369, 325-334.	1.2	19
1780	Melatonin expression in periodontitis and obesity: An experimental <i>in vivo</i> investigation. <i>Journal of Periodontal Research</i> , 2018, 53, 825-831.	1.4	18
1781	The cytoskeleton in "couch potato-ism": Insights from a murine model of impaired actin dynamics. <i>Experimental Neurology</i> , 2018, 306, 34-44.	2.0	2
1782	Doxycycline inhibits experimental cerebral malaria by reducing inflammatory immune reactions and tissue-degrading mediators. <i>PLoS ONE</i> , 2018, 13, e0192717.	1.1	15
1783	A novel method for high precision aortic constriction that allows for generation of specific cardiac phenotypes in mice. <i>Cardiovascular Research</i> , 2018, 114, 1680-1690.	1.8	36
1784	Reported analgesic and anaesthetic administration to non-human primates undergoing experimental surgical procedure: 2010-2015. <i>Journal of Medical Primatology</i> , 2018, 47, 217-225.	0.3	13
1785	Sparstolonin B improves neurological outcomes following intracerebral hemorrhage in mice. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 5436-5442.	0.8	9

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1788	Intrauterine growth restriction may reduce hepatic drug metabolism in the early neonatal period. <i>Pharmacological Research</i> , 2018, 134, 68-78.	3.1	15
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1863	Considerations in selecting postoperative analgesia for pregnant sheep following fetal instrumentation surgery. <i>Animal Frontiers</i> , 2019, 9, 60-67.	0.8	27
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1916	A circRNA signature predicts postoperative recurrence in stage II/III colon cancer. <i>EMBO Molecular Medicine</i> , 2019, 11, e10168.	3.3	90
1917	Indomethacin Enhances Type 1 Cannabinoid Receptor Signaling. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 257.	1.4	12
1918	Vitamin C and vitamin E double-deficiency increased neuroinflammation and impaired conditioned fear memory. <i>Archives of Biochemistry and Biophysics</i> , 2019, 663, 120-128.	1.4	17
1919	Small airway hyperresponsiveness in COPD: relationship between structure and function in lung slices. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L537-L546.	1.3	26
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1933	Testing the Translational Power of the Zebrafish: An Interspecies Analysis of Responses to Cardiovascular Drugs. <i>Frontiers in Pharmacology</i> , 2019, 10, 893.	1.6	27
1934	The pain trajectory of juvenile idiopathic arthritis (JIA): translating from adolescent patient report to behavioural sensitivity in a juvenile animal model. <i>Pediatric Rheumatology</i> , 2019, 17, 60.	0.9	4
1935	A systematic review of studies utilizing hair glucocorticoids as a measure of stress suggests the marker is more appropriate for quantifying short-term stressors. <i>Scientific Reports</i> , 2019, 9, 11997.	1.6	58
1936	Î±-Hispanolol Induces Apoptosis and Suppresses Migration and Invasion of Glioblastoma Cells Likely via Downregulation of MMP-2/9 Expression and p38MAPK Attenuation. <i>Frontiers in Pharmacology</i> , 2019, 10, 935.	1.6	11
1937	Extracorporeal resuscitation with carbon monoxide improves renal function by targeting inflammatory pathways in cardiac arrest in pigs. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F1572-F1581.	1.3	8
1938	The period circadian clock 2 gene responds to glucocorticoids and regulates osteogenic capacity. <i>Regenerative Therapy</i> , 2019, 11, 199-206.	1.4	6
1939	Angiotensin II type 2 receptor and angiotensin-converting enzyme 2 mediate ischemic renal injury in diabetic and non-diabetic rats. <i>Life Sciences</i> , 2019, 235, 116796.	2.0	29
1940	Bruton's Tyrosine Kinase Inhibition Attenuates the Cardiac Dysfunction Caused by Cecal Ligation and Puncture in Mice. <i>Frontiers in Immunology</i> , 2019, 10, 2129.	2.2	31
1941	Virus Shedding of Avian Influenza in Poultry: A Systematic Review and Meta-Analysis. <i>Viruses</i> , 2019, 11, 812.	1.5	34
1942	Circulating heparan sulfate fragments mediate septic cognitive dysfunction. <i>Journal of Clinical Investigation</i> , 2019, 129, 1779-1784.	3.9	79
1943	The Potential of Biomaterial-Based Approaches as Therapies for Ischemic Stroke: A Systematic Review and Meta-Analysis of Pre-clinical Studies. <i>Frontiers in Neurology</i> , 2019, 10, 924.	1.1	12
1944	Comparative toxicoproteogenomics of mouse and rat liver identifies TCDD-resistance genes. <i>Archives of Toxicology</i> , 2019, 93, 2961-2978.	1.9	3
1945	The Application of Statins in the Regeneration of Bone Defects. <i>Systematic Review and Meta-Analysis. Materials</i> , 2019, 12, 2992.	1.3	11
1946	Ultrasound remission can predict future good structural outcome in collagen-induced arthritis rats. <i>Scientific Reports</i> , 2019, 9, 13294.	1.6	1
1947	Mesenchymal Stromal Cells Are More Effective Than Their Extracellular Vesicles at Reducing Lung Injury Regardless of Acute Respiratory Distress Syndrome Etiology. <i>Stem Cells International</i> , 2019, 1-15.	1.2	47
1948	Contamination of hybrid hernia meshes compared to bioresorbable Phasix®, Mesh in a rabbit subcutaneous implant inoculation model. <i>Annals of Medicine and Surgery</i> , 2019, 46, 12-16.	0.5	17

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1949	Obesity-induced inflammation and insulin resistance: A mini-review on T-cells. <i>Metabolism Open</i> , 2019, 3, 100015.	1.4	31
1950	Differences in blastomere totipotency in 2-cell mouse embryos are a maternal trait mediated by asymmetric mRNA distribution. <i>Molecular Human Reproduction</i> , 2019, 25, 729-744.	1.3	9
1951	Minocycline alters behavior, microglia and the gut microbiome in a trait-anxiety-dependent manner. <i>Translational Psychiatry</i> , 2019, 9, 223.	2.4	104
1952	Comparative assessment of the effects of meso-2,3-dimercaptosuccinic acid and salinomycin on spleen function of cadmium-exposed mice. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33304-33310.	2.7	5
1953	Minimum Information in In Vivo Research. <i>Handbook of Experimental Pharmacology</i> , 2019, 257, 197-222.	0.9	2
1954	Good Research Practice: Lessons from Animal Care and Use. <i>Handbook of Experimental Pharmacology</i> , 2019, 257, 367-382.	0.9	8
1955	Value of contrast-enhanced ultrasound for detection of synovial vascularity in experimental rheumatoid arthritis: an exploratory study. <i>Journal of International Medical Research</i> , 2019, 47, 5740-5751.	0.4	9
1956	Maternal Obesity Alters Neurotrophin-Associated MAPK Signaling in the Hypothalamus of Male Mouse Offspring. <i>Frontiers in Neuroscience</i> , 2019, 13, 962.	1.4	20
1957	Effects of Lidocaine and Src Inhibition on Metastasis in a Murine Model of Breast Cancer Surgery. <i>Cancers</i> , 2019, 11, 1414.	1.7	32
1958	Proteins mimicking epitope of HIV-1 virus neutralizing antibody induce virus-neutralizing sera in mice. <i>EBioMedicine</i> , 2019, 47, 247-256.	2.7	6
1959	Sex-specific behavioral effects following developmental exposure to tetrabromobisphenol A (TBBPA) in Wistar rats. <i>NeuroToxicology</i> , 2019, 75, 136-147.	1.4	19
1960	Central Application of Aliskiren, a Renin Inhibitor, Improves Outcome After Experimental Stroke Independent of Its Blood Pressure Lowering Effect. <i>Frontiers in Neurology</i> , 2019, 10, 942.	1.1	10
1961	Loss of HMBOX1 promotes LPS-induced apoptosis and inhibits LPS-induced autophagy of vascular endothelial cells in mouse. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019, 24, 946-957.	2.2	9
1962	The effect of angiopoietin-1 upregulation on the outcome of acute ischaemic stroke in rodent models: A meta-analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2343-2354.	2.4	13
1963	A Dual Protective Effect of Intestinal Remote Ischemic Conditioning in a Rat Model of Total Hepatic Ischemia. <i>Journal of Clinical Medicine</i> , 2019, 8, 1546.	1.0	11
1964	Carbon monoxide attenuates vasospasm and improves neurobehavioral function after subarachnoid hemorrhage. <i>Archives of Biochemistry and Biophysics</i> , 2019, 676, 108117.	1.4	15
1965	Skeletal muscle amino acid uptake is lower and alanine production is greater in late gestation intrauterine growth-restricted fetal sheep hindlimb. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R615-R629.	0.9	22
1966	Pre-arrest hypothermia improved cardiac function of rats by ameliorating the myocardial mitochondrial injury after cardiac arrest. <i>Experimental Biology and Medicine</i> , 2019, 244, 1186-1192.	1.1	4



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1968	Comparison of two techniques for a comprehensive gut histopathological analysis: Swiss Roll versus Intestine Strips. <i>Experimental and Molecular Pathology</i> , 2019, 111, 104302.	0.9	6
1969	How Early Life Stress Impact Maternal Care: A Systematic Review of Rodent Studies. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 197.	1.0	68
1970	Will the real Dahl S rat please stand up?. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F1231-F1240.	1.3	15
1971	Improving transparency and scientific rigor in academic publishing. <i>Brain and Behavior</i> , 2019, 9, e01141.	1.0	23
1972	Improving transparency and scientific rigor in academic publishing. <i>Journal of Neuroscience Research</i> , 2019, 97, 377-390.	1.3	39
1973	Oleylethanolamide inhibits glial activation via modulating PPAR $\alpha$ and promotes motor function recovery after brain ischemia. <i>Pharmacological Research</i> , 2019, 141, 530-540.	3.1	37
1974	Efficacy and safety of culture-expanded, mesenchymal stem/stromal cells for the treatment of knee osteoarthritis: a systematic review protocol. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 34.	0.9	13
1975	Periodontal disease may induce liver fibrosis in an experimental study on Wistar rats. <i>Journal of Periodontology</i> , 2019, 90, 911-919.	1.7	16
1976	Bone regeneration using three-dimensional hexahedron channel structured BCP block in rabbit calvarial defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 2254-2262.	1.6	8
1977	Pharmacological impact of antiretroviral therapy on platelet function to investigate human immunodeficiency virus-associated cardiovascular risk. <i>British Journal of Pharmacology</i> , 2019, 176, 879-889.	2.7	24
1978	Differential effects of ADHD medications on impulsive action in the mouse 5-choice serial reaction time task. <i>European Journal of Pharmacology</i> , 2019, 847, 123-129.	1.7	11
1979	Systematic Review on Characteristics and Reporting Quality of Animal Studies in Liver Regeneration Triggered by Portal Vein Occlusion and Associating Liver Partition and Portal Vein Ligation for Staged Hepatectomy: Adherence to the ARRIVE Guidelines. <i>Journal of Surgical Research</i> , 2019, 235, 578-590.	0.8	10
1980	Remyelination promoting therapies in multiple sclerosis animal models: a systematic review and meta-analysis. <i>Scientific Reports</i> , 2019, 9, 822.	1.6	46
1981	Expression of endothelin type B receptors in uterine artery smooth muscle cells from pregnant Guinea pigs. <i>Placenta</i> , 2019, 77, 8-15.	0.7	1
1982	Non-canonical Wnt signaling contributes to ventilator-induced lung injury through upregulation of WISP1 expression. <i>International Journal of Molecular Medicine</i> , 2019, 43, 1217-1228.	1.8	4
1983	A novel cyclic biased agonist of the apelin receptor, MM07, is disease modifying in the rat monocrotaline model of pulmonary arterial hypertension. <i>British Journal of Pharmacology</i> , 2019, 176, 1206-1221.	2.7	32
1984	Long-Lasting, Antinociceptive Effects of pH-Sensitive Niosomes Loaded with Ibuprofen in Acute and Chronic Models of Pain. <i>Pharmaceutics</i> , 2019, 11, 62.	2.0	15



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1986	White matter lesions, cerebral inflammation and cognitive function in a mouse model of cerebral hypoperfusion. <i>Brain Research</i> , 2019, 1711, 193-201.	1.1	28
1987	Validation of the xylazine/ketamine anesthesia test as a predictor of the emetic potential of pharmacological compounds in rats. <i>Neuroscience Letters</i> , 2019, 699, 41-46.	1.0	15
1988	Differential Activity of ATR and WEE1 Inhibitors in a Highly Sensitive Subpopulation of DLBCL Linked to Replication Stress. <i>Cancer Research</i> , 2019, 79, 3762-3775.	0.4	56
1989	Reporting preclinical anesthesia study (REPEAT): Evaluating the quality of reporting in the preclinical anesthesiology literature. <i>PLoS ONE</i> , 2019, 14, e0215221.	1.1	7
1990	Influence of reconstruction settings in electrical impedance tomography on figures of merit and physiological parameters. <i>Physiological Measurement</i> , 2019, 40, 094003.	1.2	4
1991	Differential Effects of a Full and Biased Ghrelin Receptor Agonist in a Mouse Kindling Model. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2480.	1.8	9
1992	Effects of nicotine exposure on murine mandibular development. <i>PLoS ONE</i> , 2019, 14, e0218376.	1.1	7
1993	Lazaroid Uâ€74389G in liver ischemiaâ€reperfusion injury: A swine model. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 230-236.	0.8	1
1994	Effect of cannabidiol on endocannabinoid, glutamatergic and GABAergic signalling markers in male offspring of a maternal immune activation (poly I:C) model relevant to schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 95, 109666.	2.5	34
1995	Dim light at night attenuates circadian rhythms in the cardiovascular system and suppresses melatonin in rats. <i>Life Sciences</i> , 2019, 231, 116568.	2.0	39
1996	Neutrophil extracellular trapâ€microparticle complexes trigger neutrophil recruitment via highâ€mobility group protein 1 (<sc>HMGB1</sc>)â€tollâ€like receptors(<sc>TLR2</sc>)/<sc>TLR4</sc> 2.7 signalling. <i>British Journal of Pharmacology</i> , 2019, 176, 3350-3363.	2.7	32
1997	Attenuation of epileptogenesis by 2-deoxy-d-glucose is accompanied by increased cerebral glucose supply, microglial activation and reduced astrocytosis. <i>Neurobiology of Disease</i> , 2019, 130, 104510.	2.1	10
1998	A new mouse model to study the role of ectopic Nanos3 expression in cancer. <i>BMC Cancer</i> , 2019, 19, 598.	1.1	1
1999	Correlation of miRNA expression with intensity of neuropathic pain in man. <i>Molecular Pain</i> , 2019, 15, 174480691986032.	1.0	14
2000	Modulation of Spontaneous and Light-Induced Activity in the Rat Dorsal Lateral Geniculate Nucleus by General Brain State Alterations under Urethane Anesthesia. <i>Neuroscience</i> , 2019, 413, 279-293.	1.1	12
2001	Validation of MRI for Volumetric Quantification of Atelectasis in the Perioperative Period: An Experimental Study in Swine. <i>Frontiers in Physiology</i> , 2019, 10, 695.	1.3	3
2002	Beneficial role of adiposeâ€derived mesenchymal stem cells from microfragmented fat in a murine model of duchenne muscular dystrophy. <i>Muscle and Nerve</i> , 2019, 60, 328-335.	1.0	5

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2003	Regional Behavior of Airspaces During Positive Pressure Reduction Assessed by Synchrotron Radiation Computed Tomography. <i>Frontiers in Physiology</i> , 2019, 10, 719.	1.3	10
2004	Catalyst-free Click PEGylation reveals substantial mitochondrial ATP synthase sub-unit alpha oxidation before and after fertilisation. <i>Redox Biology</i> , 2019, 26, 101258.	3.9	12
2005	Effect of local administration of simvastatin on orthodontic tooth movement in rabbits. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2019, 156, 75-86.	0.8	13
2006	Cerebral hunger maps in rodents and humans by diffusion weighted MRI. <i>Appetite</i> , 2019, 142, 104333.	1.8	5
2007	Inhibition of the Receptor for Advanced Glycation End-Products in Acute Respiratory Distress Syndrome: A Randomised Laboratory Trial in Piglets. <i>Scientific Reports</i> , 2019, 9, 9227.	1.6	24
2008	Validation of the Fetal Lamb Model of Spina Bifida. <i>Scientific Reports</i> , 2019, 9, 9327.	1.6	23
2009	Uterine perivascular adipose tissue is a novel mediator of uterine artery blood flow and reactivity in rat pregnancy. <i>Journal of Physiology</i> , 2019, 597, 3833-3852.	1.3	8
2010	Endotoxin-Induced Emphysema Exacerbation: A Novel Model of Chronic Obstructive Pulmonary Disease Exacerbations Causing Cardiopulmonary Impairment and Diaphragm Dysfunction. <i>Frontiers in Physiology</i> , 2019, 10, 664.	1.3	10
2011	Influence of different isoflurane anesthesia protocols on murine cerebral hemodynamics measured with pseudo-continuous arterial spin labeling. <i>NMR in Biomedicine</i> , 2019, 32, e4105.	1.6	29
2012	Outcome heterogeneity and bias in acute experimental spinal cord injury. <i>Neurology</i> , 2019, 93, e40-e51.	1.5	24
2013	Software for designing rigorous and replicable preclinical research: The Experimental Design Accelerator. <i>Journal of Neuroscience Research</i> , 2019, 97, 1043-1050.	1.3	0
2014	Heterogenising study samples across testing time improves reproducibility of behavioural data. <i>Scientific Reports</i> , 2019, 9, 8247.	1.6	41
2015	Safety and Toxicity Evaluation of Nutraceuticals in Animal Models. , 2019, , 675-684.		2
2016	Structure-activity study of acute neurobehavioral effects of cyclohexane, benzene, m-xylene, and toluene in rats. <i>Toxicology and Applied Pharmacology</i> , 2019, 376, 38-45.	1.3	16
2017	AT1 Receptor Mediated Hypertensive Response to Ang II in the Nucleus Tractus Solitarii of Normotensive Rats Involves NO Dependent Local GABA Release. <i>Frontiers in Pharmacology</i> , 2019, 10, 460.	1.6	11
2018	Dual PPAR $\alpha/\delta$ agonist aleglitazar confers stroke protection in a model of mild focal brain ischemia in mice. <i>Journal of Molecular Medicine</i> , 2019, 97, 1127-1138.	1.7	14
2019	Suppression of NLRP3 inflammasome improves alveolar bone defect healing in diabetic rats. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 167.	0.9	17
2020	Behavior and body surface temperature of beef cattle in integrated crop-livestock systems with or without tree shading. <i>Science of the Total Environment</i> , 2019, 684, 587-596.	3.9	67

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2021	Deficient Skeletal Muscle Regeneration after Injury Induced by a Clostridium perfringens Strain Associated with Gas Gangrene. <i>Infection and Immunity</i> , 2019, 87, .	1.0	11
2022	Using <i>ex Ovo</i> Chick Chorioallantoic Membrane (CAM) Assay To Evaluate the Biocompatibility and Angiogenic Response to Biomaterials. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3190-3200.	2.6	60
2023	Tat-HSP70 protects neurons from oxidative damage in the NSC34 cells and ischemic damage in the ventral horn of rabbit spinal cord. <i>Neurochemistry International</i> , 2019, 129, 104477.	1.9	9
2024	Derivation and maintenance of mouse haploid embryonic stem cells. <i>Nature Protocols</i> , 2019, 14, 1991-2014.	5.5	12
2025	Effects of glycyrrhizin on lipopolysaccharide-induced acute lung injury in a mouse model. <i>Journal of Thoracic Disease</i> , 2019, 11, 1287-1302.	0.6	51
2026	Sheep Gait Biomechanics and the Assessment of Musculoskeletal Conditions: A Systematic Review. <i>Applied Mechanics and Materials</i> , 2019, 890, 248-259.	0.2	0
2027	Productive performance and reproductive characteristics of Morada Nova male lambs fed with high-energy diet. <i>Tropical Animal Health and Production</i> , 2019, 51, 2481-2491.	0.5	8
2028	A randomised controlled trial of an Intervention to Improve Compliance with the ARRIVE guidelines (IICARus). <i>Research Integrity and Peer Review</i> , 2019, 4, 12.	2.2	106
2029	A standardised framework to identify optimal animal models for efficacy assessment in drug development. <i>PLoS ONE</i> , 2019, 14, e0218014.	1.1	42
2030	The Relationship Between Heart Rate and Left Ventricular Isovolumic Relaxation During Normoxia and Hypoxia-Asphyxia in Newborn Piglets. <i>Frontiers in Physiology</i> , 2019, 10, 525.	1.3	4
2031	Effect of cannabidiol on muscarinic neurotransmission in the pre-frontal cortex and hippocampus of the poly I:C rat model of schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 94, 109640.	2.5	12
2032	In Utero Transplantation of Expanded Autologous Amniotic Fluid Stem Cells Results in Long-Term Hematopoietic Engraftment. <i>Stem Cells</i> , 2019, 37, 1176-1188.	1.4	13
2033	Mouse models of neurodegeneration: Know your question, know your mouse. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	51
2034	Animal models of chemotherapy-induced peripheral neuropathy: A machine-assisted systematic review and meta-analysis. <i>PLoS Biology</i> , 2019, 17, e3000243.	2.6	53
2035	Effect of Perioperative Lidocaine, Propofol and Steroids on Pulmonary Metastasis in a Murine Model of Breast Cancer Surgery. <i>Cancers</i> , 2019, 11, 613.	1.7	60
2036	The problem with unadjusted multiple and sequential statistical testing. <i>Nature Communications</i> , 2019, 10, 1921.	5.8	37
2037	An Animal Model of Acute and Chronic Chagas Disease With the Reticulotropic Y Strain of <i>Trypanosoma cruzi</i> That Depicts the Multifunctionality and Dysfunctionality of T Cells. <i>Frontiers in Immunology</i> , 2019, 10, 918.	2.2	32
2038	Reactive Oxygen Species-Responsive Nanoparticles for the Treatment of Ischemic Stroke. <i>Advanced Therapeutics</i> , 2019, 2, 1900038.	1.6	51

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2039	Xenon improves long-term cognitive function, reduces neuronal loss and chronic neuroinflammation, and improves survival after traumatic brain injury in mice. <i>British Journal of Anaesthesia</i> , 2019, 123, 60-73.	1.5	52
2040	Sustained hypoxemia in late gestation potentiates hepatic gluconeogenic gene expression but does not activate glucose production in the ovine fetus. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E1-E10.	1.8	16
2041	Î³Î³ T Cells Modulate Myeloid Cell Recruitment but Not Pain During Peripheral Inflammation. <i>Frontiers in Immunology</i> , 2019, 10, 473.	2.2	13
2042	Effects of ajmaline on contraction patterns of isolated rat gastric antrum and portal vein smooth muscle strips and on neurogenic relaxations of gastric fundus. <i>Pflugers Archiv European Journal of Physiology</i> , 2019, 471, 995-1005.	1.3	2
2043	Intranasal <i>Mycobacterium vaccae</i> administration prevents stress-induced aggravation of dextran sulfate sodium (DSS) colitis. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 595-604.	2.0	20
2044	Improving environmental risk assessments of chemicals: Steps towards evidence-based ecotoxicology. <i>Environment International</i> , 2019, 128, 210-217.	4.8	24
2045	The Role of the IACUC in the Absence of Regulatory Guidance. <i>ILAR Journal</i> , 2019, 60, 95-104.	1.8	7
2046	Effect of Ground Transportation on Adrenocortical Activity in Prepuberal Female Mice from Five Different Genetic Backgrounds. <i>Animals</i> , 2019, 9, 239.	1.0	5
2047	The Î±9Î±10 Nicotinic Acetylcholine Receptor Antagonist Î±O-Conotoxin GeXIVA[1,2] Alleviates and Reverses Chemotherapy-Induced Neuropathic Pain. <i>Marine Drugs</i> , 2019, 17, 265.	2.2	39
2048	Depression- and anxiogenic-like behaviors induced by lipopolysaccharide in mice are reversed by a selenium-containing indolyl compound: Behavioral, neurochemical and computational insights involving the serotonergic system. <i>Journal of Psychiatric Research</i> , 2019, 115, 1-12.	1.5	33
2049	Prevention of Lung Bacterial Colonization With a Leak-Proof Endotracheal Tube Cuff: An Experimental Animal Study. <i>Respiratory Care</i> , 2019, 64, 1031-1041.	0.8	1
2050	The importance of selection and reporting of the sex of experimental animals. <i>Animal Production Science</i> , 2019, 59, 401.	0.6	1
2051	Invited review: Completeness of reporting of experiments: REFLECTing on a year of animal trials in the <i>Journal of Dairy Science</i> . <i>Journal of Dairy Science</i> , 2019, 102, 4759-4771.	1.4	23
2052	Pharmacokinetics of mitragynine, a major analgesic alkaloid in kratom ( <i>Mitragyna speciosa</i> ): A systematic review. <i>Asian Journal of Psychiatry</i> , 2019, 43, 73-82.	0.9	28
2053	Functional changes in low- and high-threshold afferents in obstruction-induced bladder overactivity. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, F1103-F1113.	1.3	7
2054	Marine-Steroid Derivative 5Î±-Androst-3Î², 5Î±, 6Î²-triol Protects Retinal Ganglion Cells from Ischemiaâ€“Reperfusion Injury by Activating Nrf2 Pathway. <i>Marine Drugs</i> , 2019, 17, 267.	2.2	12
2055	Xenon for traumatic brain injury: a noble step forward and a wet blanket. <i>British Journal of Anaesthesia</i> , 2019, 123, 9-11.	1.5	1
2056	Simultaneous inhibition of neprilysin and activation of ACE2 prevented diabetic cardiomyopathy. <i>Pharmacological Reports</i> , 2019, 71, 958-967.	1.5	13

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2057	A Noninvasive Ocular (Tear) Sampling Method for Genetic Ascertainment of Transgenic Mice and Research Ethics Innovation. <i>OMICS A Journal of Integrative Biology</i> , 2019, 23, 312-317.	1.0	3
2058	Sonochemical time standardization for bioactive materials used in periimplantar defects filling. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 437-446.	3.8	10
2059	Structural and diffusion weighted MRI demonstrates responses to ibrutinib in a mouse model of follicular helper (Tfh) T-cell lymphoma. <i>PLoS ONE</i> , 2019, 14, e0215765.	1.1	5
2060	Teriparatide improves alveolar bone modelling after tooth extraction in orchietomized rats. <i>Archives of Oral Biology</i> , 2019, 102, 147-154.	0.8	13
2061	Feasibility of Robotic-Assisted Neurovascular Interventions: Initial Experience in Flow Model and Porcine Model. <i>Neurosurgery</i> , 2020, 86, 309-314.	0.6	39
2062	Systemic oxytocin administration alters mesolimbic dopamine release in mice. <i>Neuroscience</i> , 2019, 408, 226-238.	1.1	18
2063	Hippocampal Damage During Mechanical Ventilation in Trendelenburg Position: A Secondary Analysis of an Experimental Study on the Prevention of Ventilator-Associated Pneumonia. <i>Shock</i> , 2019, 52, 75-82.	1.0	7
2064	Regulation of Nephilysin Activity and Cognitive Functions in Rats After Prenatal Hypoxia. <i>Neurochemical Research</i> , 2019, 44, 1387-1398.	1.6	17
2065	Animal models for research in human infectious diseases. CMI editorial policy. <i>Clinical Microbiology and Infection</i> , 2019, 25, 649-650.	2.8	9
2066	Sevoflurane Promotes Regeneration of the Endothelial Glycocalyx by Upregulating Sialyltransferase. <i>Journal of Surgical Research</i> , 2019, 241, 40-47.	0.8	15
2067	Experiments done in Black-6 mice: what does it mean?. <i>Lab Animal</i> , 2019, 48, 171-180.	0.2	31
2068	Inhibition of experimental visceral pain in rodents by cebranopadol. <i>Behavioural Pharmacology</i> , 2019, 30, 320-326.	0.8	6
2069	Acute canagliflozin treatment protects against in vivo myocardial ischemiaâ€“reperfusion injury in non-diabetic male rats and enhances endothelium-dependent vasorelaxation. <i>Journal of Translational Medicine</i> , 2019, 17, 127.	1.8	88
2070	Laser speckle contrast imaging and quantitative fluorescence angiography for perfusion assessment. <i>Langenbeck's Archives of Surgery</i> , 2019, 404, 505-515.	0.8	33
2072	The influence of deproteinised bovine bone mineral on dimensional changes in the maxillary second incisor socket. <i>Clinical Oral Implants Research</i> , 2019, 30, 670-681.	1.9	2
2073	Implementing strategies to reduce singly housed male mice. <i>Laboratory Animals</i> , 2019, 53, 508-510.	0.5	7
2074	Can Resveratrol Treatment Control the Progression of Induced Periodontal Disease? A Systematic Review and Meta-Analysis of Preclinical Studies. <i>Nutrients</i> , 2019, 11, 953.	1.7	22
2075	Leaf extracts from <i>Dendropanax moribifera</i> L'Ã©veille mitigate mercury-induced reduction of spatial memory, as well as cell proliferation, and neuroblast differentiation in rat dentate gyrus. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 94.	3.7	7

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2076	Experimental Studies for Small Diameter Grafts in an In Vivo Sheep Model—Techniques and Pitfalls. Thoracic and Cardiovascular Surgeon, 2021, 69, 649-659.	0.4	2
2077	Sodium—glucose co—transporter 2 inhibition with empagliflozin improves cardiac function in non—diabetic rats with left ventricular dysfunction after myocardial infarction. European Journal of Heart Failure, 2019, 21, 862-873.	2.9	236
2078	Phosphodiesterase 5 inhibition improves contractile function and restores transverse tubule loss and catecholamine responsiveness in heart failure. Scientific Reports, 2019, 9, 6801.	1.6	34
2079	Protein kinase C-mediated insulin receptor phosphorylation in diabetic rat retina. Graefe's Archive for Clinical and Experimental Ophthalmology, 2019, 257, 1427-1434.	1.0	5
2080	Oral administration of Coenzyme Q10 protects mice against oxidative stress and neuro-inflammation during experimental cerebral malaria. Parasitology International, 2019, 71, 106-120.	0.6	30
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2103	Jaw osteosarcoma models in mice: first description. <i>Journal of Translational Medicine</i> , 2019, 17, 56.	1.8	8
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2121	The Comparative Effect of Nopal and Mucilage in Metabolic Parameters in Rats with a High-Fructose Diet. <i>Journal of Medicinal Food</i> , 2019, 22, 538-541.	0.8	6
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2126	Extent of Inflammation and Foreign Body Reaction to Porous Polyethylene <i>In Vitro</i> and <i>In Vivo</i>. <i>In Vivo</i> , 2019, 33, 337-347.	0.6	10
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2131	Safety and efficacy of a novel anodized abutment on soft tissue healing in Yucatan mini-pigs. <i>Clinical Implant Dentistry and Related Research</i> , 2019, 21, 34-43.	1.6	5
2132	Influence of post-thawing thermal environment on bovine sperm characteristics and in vitro fertility. <i>Andrologia</i> , 2019, 51, e13266.	1.0	6
2133	Heart Transplantation With Donation After Circulatory Death. <i>Circulation: Heart Failure</i> , 2019, 12, e005517.	1.6	33
2134	Preclinical Testing in Translational Animal Models of Prader-Willi Syndrome: Overview and Gap Analysis. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 13, 344-358.	1.8	22
2135	Reporting quality in systematic reviews of <i>in vitro</i> studies: a systematic review. <i>Current Medical Research and Opinion</i> , 2019, 35, 1631-1641.	0.9	17
2136	Radiosensitization of orthotopic GIC-driven glioblastoma by doxycycline causes skin damage. <i>Radiation Oncology</i> , 2019, 14, 58.	1.2	3
2137	Publication reform to safeguard wildlife from researcher harm. <i>PLoS Biology</i> , 2019, 17, e3000193.	2.6	26
2138	Novel CHK1 inhibitor MU380 exhibits significant single-agent activity in TP53-mutated chronic lymphocytic leukemia cells. <i>Haematologica</i> , 2019, 104, 2443-2455.	1.7	23
2139	HGMB1 and RAGE as Essential Components of Ti Osseointegration Process in Mice. <i>Frontiers in Immunology</i> , 2019, 10, 709.	2.2	24
2140	Improving transparency and scientific rigor in academic publishing. <i>Cancer Reports</i> , 2019, 2, e1150.	0.6	5
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2145	Pharmacokinetic and pharmacodynamic actions of clozapine-N-oxide, clozapine, and compound 21 in DREADD-based chemogenetics in mice. <i>Scientific Reports</i> , 2019, 9, 4522.	1.6	181
2146	Bioactivity of Bioceramic Materials Used in the Dentin-Pulp Complex Therapy: A Systematic Review. <i>Materials</i> , 2019, 12, 1015.	1.3	48
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2151	Non-perfusing cardiac rhythms in asphyxiated newborn piglets. <i>PLoS ONE</i> , 2019, 14, e0214506.	1.1	11
2152	Regulation of sirtuin expression in autoimmune neuroinflammation: Induction of SIRT1 in oligodendrocyte progenitor cells. <i>Neuroscience Letters</i> , 2019, 704, 116-125.	1.0	21
2153	FCPR03, a novel phosphodiesterase 4 inhibitor, alleviates cerebral ischemia/reperfusion injury through activation of the AKT/GSK3 $\beta$ / $\beta$ -catenin signaling pathway. <i>Biochemical Pharmacology</i> , 2019, 163, 234-249.	2.0	42
2154	Research in nutritional supplements and nutraceuticals for health, physical activity, and performance: moving forward. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 455-460.	0.9	11
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2156	The impact of bipedal mechanical loading history on longitudinal long bone growth. <i>PLoS ONE</i> , 2019, 14, e0211692.	1.1	7
2157	CRISPR-cas gene-editing as plausible treatment of neuromuscular and nucleotide-repeat-expansion diseases: A systematic review. <i>PLoS ONE</i> , 2019, 14, e0212198.	1.1	25
2158	Priming of Adult Incision Response by Early-Life Injury: Neonatal Microglial Inhibition Has Persistent But Sexually Dimorphic Effects in Adult Rats. <i>Journal of Neuroscience</i> , 2019, 39, 3081-3093.	1.7	62
2159	Burrowing and nest building activity in mice after exposure to grid floor, isoflurane or ip injections. <i>Physiology and Behavior</i> , 2019, 206, 59-66.	1.0	18
2160	Clinical and experimental studies of intraperitoneal lipolysis and the development of clinically relevant pancreatic fistula after pancreatic surgery. <i>British Journal of Surgery</i> , 2019, 106, 616-625.	0.1	14
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2162	Comparative anti-osteoporotic properties of the leaves and roots of <i>Marantodes pumilum</i> var. <i>alata</i> in postmenopausal rat model. <i>Journal of Traditional and Complementary Medicine</i> , 2019, 9, 393-400.	1.5	8
2163	Part I: Minimum Quality Threshold in Preclinical Sepsis Studies (MQTiPSS) for Study Design and Humane Modeling Endpoints. <i>Shock</i> , 2019, 51, 10-22.	1.0	57
2164	Sex still matters: has the prevalence of male-only studies of drug effects on rodent behaviour changed during the past decade?. <i>Behavioural Pharmacology</i> , 2019, 30, 95-99.	0.8	24
2165	Identification and characterization of synthetic chondroitin-4-sulfate binding peptides in neuronal functions. <i>Scientific Reports</i> , 2019, 9, 1064.	1.6	17

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2169	All-trans retinoic acid inhibits lipopolysaccharide-induced inflammatory responses in bovine adipocytes via TGF $\beta$ 1/Smad3 signaling pathway. <i>BMC Veterinary Research</i> , 2019, 15, 48.	0.7	16
2170	Ameliorating gut microenvironment through staphylococcal nuclease-mediated intestinal NETs degradation for prevention of type 1 diabetes in NOD mice. <i>Life Sciences</i> , 2019, 221, 301-310.	2.0	25
2171	Neuroprotective Effect of Swertiamain on Cerebral Ischemia/Reperfusion Injury by Inducing the Nrf2 Protective Pathway. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2276-2286.	1.7	47
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2173	Nonviral ultrasound-mediated gene delivery in small and large animal models. <i>Nature Protocols</i> , 2019, 14, 1015-1026.	5.5	39
2174	Subclinical dose of bone morphogenetic protein $\beta$ 2 does not precipitate rampant, sustained inflammatory response in bone wound healing. <i>Wound Repair and Regeneration</i> , 2019, 27, 335-344.	1.5	7
2175	The impact of anxiety on chronic musculoskeletal pain and the role of astrocyte activation. <i>Pain</i> , 2019, 160, 658-669.	2.0	36
2176	Evaluation of synthetic reticular hybrid meshes designed for intraperitoneal abdominal wall repair: Preclinical and in vitro behavior. <i>PLoS ONE</i> , 2019, 14, e0213005.	1.1	10
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2180	Acute toxicity and antiproliferative and procoagulant activities of fractions derived from Thymus satureioides of the Moroccan High Atlas. <i>South African Journal of Botany</i> , 2019, 121, 568-576.	1.2	12
2181	Concurrent neprilysin inhibition and renin-angiotensin system modulations prevented diabetic nephropathy. <i>Life Sciences</i> , 2019, 221, 159-167.	2.0	32
2182	Contractile Effects of Serotonin (5-HT) in the Rat Cauda Epididymis: Expression and Functional Characterization of 5-HT Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 369, 98-106.	1.3	7
2183	Micro- and Macroenvironmental Conditions and Stability of Terrestrial Models. <i>ILAR Journal</i> , 2019, 60, 120-140.	1.8	6

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2185	Genetic Background and Sex: Impact on Generalizability of Research Findings in Pharmacology Studies. <i>Handbook of Experimental Pharmacology</i> , 2019, 257, 147-162.	0.9	8
2186	Improving Replicability, Reproducibility, And Reliability In Preclinical Research: A Shared Responsibility. <i>ILAR Journal</i> , 2019, 60, 113-119.	1.8	5
2187	The impact of the systemic inflammatory response on hepatic bacterial elimination in experimental abdominal sepsis. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 52.	0.9	4
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2191	Responsible Science and Research Animal Use. <i>ILAR Journal</i> , 2019, 60, 1-4.	1.8	6
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2193	Heat shock protein 70 increases cell proliferation, neuroblast differentiation, and the phosphorylation of CREB in the hippocampus. <i>Laboratory Animal Research</i> , 2019, 35, 21.	1.1	12
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2196	Orexin A as a modulator of dorsal lateral geniculate neuronal activity: a comprehensive electrophysiological study on adult rats. <i>Scientific Reports</i> , 2019, 9, 16729.	1.6	9
2197	The Role of the Three Rs in Improving the Planning and Reproducibility of Animal Experiments. <i>Animals</i> , 2019, 9, 975.	1.0	19
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2200	The Role of IACUCs in Responsible Animal Research. <i>ILAR Journal</i> , 2019, 60, 43-49.	1.8	18
2201	Lentivirus Exposure before and after Fetus Implantation: Materno-Fetal Development in Rats with Gestational Diabetes Mellitus. <i>Nutrients</i> , 2019, 11, 2720.	1.7	13



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2204	CIBER-CLAP (CIBERCV Cardioprotection Large Animal Platform): A multicenter preclinical network for testing reproducibility in cardiovascular interventions. <i>Scientific Reports</i> , 2019, 9, 20290.	1.6	15
2207	Azithromycin Affords Neuroprotection in Rat Undergone Transient Focal Cerebral Ischemia. <i>Frontiers in Neuroscience</i> , 2019, 13, 1256.	1.4	15
2208	Companion Animals as Models for Inhibition of STAT3 and STAT5. <i>Cancers</i> , 2019, 11, 2035.	1.7	3
2209	Plant Extracts in the Bone Repair Process: A Systematic Review. <i>Mediators of Inflammation</i> , 2019, 2019, 1-22.	1.4	16
2210	Stress-induced changes in group behaviour. <i>Scientific Reports</i> , 2019, 9, 17200.	1.6	26
2211	Reproducibility and Rigor in Animal-Based Research. <i>ILAR Journal</i> , 2019, 60, 17-23.	1.8	66
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2215	The effects of aging on hydromorphone-induced thermal antinociception in healthy female cats. <i>Pain Reports</i> , 2019, 4, e722.	1.4	6
2216	<p>Effects of Azelnidipine-Carboxymethylcellulose Gel on Healing of Full-Thickness Skin Wounds in Streptozotocin Induced Diabetic Rats</p>. <i>Veterinary Medicine: Research and Reports</i> , 2019, Volume 10, 215-222.	0.4	0
2217	Decreases in Circulating Concentrations of Long-Chain Acylcarnitines and Free Fatty Acids During the Glucose Tolerance Test Represent Tissue-Specific Insulin Sensitivity. <i>Frontiers in Endocrinology</i> , 2019, 10, 870.	1.5	23
2218	How Can Systematic Reviews Teach Us More about the Implementation of the 3Rs and Animal Welfare?. <i>Animals</i> , 2019, 9, 1163.	1.0	16
2219	Prevention of Nerve Root Thermal Injury Caused by Bipolar Cauterization Near the Nerve Roots. <i>Spine</i> , 2019, 44, E321-E328.	1.0	10
2220	Maternal Noninfectious Fever Enhances Cell Proliferation and Microglial Activation in the Neonatal Rat Dentate Gyrus. <i>Anesthesia and Analgesia</i> , 2019, 128, 1190-1198.	1.1	5
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2223	VGF: a biomarker and potential target for the treatment of neuropathic pain?. <i>Pain Reports</i> , 2019, 4, e786.	1.4	10
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2226	Incomplete structural reverse remodeling from late-stage left ventricular hypertrophy impedes the recovery of diastolic but not systolic dysfunction in rats. <i>Journal of Hypertension</i> , 2019, 37, 1200-1212.	0.3	9
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2235	JBJS Will Require Adherence to ARRIVE Guidelines for Animal Research to Reduce Bias and Improve Quality of Reporting. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 1891-1893.	1.4	3
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2249	The dependence of brain mitochondria reactive oxygen species production on oxygen level is linear, except when inhibited by antimycin A. <i>Journal of Neurochemistry</i> , 2019, 148, 731-745.	2.1	27
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2257	Subchronic ketamine alters behaviour, metabolic indices and brain morphology in adolescent rats: Involvement of oxidative stress, glutamate toxicity and caspase-3-mediated apoptosis. <i>Journal of Chemical Neuroanatomy</i> , 2019, 96, 22-33.	1.0	37

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2313	A systematic review of simulated laryngotracheal reconstruction animal models. <i>Laryngoscope</i> , 2019, 129, 235-243.	1.1	12
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2345	Ultrasomics for Early Evaluation of the Tumor Response to MicroRNA-122 in a Nude Mouse Hepatocellular Carcinoma Model. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 61-71.	0.8	2
2346	Altered gut microbiota ameliorates bone pathology in the mandible of obese insulin-resistant rats. <i>European Journal of Nutrition</i> , 2020, 59, 1453-1462.	1.8	18
2347	Stem cell therapy for preventing neonatal diseases in the 21st century: Current understanding and challenges. <i>Pediatric Research</i> , 2020, 87, 265-276.	1.1	46

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2351	Carbon monoxide improves haemodynamics during extracorporeal resuscitation in pigs. <i>Cardiovascular Research</i> , 2020, 116, 158-170.	1.8	8
2352	<i>In vitro</i> and <i>in vivo</i> assessment of CaP materials for bone regenerative therapy. The role of multinucleated giant cells/osteoclasts in bone regeneration. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 282-297.	1.6	5
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2359	Gene expression signatures of site-specificity in cancer metastases. <i>Clinical and Experimental Metastasis</i> , 2020, 37, 159-171.	1.7	6
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2361	Use of Zebrafish in Drug Discovery Toxicology. <i>Chemical Research in Toxicology</i> , 2020, 33, 95-118.	1.7	315
2362	Fraser extracellular matrix complex subunit 1 promotes liver metastasis of gastric cancer. <i>International Journal of Cancer</i> , 2020, 146, 2865-2876.	2.3	18
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2367	Determining sample size adequacy for animal model studies in nutrition research: limits and ethical challenges of ordinary power calculation procedures. <i>International Journal of Food Sciences and Nutrition</i> , 2020, 71, 256-264.	1.3	9
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2373	Experimental Aneurysmal Subarachnoid Hemorrhage: Tiding Over. <i>Translational Stroke Research</i> , 2020, 11, 1-3.	2.3	16
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2378	The effect of live and inert feed treatment with lactobacilli on weaning success in intensively reared pike-perch larvae. <i>Aquaculture</i> , 2020, 516, 734608.	1.7	14
2379	Finite element analysis of the rotator cuff: A systematic review. <i>Clinical Biomechanics</i> , 2020, 71, 73-85.	0.5	2
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2410	Aglycone-rich extracts from citrus by-products induced endothelium-independent relaxation in isolated arteries. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101481.	1.5	4
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2421	Primary pulmonary arterial hypertension: Protocol to assess comprehensively in the rat the response to pharmacologic treatments. <i>MethodsX</i> , 2020, 7, 100771.	0.7	1
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2433	Metabotropic glutamate receptor subtype 7 controls maternal care, maternal motivation and maternal aggression in mice. <i>Genes, Brain and Behavior</i> , 2020, 19, e12627.	1.1	3
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2436	Comparative study on the effects of salinomycin, monensin and meso-2,3-dimercaptosuccinic acid on the concentrations of lead, calcium, copper, iron and zinc in lungs and heart in lead-exposed mice. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 58, 126429.	1.5	8
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2443	Endothelial Cell-Specific Transcriptome Reveals Signature of Chronic Stress Related to Worse Outcome After Mild Transient Brain Ischemia in Mice. <i>Molecular Neurobiology</i> , 2020, 57, 1446-1458.	1.9	5
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2445	Hernia Repair Strength Enhanced With Antioxidants. <i>Journal of Surgical Research</i> , 2020, 247, 144-149.	0.8	0
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2457	Regional Differences in Penetration of the Protein Stabilizer Trimethoprim (TMP) in the Rat Central Nervous System. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 167.	1.4	2
2458	Pulmonary Deposition of Radionucleotide-Labeled Palivizumab: Proof-of-Concept Study. <i>Frontiers in Pharmacology</i> , 2020, 11, 1291.	1.6	8
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2461	Continuing surgical education of non-technical skills. <i>Annals of Medicine and Surgery</i> , 2020, 58, 177-186.	0.5	4
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2463	Autogenous bone ring for vertical bone augmentation procedure with simultaneous implant placement: A systematic review of histologic and histomorphometric outcomes in animal studies. <i>Journal of Prosthetic Dentistry</i> , 2020, 126, 626-635.	1.1	4
2464	Sustained inflation with 21% versus 100% oxygen during cardiopulmonary resuscitation of asphyxiated newborn piglets - A randomized controlled animal study. <i>Resuscitation</i> , 2020, 155, 39-47.	1.3	10
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2466	Effects of endothelin receptor blockade and COX inhibition on intestinal I/R injury in a rat model: Experimental research. <i>International Journal of Surgery</i> , 2020, 83, 89-97.	1.1	8
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2469	Heparan sulfate controls skeletal muscle differentiation and motor functions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129707.	1.1	6
2470	Targeted interleukin-10 plasmid DNA therapy in the treatment of osteoarthritis: Toxicology and pain efficacy assessments. <i>Brain, Behavior, and Immunity</i> , 2020, 90, 155-166.	2.0	42
2471	Memory and dendritic spines loss, and dynamic dendritic spines changes are age-dependent in the rat. <i>Journal of Chemical Neuroanatomy</i> , 2020, 110, 101858.	1.0	9
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2473	Guidelines for reporting randomized controlled trials in paediatric dentistry based on the CONSORT statement. <i>International Journal of Paediatric Dentistry</i> , 2020, 31, 38-55.	1.0	13

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2475	Peripheral blood-derived monocytes show neuronal properties and integration in immune-deficient rd1 mouse model upon phenotypic differentiation and induction with retinal growth factors. <i>Stem Cell Research and Therapy</i> , 2020, 11, 412.	2.4	5
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2479	Study logistics that can impact medical countermeasure efficacy testing in mouse models of radiation injury. <i>International Journal of Radiation Biology</i> , 2021, 97, S151-S167.	1.0	13
2480	Neonatal morphine exposure and maternal deprivation alter nociceptive response and central biomarkers <sup>TM</sup> levels throughout the life of rats. <i>Neuroscience Letters</i> , 2020, 738, 135350.	1.0	2
2481	<i>Zingiber officinale</i> Roscoe rhizome extract alleviates neuropathic pain by inhibiting neuroinflammation in mice. <i>Phytomedicine</i> , 2020, 78, 153307.	2.3	36
2482	MTOR suppresses autophagy-mediated production of IL25 in allergic airway inflammation. <i>Thorax</i> , 2020, 75, 1047-1057.	2.7	18
2483	Effects of Quercetin on Cardiac Function in Pressure Overload and Postischemic Cardiac Injury in Rodents: a Systematic Review and Meta-Analysis. <i>Cardiovascular Drugs and Therapy</i> , 2020, , 1.	1.3	8
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2488	Genome-wide analysis revealed the virulence attenuation mechanism of the fish-derived oral attenuated <i>Streptococcus iniae</i> vaccine strain YM011. <i>Fish and Shellfish Immunology</i> , 2020, 106, 546-554.	1.6	4
2489	An acute estrogen receptor agonist enhances protective effects of cardioplegia in hearts from aging male and female mice. <i>Experimental Gerontology</i> , 2020, 141, 111093.	1.2	4
2490	<i>Suaeda vermiculata</i> Aqueous-Ethanol Extract-Based Mitigation of CCl4-Induced Hepatotoxicity in Rats, and HepG-2 and HepG-2/ADR Cell-Lines-Based Cytotoxicity Evaluations. <i>Plants</i> , 2020, 9, 1291.	1.6	23
2491	Magnetic resonance imaging in multiple sclerosis animal models: A systematic review, meta-analysis, and white paper. <i>NeuroImage: Clinical</i> , 2020, 28, 102371.	1.4	6

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2493	Assessment of antidiabetic potential and phytochemical profiling of <i>Rhazya stricta</i> root extracts. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 293.	1.2	11
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2500	Longitudinal multiparametric MRI study of hydrogen-enriched water with minocycline combination therapy in experimental ischemic stroke in rats. <i>Brain Research</i> , 2020, 1748, 147122.	1.1	5
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2502	Niclosamide attenuates lung vascular remodeling in experimental pulmonary arterial hypertension. <i>European Journal of Pharmacology</i> , 2020, 887, 173438.	1.7	9
2503	Novel brain permeant mTORC1/2 inhibitors are as efficacious as rapamycin or everolimus in mouse models of acquired partial epilepsy and tuberous sclerosis complex. <i>Neuropharmacology</i> , 2020, 180, 108297.	2.0	23
2504	Perinatal exposure to FireMaster® 550 (FM550), brominated or organophosphate flame retardants produces sex and compound specific effects on adult Wistar rat socioemotional behavior. <i>Hormones and Behavior</i> , 2020, 126, 104853.	1.0	20
2505	Effect of a natural supplement containing glucosinolates, phytosterols and citrus flavonoids on body weight and metabolic parameters in a menopausal murine model induced by bilateral ovariectomy. <i>Gynecological Endocrinology</i> , 2020, 36, 1106-1111.	0.7	4
2506	Principal component analysis, a useful tool to study cyclin-dependent kinase-inhibitor's effect on cerebral ischaemia. <i>Brain Communications</i> , 2020, 2, fcaa136.	1.5	2
2507	A systematic evaluation on reporting quality of modern studies on pulmonary heart valve implantation in large animals. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020, 31, 437-445.	0.5	1
2508	Disruption of the sodium-dependent citrate transporter SLC13A5 in mice causes alterations in brain citrate levels and neuronal network excitability in the hippocampus. <i>Neurobiology of Disease</i> , 2020, 143, 105018.	2.1	30
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2511	In Defense of P Values. <i>JNCI Cancer Spectrum</i> , 2020, 4, pkaa012.	1.4	3
2512	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>BMC Veterinary Research</i> , 2020, 16, 242.	0.7	136
2513	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>PLoS Biology</i> , 2020, 18, e3000410.	2.6	2,209
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2517	The ARRIVE guidelines 2.0: updated guidelines for reporting animal research. <i>Journal of Physiology</i> , 2020, 598, 3793-3801.	1.3	177
2518	Quality and validity of large animal experiments in stroke: A systematic review. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2152-2164.	2.4	11
2519	Simulated model of RAPID concept: highlighting innate inflammation and liver regeneration. <i>BJS Open</i> , 2020, 4, 893-903.	0.7	3
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2522	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research*. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1769-1777.	2.4	546
2523	M3, a 1,4-Dihydropyridine Derivative and Mixed L-/T-Type Calcium Channel Blocker, Attenuates Isoproterenol-Induced Toxicity in Male Wistar Rats. <i>Cardiovascular Toxicology</i> , 2020, 20, 627-640.	1.1	3
2524	Oral administration of thiol-reducing agents mitigates gut barrier disintegrity and bacterial lipopolysaccharide translocation in a rat model of biliary obstruction. <i>Current Research in Pharmacology and Drug Discovery</i> , 2020, 1, 10-18.	1.7	21
2525	Spiny lobster sounds can be detectable over kilometres underwater. <i>Scientific Reports</i> , 2020, 10, 7943.	1.6	15
2526	Statistical analysis of longitudinal data on tumour growth in mice experiments. <i>Scientific Reports</i> , 2020, 10, 9143.	1.6	8
2527	Repeated administration of a flavonoidâ€based formulated extract from citrus peels significantly reduces peripheral inflammationâ€induced pain in the rat. <i>Food Science and Nutrition</i> , 2020, 8, 3173-3180.	1.5	7



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2530	Adipose-derived stromal vascular fraction prevent bone bridge formation on growth plate injury in rat (in vivo studies) an experimental research. <i>Annals of Medicine and Surgery</i> , 2020, 60, 211-217.	0.5	6
2531	Low-Dose Activated Protein C Suppresses the Development of Cerebral Infarction and Neurological Deficits in Mice. <i>Neurosurgery Open</i> , 2020, 1, .	0.7	0
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2534	Comparing distress of mouse models for liver damage. <i>Scientific Reports</i> , 2020, 10, 19814.	1.6	14
2535	Cell-specific activation of RIPK1 and MLKL after intracerebral hemorrhage in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1623-1633.	2.4	16
2536	Postweaning Grouping as a Strategy to Reduce Singly Housed Male Mice. <i>Animals</i> , 2020, 10, 2135.	1.0	4
2537	In vitro and in vivo pharmacological activity of minor cannabinoids isolated from <i>Cannabis sativa</i> . <i>Scientific Reports</i> , 2020, 10, 20405.	1.6	92
2538	The in vitro and in vivo wound-healing effects of royal jelly derived from <i>Apis mellifera</i> L. during blossom seasons of <i>Castanea mollissima</i> Bl. and <i>Brassica napus</i> L. in South China exhibited distinct patterns. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 357.	1.2	18
2539	Experimental Models to Study Autism Spectrum Disorders: hiPSCs, Rodents and Zebrafish. <i>Genes</i> , 2020, 11, 1376.	1.0	18
2540	Editorâ€™s Spotlight/Take 5: Are the Lives of Animals Well-spent in Laboratory Science Research? A Study of Orthopaedic Animal Studies in Turkey. <i>Clinical Orthopaedics and Related Research</i> , 2020, 478, 1961-1964.	0.7	4
2541	A novel G proteinâ€biased agonist at the $\mu$ opioid receptor induces substantial receptor desensitisation through G proteinâ€coupled receptor kinase. <i>British Journal of Pharmacology</i> , 2020, , .	2.7	7
2542	Xenon treatment after severe traumatic brain injury improves locomotor outcome, reduces acute neuronal loss and enhances early beneficial neuroinflammation: a randomized, blinded, controlled animal study. <i>Critical Care</i> , 2020, 24, 667.	2.5	16
2543	The reporting quality of randomized controlled trials and experimental animal studies for urethroplasty. <i>World Journal of Urology</i> , 2020, 39, 2677-2683.	1.2	4
2544	Influence of oxidative stress on vascular calcification in the setting of coexisting chronic kidney disease and diabetes mellitus. <i>Scientific Reports</i> , 2020, 10, 20708.	1.6	9
2545	Association of hyaluronic acid with a deproteinized bovine graft improves bone repair and increases bone formation in criticalâ€size bone defects. <i>Journal of Periodontology</i> , 2021, 92, 1646-1658.	1.7	15

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2548	No Effect of Long-Term Risedronate Use on Cartilage and Subchondral Bone in an Experimental Rabbit Model of Osteoarthritis. <i>Frontiers in Veterinary Science</i> , 2020, 7, 576212.	0.9	6
2549	Role of endothelial nitric oxide synthase for early brain injury after subarachnoid hemorrhage in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1669-1681.	2.4	28
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2551	Lumbar Epidural: Anatomical and Clinical Study in Dogs Submitted to Ovariohysterectomy. <i>Frontiers in Veterinary Science</i> , 2020, 7, 527812.	0.9	9
2552	Collagenated Synthetic Bone Substitute Material for Sinus Floor Elevation at Sites with a Perforated Schneiderian Membrane. <i>Journal of Clinical Medicine</i> , 2020, 9, 3764.	1.0	9
2553	Evolving applications of the egg: chorioallantoic membrane assay and <i>ex vivo</i> organotypic culture of materials for bone tissue engineering. <i>Journal of Tissue Engineering</i> , 2020, 11, 204173142094273.	2.3	19
2554	Comparing quality of reporting between preprints and peer-reviewed articles in the biomedical literature. <i>Research Integrity and Peer Review</i> , 2020, 5, 16.	2.2	68
2555	EP300 knockdown reduces cancer stem cell phenotype, tumor growth and metastasis in triple negative breast cancer. <i>BMC Cancer</i> , 2020, 20, 1076.	1.1	25
2556	Imbalance of Endocannabinoid/Lysophosphatidylinositol Receptors Marks the Severity of Alzheimerâ€™s Disease in a Preclinical Model: A Therapeutic Opportunity. <i>Biology</i> , 2020, 9, 377.	1.3	21
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2558	Heart Transplantation From Brain Dead Donors: A Systematic Review of Animal Models. <i>Transplantation</i> , 2020, 104, 2272-2289.	0.5	7
2559	On the Organization of the Locomotor CPG: Insights From Split-Belt Locomotion and Mathematical Modeling. <i>Frontiers in Neuroscience</i> , 2020, 14, 598888.	1.4	10
2560	Are Turkeys ( <i>Meleagris gallopavo</i> ) Motivated to Avoid Excreta-Soiled Substrate?. <i>Animals</i> , 2020, 10, 2015.	1.0	4
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2562	Characterization of immune responses and the lung transcriptome in a murine model of IL-33 challenge. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165950.	1.8	3
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2565	Longitudinal Strain Reflects Ventriculoarterial Coupling Rather Than Mere Contractility in Rat Models of Hemodynamic Overload—Induced Heart Failure. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 1264-1275.e4.	1.2	21
2566	Low-Frequency (20 kHz) Ultrasonic Modulation of Drug Action. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 3017-3031.	0.7	6
2567	Guidelines for planning and conducting high-quality research and testing on animals. <i>Laboratory Animal Research</i> , 2020, 36, 21.	1.1	30
2568	Levelling the Translational Gap for Animal to Human Efficacy Data. <i>Animals</i> , 2020, 10, 1199.	1.0	49
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2570	Discovery of a Highly Selective Sigma-2 Receptor Ligand, 1-(4-(6,7-Dimethoxy-3,4-dihydroisoquinolin-2(1H)-yl)butyl)-3-methyl-1H-benzo[d]imidazol-2(3H)-one (CM398), with Drug-Like Properties and Antinociceptive Effects In Vivo. <i>AAPS Journal</i> , 2020, 22, 94.	2.2	33
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2574	The Effects of Palm Oil on Plasma and Serum Lipid Parameters: A Systematic Review on Animal Intervention Studies. <i>Frontiers in Veterinary Science</i> , 2020, 7, 303.	0.9	4
2575	Welfare Impact of Carbon Dioxide Euthanasia on Laboratory Mice and Rats: A Systematic Review. <i>Frontiers in Veterinary Science</i> , 2020, 7, 411.	0.9	18
2576	Liquid biopsy by NGS: Differential presence of exons (DPE) is related to metastatic potential in a colon-cancer model in the rat. <i>Translational Oncology</i> , 2020, 13, 100837.	1.7	2
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2584	Peripheral soluble epoxide hydrolase inhibition reduces hypernociception and inflammation in albumin-induced arthritis in temporomandibular joint of rats. <i>International Immunopharmacology</i> , 2020, 87, 106841.	1.7	16
2585	The design and implementation of restraint devices for the injection of pathogenic microorganisms into <i>Galleria mellonella</i> . <i>PLoS ONE</i> , 2020, 15, e0230767.	1.1	9
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2588	Behavioural aspects of the spotty bobtail squid <i>Euprymna parva</i> (Cephalopoda: Sepiolidae). <i>Journal of Experimental Marine Biology and Ecology</i> , 2020, 530-531, 151442.	0.7	6
2589	Neural defects caused by total and Wnt1-Cre mediated ablation of p120ctn in mice. <i>BMC Developmental Biology</i> , 2020, 20, 17.	2.1	7
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2591	Biomechanical, histologic, and molecular characteristics of graft-tunnel healing in a murine modified ACL reconstruction model. <i>Journal of Orthopaedic Translation</i> , 2020, 24, 103-111.	1.9	9
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2596	The impact of bone cancer on the peripheral encoding of mechanical pressure stimuli. <i>Pain</i> , 2020, 161, 1894-1905.	2.0	13
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2598	Ethyl Pyruvate Reduces Systemic Leukocyte Activation via Caspase-1 and NF- $\kappa$ B After Blunt Chest Trauma and Haemorrhagic Shock. <i>Frontiers in Medicine</i> , 2020, 7, 562904.	1.2	5
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2619	Heteromer formation between cannabinoid type 1 and dopamine type 2 receptors is altered by combination cannabinoid and antipsychotic treatments. <i>Journal of Neuroscience Research</i> , 2020, 98, 2496-2509.	1.3	11
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2621	What Constitutes an Explanation in Biology?. , 2020, , 21-35.		2
2622	What Is Biological Knowledge?. , 2020, , 36-54.		1
2623	What Is the Nature of Theories and Models in Biology?. , 2020, , 55-78.		1
2624	How Are Biology Concepts Used and Transformed?. , 2020, , 79-101.		6
2625	How Do Concepts Contribute to Scientific Advancement?. , 2020, , 123-145.		1
2626	How Can Conceptual Analysis Contribute to Scientific Practice?. , 2020, , 146-167.		2
2627	What Methods Do Life Scientists Use?. , 2020, , 168-192.		0
2628	Is It Possible to Scientifically Reconstruct the History of Life on Earth?. , 2020, , 193-215.		18
2629	What Is the Basis of Biological Classification?. , 2020, , 216-234.		1
2630	What Is the Nature of Scientific Controversies in the Biological Sciences?. , 2020, , 235-254.		1
2631	What Is the Relation between Facts and Values in Biological Science?. , 2020, , 255-274.		1
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2638	Characterization of kindled VGAT $\epsilon$ Cre mice as a new animal model of temporal lobe epilepsy. <i>Epilepsia</i> , 2020, 61, 2277-2288.	2.6	4
2639	Cathelicidin and Calprotectin Are Disparately Altered in Murine Models of Inflammatory Arthritis and Airway Inflammation. <i>Frontiers in Immunology</i> , 2020, 11, 1932.	2.2	7
2640	Polysialic Acid Modified Liposomes for Improving Pharmacokinetics and Overcoming Accelerated Blood Clearance Phenomenon. <i>Coatings</i> , 2020, 10, 834.	1.2	5
2641	The Phytochemical Constituents and Pharmacological Activities of <i>Annona atemoya</i> : A Systematic Review. <i>Pharmaceuticals</i> , 2020, 13, 269.	1.7	6
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2646	A non-opioid analgesic implant for sustained post-operative intraperitoneal delivery of lidocaine, characterized using an ovine model. <i>Biomaterials</i> , 2020, 263, 120409.	5.7	10
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2776	Rhythmic light flicker rescues hippocampal low gamma and protects ischemic neurons by enhancing presynaptic plasticity. <i>Nature Communications</i> , 2020, 11, 3012.	5.8	56
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2784	Roles of Prokineticin 2 in Subarachnoid Hemorrhage-Induced Early Brain Injury via Regulation of Phenotype Polarization in Astrocytes. <i>Molecular Neurobiology</i> , 2020, 57, 3744-3758.	1.9	27
2785	Defining immune correlates during latent and active chlamydial infection in sheep. <i>Veterinary Research</i> , 2020, 51, 75.	1.1	9
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2788	Upregulated PKM2 in Macrophages Exacerbates Experimental Arthritis via STAT1 Signaling. <i>Journal of Immunology</i> , 2020, 205, 181-192.	0.4	24
2789	In Vivo and In Vitro Models of Diabetes: A Focus on Pregnancy. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1307, 553-576.	0.8	11
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2791	Effects of Heating-needle Stimulation in Restoration of Weakened Descending Inhibition of Nociception in a Rat Model of Parkinson's Disease. <i>Neuroscience</i> , 2020, 440, 249-266.	1.1	1
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2933	Acoustic behaviour of male European lobsters ( <i>Homarus gammarus</i> ) during agonistic encounters. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	8
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2938	Calpain-1 ablation partially rescues disease-associated hallmarks in models of Machado-Joseph disease. <i>Human Molecular Genetics</i> , 2020, 29, 892-906.	1.4	15
2939	Sex as a Biological Variable: A 5-Year Progress Report and Call to Action. <i>Journal of Women's Health</i> , 2020, 29, 858-864.	1.5	202
2940	Horses Failed to Learn from Humans by Observation. <i>Animals</i> , 2020, 10, 221.	1.0	4
2941	Gastrointestinal Tracking and Gastric Emptying of Coated Capsules in Rats with or without Sedation Using CT imaging. <i>Pharmaceutics</i> , 2020, 12, 81.	2.0	20
2942	Novel complementary antitumour effects of celastrol and metformin by targeting $\beta$ , apoptosis and NLRP3 inflammasome activation in diethylnitrosamine-induced murine hepatocarcinogenesis. <i>Cancer Chemotherapy and Pharmacology</i> , 2020, 85, 331-343.	1.1	42
2943	Magnesium and vitamin C supplementation attenuates steroid-associated osteonecrosis in a rat model. <i>Biomaterials</i> , 2020, 238, 119828.	5.7	61
2944	<i>In vitro</i> and <i>in vivo</i> anti-diabetic activity of <i>Citrullus colocynthis</i> pulpy flesh with seeds hydro-ethanolic extract. <i>Journal of Complementary and Integrative Medicine</i> , 2020, 17, .	0.4	14
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2948	Acute and sub-acute toxicity of <i>Echinops kebericho</i> decoction in rats. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 2.	1.2	22
2949	Improving Delineation of True Tumor Volume With Multimodal MRI in a Rat Model of Brain Metastasis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 1028-1038.	0.4	8
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2956	Zinc transporter 3 modulates cell proliferation and neuronal differentiation in the adult hippocampus. <i>Stem Cells</i> , 2020, 38, 994-1006.	1.4	22
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2958	The Effect of Size, Maturation, Global Asphyxia, Cerebral Ischemia, and Therapeutic Hypothermia on the Pharmacokinetics of High-Dose Recombinant Erythropoietin in Fetal Sheep. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3042.	1.8	5
2959	Poloxamer micellar system for intra-articular injection of 15-deoxy- $\Delta^{12,14}$ -prostaglandin J2 with improved bioavailability and anti-inflammatory properties in the temporomandibular joint of rats. <i>International Journal of Pharmaceutics</i> , 2020, 583, 119383.	2.6	11
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2961	Effects of delayed intraventricular TLR7 agonist administration on long-term neurological outcome following asphyxia in the preterm fetal sheep. <i>Scientific Reports</i> , 2020, 10, 6904.	1.6	2
2962	Neuroprotective and anti-inflammatory activity of DAT inhibitor R-phenylpiracetam in experimental models of inflammation in male mice. <i>Inflammopharmacology</i> , 2020, 28, 1283-1292.	1.9	8
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2965	A biobank of small cell lung cancer CDX models elucidates inter- and intratumoral phenotypic heterogeneity. <i>Nature Cancer</i> , 2020, 1, 437-451.	5.7	103
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2967	Effects of Prenatal Exposure to a Mixture of Organophosphate Flame Retardants on Placental Gene Expression and Serotonergic Innervation in the Fetal Rat Brain. <i>Toxicological Sciences</i> , 2020, 176, 203-223.	1.4	37
2968	Ribosome-associated vesicles: A dynamic subcompartment of the endoplasmic reticulum in secretory cells. <i>Science Advances</i> , 2020, 6, eaay9572.	4.7	42
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2976	Compression-induced senescence of nucleus pulposus cells by promoting mitophagy activation via the PINK1/PARKIN pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 5850-5864.	1.6	26
2977	Application of Zebrafish Model in the Suppression of Drug-Induced Cardiac Hypertrophy by Traditional Indian Medicine Yogendra Ras. <i>Biomolecules</i> , 2020, 10, 600.	1.8	9
2978	Characterisation of the static offset in the travelling wave in the cochlear basal turn. <i>Pflügers Archiv European Journal of Physiology</i> , 2020, 472, 625-635.	1.3	8
2979	Perinatal selective serotonin reuptake inhibitor exposure and behavioral outcomes: A systematic review and meta-analyses of animal studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 114, 53-69.	2.9	27
2980	Novel airway smooth muscle-mast cell interactions and a role for the TRPV4-ATP axis in non-atopic asthma. <i>European Respiratory Journal</i> , 2020, 56, 1901458.	3.1	34
2981	Acquired Immunity Is Not Essential for Radiation-Induced Heart Dysfunction but Exerts a Complex Impact on Injury. <i>Cancers</i> , 2020, 12, 983.	1.7	6

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2983	Acrosome and chromatin integrity, oxidative stress, and expression of apoptosis-related genes in cryopreserved mouse epididymal spermatozoa treated with L-Carnitine. <i>Cryobiology</i> , 2020, 95, 171-176.	0.3	14
2984	Experimenters or Amateurs?. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 60, 253.	0.8	3
2985	Supplemental taurine during adolescence and early adulthood has sex-specific effects on cognition, behavior and neurotransmitter levels in C57BL/6J mice dependent on exposure window. <i>Neurotoxicology and Teratology</i> , 2020, 79, 106883.	1.2	10
2986	Reduced efficacy of ivermectin and moxidectin against <i>Parascaris</i> spp. in foals from Argentina. <i>Veterinary Parasitology: Regional Studies and Reports</i> , 2020, 20, 100388.	0.3	8
2987	Treatment for beta-blocker poisoning: a systematic review. <i>Clinical Toxicology</i> , 2020, 58, 943-983.	0.8	30
2988	The effects of repeated usage of implant drills on cortical bone temperature, primary/secondary stability and bone healing: A preclinical in vivo micro-CT study. <i>Clinical Oral Implants Research</i> , 2020, 31, 687-693.	1.9	11
2989	Detailed In Vitro Pharmacological Characterization of the Clinically Viable Nociceptin/Orphanin FQ Peptide Receptor Antagonist BTRX-246040. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 373, 34-43.	1.3	10
2990	Galectin-3 Identifies a Subset of Macrophages With a Potential Beneficial Role in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1491-1509.	1.1	49
2991	A practical staging atlas to study embryonic development of <i>Octopus vulgaris</i> under controlled laboratory conditions. <i>BMC Developmental Biology</i> , 2020, 20, 7.	2.1	27
2992	The role of C-afferents in mediating neurogenic vasodilatation in plantar skin after acute sciatic nerve injury in rats. <i>BMC Neuroscience</i> , 2020, 21, 15.	0.8	3
2993	Infant High-Grade Gliomas Comprise Multiple Subgroups Characterized by Novel Targetable Gene Fusions and Favorable Outcomes. <i>Cancer Discovery</i> , 2020, 10, 942-963.	7.7	157
2994	Acute respiratory distress syndrome subphenotypes and therapy responsive traits among preclinical models: protocol for a systematic review and meta-analysis. <i>Respiratory Research</i> , 2020, 21, 81.	1.4	12
2995	Total Glycosides of <i>Cistanche deserticola</i> Promote Neurological Function Recovery by Inducing Neurovascular Regeneration via Nrf-2/Keap-1 Pathway in MCAO/R Rats. <i>Frontiers in Pharmacology</i> , 2020, 11, 236.	1.6	29
2996	Low-Dose Phosphodiesterase III Inhibitor Reduces the Vascular Amyloid Burden in Amyloid- $\beta^2$ Protein Precursor Transgenic Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2295.	1.8	6
2997	Transgenerational epigenetic and transcriptomic effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin exposure in rat. <i>Archives of Toxicology</i> , 2020, 94, 1613-1624.	1.9	8
2998	Blood carboxyhemoglobin elimination curve, half-lifetime, and arterial-venous differences in acute phase of carbon monoxide poisoning in ovine smoke inhalation injury model. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 141-146.	1.0	8
2999	The human milk oligosaccharides 2'-fucosyllactose and 6'-sialyllactose protect against the development of necrotizing enterocolitis by inhibiting toll-like receptor 4 signaling. <i>Pediatric Research</i> , 2021, 89, 91-101.	1.1	109

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3001	Improving translational research in sex-specific effects of comorbidities and risk factors in ischaemic heart disease and cardioprotection: position paper and recommendations of the ESC Working Group on Cellular Biology of the Heart. <i>Cardiovascular Research</i> , 2021, 117, 367-385.	1.8	53
3002	Boldine inhibits the alveolar bone resorption during ligature-induced periodontitis by modulating the Th17/Treg imbalance. <i>Journal of Periodontology</i> , 2021, 92, 123-136.	1.7	18
3004	Efficient production of immunodeficient non-obese diabetic/Shi-scid IL2 $\gamma$ null mice via the superovulation technique using inhibin antiserum and gonadotropin. <i>Laboratory Animals</i> , 2021, 55, 13-20.	0.5	2
3005	Multinucleated giant cells within the in vivo implantation bed of a collagen-based biomaterial determine its degradation pattern. <i>Clinical Oral Investigations</i> , 2021, 25, 859-873.	1.4	9
3006	Acid bone lysates reduce bone regeneration in rat calvaria defects. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 659-665.	2.1	12
3007	Gastric Residual to Predict Necrotizing Enterocolitis in Preterm Piglets As Models for Infants. <i>Journal of Parenteral and Enteral Nutrition</i> , 2021, 45, 87-93.	1.3	6
3008	T-2 Toxin Induces Epiphyseal Plate Lesions via Decreased SECISBP2-Mediated Selenoprotein Expression in DA Rats, Exacerbated by Selenium Deficiency. <i>Cartilage</i> , 2021, 12, 121-131.	1.4	9
3009	Arterial waveform morphomics during hemorrhagic shock. <i>European Journal of Trauma and Emergency Surgery</i> , 2021, 47, 325-332.	0.8	5
3010	Effects of hypothermia, hypoxia, and hypercapnia on brain oxygenation and hemodynamic parameters during simulated avalanche burial: a porcine study. <i>Journal of Applied Physiology</i> , 2021, 130, 237-244.	1.2	7
3011	Knee fibrosis is associated with the development of osteoarthritis in a murine model of tibial compression. <i>Journal of Orthopaedic Research</i> , 2021, 39, 1030-1040.	1.2	8
3012	High-altitude rodents have abundant collaterals that protect against tissue injury after cerebral, coronary and peripheral artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 731-744.	2.4	15
3013	Inhaled nitric oxide has pulmonary vasodilator efficacy both in the immediate and prolonged phase of acute pulmonary embolism. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021, 10, 265-272.	0.4	4
3014	Induction, Treatment, and Prevention of Temporomandibular Joint Ankylosis—A Systematic Review of Comparative Animal Studies. <i>Journal of Oral and Maxillofacial Surgery</i> , 2021, 79, 109-132.e6.	0.5	7
3015	Repeated social defeat stress induces neutrophil mobilization in mice: maintenance after cessation of stress and strain-dependent difference in response. <i>British Journal of Pharmacology</i> , 2021, 178, 827-844.	2.7	20
3016	Zika virus-induced brain malformations in chicken embryos. <i>Birth Defects Research</i> , 2021, 113, 22-31.	0.8	9
3017	Assessment of the in vivo biofunctionality of a biomimetic hybrid scaffold for osteochondral tissue regeneration. <i>Biotechnology and Bioengineering</i> , 2021, 118, 465-480.	1.7	8
3018	Per- and Polyfluoroalkyl Substance Toxicity and Human Health Review: Current State of Knowledge and Strategies for Informing Future Research. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 606-630.	2.2	697

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3020	Tailored haemodynamic response function increases detection power of fMRI in awake dogs ( <i>Canis</i> ) Tj ETQq1 1 0.784314 rgBT /Overl	2.1	15
3021	Morphological and immunohistochemical features of tooth extraction sites in rats treated with alendronate, raloxifene, or strontium ranelate. <i>Clinical Oral Investigations</i> , 2021, 25, 2705-2716.	1.4	6
3022	Erythromycin in the aquatic environment: deleterious effects on the initial development of zebrafish. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2021, 84, 56-66.	1.1	14
3023	Federation of European Laboratory Animal Science Associations recommendations of best practices for the health management of ruminants and pigs used for scientific and educational purposes. <i>Laboratory Animals</i> , 2021, 55, 117-128.	0.5	15
3024	Potentially obesogenic diets alter metabolic and neurobehavioural parameters in Wistar rats: a comparison between two dietary models. <i>Journal of Affective Disorders</i> , 2021, 279, 451-461.	2.0	14
3025	Safety and efficacy of smart tracheal occlusion device in diaphragmatic hernia lamb model. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 57, 105-112.	0.9	20
3026	Exertional heat stroke leads to concurrent long-term epigenetic memory, immunosuppression and altered heat shock response in female mice. <i>Journal of Physiology</i> , 2021, 599, 119-141.	1.3	24
3027	Impact of Genetic and Pharmacologic Inhibition of Myostatin in a Murine Model of Osteogenesis Imperfecta. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 739-756.	3.1	9
3028	Reviewing the animal literature: how to describe and choose between different types of literature reviews. <i>Laboratory Animals</i> , 2021, 55, 129-141.	0.5	14
3029	Differences in the progression of experimental peri-implantitis depending on the implant to abutment connection. <i>Clinical Oral Investigations</i> , 2021, 25, 3577-3587.	1.4	5
3030	From tissue engineering to engineering tissues: the role and application of <i>in vitro</i> models. <i>Biomaterials Science</i> , 2021, 9, 70-83.	2.6	19
3031	Exploring the effects of phenolic compounds to reduce intestinal damage and improve the intestinal barrier integrity: A systematic review of <i>in vivo</i> animal studies. <i>Clinical Nutrition</i> , 2021, 40, 1719-1732.	2.3	22
3032	Internal consistency and compatibility of the 3Rs and 3Vs principles for project evaluation of animal research. <i>Laboratory Animals</i> , 2021, 55, 233-243.	0.5	19
3033	The Spinal Control of Backward Locomotion. <i>Journal of Neuroscience</i> , 2021, 41, 630-647.	1.7	22
3034	Neuropeptide Y facilitates P2X1 receptor-dependent vasoconstriction via Y1 receptor activation in small mesenteric arteries during sympathetic neurogenic responses. <i>Vascular Pharmacology</i> , 2021, 136, 106810.	1.0	9
3035	A peritoneal defect covered by intraperitoneal mesh prosthesis effects an increased and distinctive foreign body reaction in a minipig model. <i>Journal of Biomaterials Applications</i> , 2021, 35, 732-739.	1.2	1
3036	Moxibustion for cognitive impairment: A systematic review and meta-analysis of animal studies. <i>Integrative Medicine Research</i> , 2021, 10, 100680.	0.7	10

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3039	Developing and validating attention bias tools for assessing trait and state affect in animals: A worked example with <i>Macaca mulatta</i> . <i>Applied Animal Behaviour Science</i> , 2021, 234, 105198.	0.8	13
3040	ST6GAL1 Is a Novel Serum Biomarker for Lenvatinib-Susceptible FGF19-Driven Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2021, 27, 1150-1161.	3.2	42
3041	Mean comparisons and power calculations to ensure reproducibility in preclinical drug discovery. <i>Statistics in Medicine</i> , 2021, 40, 1414-1428.	0.8	1
3042	Remote Ischemic Postconditioning Inhibits Hippocampal Neuronal Apoptosis and Mitophagy After Cardiopulmonary Resuscitation in Rats. <i>Shock</i> , 2021, 55, 74-82.	1.0	9
3043	Changes in the brain transcriptome after DNA A $\beta$ 242 trimer immunization in a 3xTg-AD mouse model. <i>Neurobiology of Disease</i> , 2021, 148, 105221.	2.1	9
3044	Experimental diffuse brain injury and a model of Alzheimer's disease exhibit disease-specific changes in sleep and incongruous peripheral inflammation. <i>Journal of Neuroscience Research</i> , 2021, 99, 1136-1160.	1.3	12
3045	A surgical mouse model of neonatal pressure overload by transverse aortic constriction. <i>Nature Protocols</i> , 2021, 16, 775-790.	5.5	5
3046	Systematic evaluation of rationally chosen multitargeted drug combinations: a combination of low doses of levetiracetam, atorvastatin and ceftriaxone exerts antiepileptogenic effects in a mouse model of acquired epilepsy. <i>Neurobiology of Disease</i> , 2021, 149, 105227.	2.1	10
3047	Treatment with an Angiopoietin-1 mimetic peptide promotes neurological recovery after stroke in diabetic rats. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 48-59.	1.9	16
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3049	Phenobarbital and midazolam suppress neonatal seizures in a noninvasive rat model of birth asphyxia, whereas bumetanide is ineffective. <i>Epilepsia</i> , 2021, 62, 920-934.	2.6	34
3050	Pharmacologic Inhibition of HIF-1 $\alpha$ Attenuates Radiation-Induced Pulmonary Fibrosis in a Preclinical Image Guided Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 553-566.	0.4	17
3051	High-throughput genotyping of high-homology mutant mouse strains by next-generation sequencing. <i>Methods</i> , 2021, 191, 78-86.	1.9	4
3052	Cy3 $\alpha$ tilmanocept labeling of macrophages in joints of mice with antibody-induced arthritis and synovium of human patients with rheumatoid arthritis. <i>Journal of Orthopaedic Research</i> , 2021, 39, 821-830.	1.2	3
3053	Preconceptional diet manipulation and fetus number can influence placenta endocrine function in sheep. <i>Domestic Animal Endocrinology</i> , 2021, 74, 106577.	0.8	7
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3056	A low amyloidogenic E61K transthyretin mutation may cause familial amyloid polyneuropathy. <i>Journal of Neurochemistry</i> , 2021, 156, 957-966.	2.1	6
3057	Periodontitis and diabetes reshape neuronal dendritic arborization in the thalamus and nucleus oralis in the rat. <i>Synapse</i> , 2021, 75, e22187.	0.6	0
3058	MUC4 is overexpressed in idiopathic pulmonary fibrosis and collaborates with transforming growth factor $\beta^2$ inducing fibrotic responses. <i>Mucosal Immunology</i> , 2021, 14, 377-388.	2.7	16
3059	Glucagon-like peptide-1 receptor agonists as neuroprotective agents for ischemic stroke: a systematic scoping review. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 14-30.	2.4	25
3060	Quantitative contrast-enhanced ultrasound of the brain on twin fetal lambs maintained by the extrauterine environment for neonatal development (EXTEND): initial experience. <i>Pediatric Radiology</i> , 2021, 51, 103-111.	1.1	0
3061	Subarachnoid hemorrhage leads to early and persistent functional connectivity and behavioral changes in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 975-985.	2.4	18
3062	Emergency myelopoiesis contributes to immune cell exhaustion and pulmonary vascular remodelling. <i>British Journal of Pharmacology</i> , 2021, 178, 187-202.	2.7	14
3063	The nociceptin/orphanin FQ receptor system as a target to alleviate cancer-induced bone pain in rats: Model validation and pharmacological evaluation. <i>British Journal of Pharmacology</i> , 2021, 178, 1995-2007.	2.7	8
3064	Spatial Distribution of Neuropathology and Neuroinflammation Elucidate the Biomechanics of Fluid Percussion Injury. <i>Neurotrauma Reports</i> , 2021, 2, 59-75.	0.5	4
3065	Reduction in pregnancies and litters in mice couples with splenectomized male. <i>Acta Cirurgica Brasileira</i> , 2021, 36, e360201.	0.3	1
3066	Linear radiofrequency ablation using dual switching-control mode achieves rapid and bloodless liver resection, an experimental research. <i>International Journal of Hyperthermia</i> , 2021, 38, 357-362.	1.1	0
3067	Diverse patterns of bone regeneration in rabbit calvarial defects depending on the type of collagen membrane. <i>Journal of Periodontal and Implant Science</i> , 2021, 51, 40.	0.9	4
3068	Inadequate awareness of adherence to ARRIVE guidelines, regarding reporting quality of hernia models repaired with meshes: a systematic review. <i>Hernia: the Journal of Hernias and Abdominal Wall Surgery</i> , 2022, 26, 389-400.	0.9	2
3070	Guided bone regeneration of chronic non-contained bone defects using a volume stable porous block TiO <sub>2</sub> scaffold: An experimental in vivo study. <i>Clinical Oral Implants Research</i> , 2021, 32, 369-381.	1.9	7
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3228	The lack of <i>Irs2</i> induces changes in the immunocytochemical expression of aromatase in the mouse retina. <i>Annals of Anatomy</i> , 2021, 239, 151726.	1.0	3
3229	Functional Selectivity Does Not Predict Antinociceptive/Locomotor Impairing Potencies of NOP Receptor Agonists. <i>Frontiers in Neuroscience</i> , 2021, 15, 657153.	1.4	4
3230	Reproductive toxicity potentials of methanolic extract of <i>Portulaca oleracea</i> in male rats: An experimental study. <i>International Journal of Reproductive BioMedicine</i> , 2021, 19, 245-254.	0.5	1
3231	The effects of myelin on macrophage activation are phenotypic specific via cPLA2 in the context of spinal cord injury inflammation. <i>Scientific Reports</i> , 2021, 11, 6341.	1.6	16
3232	Periconceptional nutrition with spineless cactus ( <i>Opuntia ficus-indica</i> ) improves metabolomic profiles and pregnancy outcomes in sheep. <i>Scientific Reports</i> , 2021, 11, 7214.	1.6	3
3233	Selective Ablation of BDNF from Microglia Reveals Novel Roles in Self-Renewal and Hippocampal Neurogenesis. <i>Journal of Neuroscience</i> , 2021, 41, 4172-4186.	1.7	29
3234	Characterization of acute pain-induced behavioral passivity in mice: Insights from statistical modeling. <i>European Journal of Neuroscience</i> , 2021, 53, 3072-3092.	1.2	1
3235	Cyclopiazonic Acid-Induced Ca <sup>2+</sup> Store Depletion Initiates Endothelium-Dependent Hyperpolarization-Mediated Vasorelaxation of Mesenteric Arteries in Healthy and Colitis Mice. <i>Frontiers in Physiology</i> , 2021, 12, 639857.	1.3	6
3236	Genome-wide interference of ZNF423 with B-lineage transcriptional circuitries in acute lymphoblastic leukemia. <i>Blood Advances</i> , 2021, 5, 1209-1223.	2.5	0
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3239	High-fiber diets attenuate emphysema development via modulation of gut microbiota and metabolism. <i>Scientific Reports</i> , 2021, 11, 7008.	1.6	53
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3241	The gut mycobiome of healthy mice is shaped by the environment and correlates with metabolic outcomes in response to diet. <i>Communications Biology</i> , 2021, 4, 281.	2.0	60
3242	Patterns of Neointima Formation After Coil or Stent Treatment in a Rat Saccular Sidewall Aneurysm Model. <i>Stroke</i> , 2021, 52, 1043-1052.	1.0	17
3243	A novel tissue specific alternative splicing variant mitigates phenotypes in <i>Ets2</i> frame-shift mutant models. <i>Scientific Reports</i> , 2021, 11, 8297.	1.6	8
3244	Integrative microRNAome analysis of skeletal muscle of <i>Colossoma macropomum</i> (tambaqui), <i>Piaractus mesopotamicus</i> (pacu), and the hybrid tambacu, based on next-generation sequencing data. <i>BMC Genomics</i> , 2021, 22, 237.	1.2	3

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3246	A single intra-articular dose of vitamin D analog calcipotriol alleviates synovitis without adverse effects in rats. <i>PLoS ONE</i> , 2021, 16, e0250352.	1.1	2
3247	Newcastle disease vaccine virus I-2 fails to acquire virulence during repeated passage in vivo. <i>Gates Open Research</i> , 2021, 5, 76.	2.0	1
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3251	Theanine and cancer: A systematic review of the literature. <i>Phytotherapy Research</i> , 2021, 35, 4782-4794.	2.8	10
3252	The microbiome and rodent models of immune mediated diseases. <i>Mammalian Genome</i> , 2021, 32, 251-262.	1.0	9
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3254	Systematic Review and Quality Evaluation Using ARRIVE 2.0 Guidelines on Animal Models Used for Periosteal Distraction Osteogenesis. <i>Animals</i> , 2021, 11, 1233.	1.0	8
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3256	Time-Restricted Feeding Regulates Circadian Rhythm of Murine Uterine Clock. <i>Current Developments in Nutrition</i> , 2021, 5, nzab064.	0.1	11
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3258	Histomorphometric Quantitative Evaluation of Long-Term Risedronate Use in a Knee Osteoarthritis Rabbit Model. <i>Frontiers in Veterinary Science</i> , 2021, 8, 669815.	0.9	1
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3260	Effects of Essential Oils of <i>Elettaria cardamomum</i> Grown in India and Guatemala on Gram-Negative Bacteria and Gastrointestinal Disorders. <i>Molecules</i> , 2021, 26, 2546.	1.7	19
3261	Isolation and characterization of anti-inflammatory and analgesic compounds from <i>Uapaca staudtii</i> Pax (Phyllanthaceae) stem bark. <i>Journal of Ethnopharmacology</i> , 2021, 269, 113737.	2.0	5
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3265	CD244 <sup>+</sup> polymorphonuclear myeloid-derived suppressor cells reflect the status of peritoneal dissemination in a colon cancer mouse model. <i>Oncology Reports</i> , 2021, 45, .	1.2	6
3266	Biochemical characterization of the cyclooxygenase enzyme in penaeid shrimp. <i>PLoS ONE</i> , 2021, 16, e0250276.	1.1	3
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3270	Reporting experimental studies on animals â€“ The problems with translating of outcomes to clinical benefits. Methodological and statistical considerations: The example of pulmonary hypertension. <i>European Journal of Pharmacology</i> , 2021, 897, 173952.	1.7	2
3272	Effects of estrogen deficiency during puberty on maxillary and mandibular growth and associated gene expression â€“ an $\frac{1}{4}$ CT study on rats. <i>Head &amp; Face Medicine</i> , 2021, 17, 14.	0.8	6
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3277	Social Nesting, Animal Welfare, and Disease Monitoring. <i>Animals</i> , 2021, 11, 1079.	1.0	9
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3280	The transcriptomic responses of Atlantic salmon ( <i>Salmo salar</i> ) to high temperature stress alone, and in combination with moderate hypoxia. <i>BMC Genomics</i> , 2021, 22, 261.	1.2	39
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3284	Autocrine IGF2 programmes $\beta^2$ -cell plasticity under conditions of increased metabolic demand. <i>Scientific Reports</i> , 2021, 11, 7717.	1.6	8
3285	The response of zinc transporter gene expression of selected tissues in a pig model of subclinical zinc deficiency. <i>Journal of Nutritional Biochemistry</i> , 2021, 90, 108576.	1.9	16
3286	Monitoring of anthracycline-induced myocardial injury using serial cardiac magnetic resonance: An animal study. <i>International Journal of Cardiology</i> , 2021, 328, 111-116.	0.8	1
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3291	Combination of platelet rich plasma and stromal vascular fraction on the level of vascular endothelial growth factor in rat subjects experiencing deep dermal burn injury. <i>Annals of Medicine and Surgery</i> , 2021, 64, 102254.	0.5	12
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3293	Salvia miltiorrhiza hydroalcoholic extract inhibits postoperative peritoneal adhesions in rats. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 126.	1.2	12
3294	Osseointegration of Plasma Jet Treated Titanium Implant Surface in an Animal Model. <i>Materials</i> , 2021, 14, 1942.	1.3	2
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3296	Retinoid X receptor activation promotes re-myelination in a very old triple transgenic mouse model of Alzheimer's disease. <i>Neuroscience Letters</i> , 2021, 750, 135764.	1.0	8
3297	Inhibition of TGF $\beta$ -activated kinase 1 promotes inflammation-resolving microglial/macrophage responses and recovery after stroke in ovariectomized female mice. <i>Neurobiology of Disease</i> , 2021, 151, 105257.	2.1	14
3298	The effects of physical prehabilitation: Improved liver regeneration and mitochondrial function after ALPPS operation in a rodent model. <i>Journal of Hepato-Biliary-Pancreatic Sciences</i> , 2021, 28, 692-702.	1.4	4
3299	The Impact of Dextran Sodium Sulfate-Induced Gastrointestinal Injury on the Pharmacokinetic Parameters of Donepezil and Its Active Metabolite 6-O-desmethyldonepezil, and Gastric Myoelectric Activity in Experimental Pigs. <i>Molecules</i> , 2021, 26, 2160.	1.7	6
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3302	Quantitative fluorescence angiography aids novice and experienced surgeons in performing intestinal resection in well-perfused tissue. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 2373-2381.	1.3	8
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3304	Acupuncture for experimental cerebral ischemia/reperfusion injury: a systematic review of methodology and reporting quality. <i>Acupuncture in Medicine</i> , 2021, 39, 096452842110095.	0.4	2
3305	Kokumi taste perception is functional in a model carnivore, the domestic cat ( <i>Felis catus</i> ). <i>Scientific Reports</i> , 2021, 11, 10527.	1.6	13
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3307	Palmitoleic Acid Protects against Hypertension by Inhibiting NF- $\kappa$ B-Mediated Inflammation. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2001025.	1.5	12
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3311	Effect of dexmedetomidine on sevoflurane-induced neurodegeneration in neonatal rats. <i>British Journal of Anaesthesia</i> , 2021, 126, 1009-1021.	1.5	18
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3313	Airway gas temperature within endotracheal tube can be monitored using rapid response thermometer. <i>Scientific Reports</i> , 2021, 11, 9537.	1.6	2
3314	Remote Ischemic Conditioning Increases Organ Injury in Murine Sepsis: Experimental Research. <i>Indian Journal of Surgery</i> , 0, , 1.	0.2	0
3315	Translational Block in Stroke: A Constructive and "Out-of-the-Box" Reappraisal. <i>Frontiers in Neuroscience</i> , 2021, 15, 652403.	1.4	21
3316	Effects of (a Combination of) the Beta2-Adrenoceptor Agonist Indacaterol and the Muscarinic Receptor Antagonist Glycopyrrolate on Intrapulmonary Airway Constriction. <i>Cells</i> , 2021, 10, 1237.	1.8	4
3317	Hydrologic variation influences stream fish assemblage dynamics through flow regime and drought. <i>Scientific Reports</i> , 2021, 11, 10704.	1.6	11
3318	Patient-derived tumor xenograft and organoid models established from resected pancreatic, duodenal and biliary cancers. <i>Scientific Reports</i> , 2021, 11, 10619.	1.6	15

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3321	Whole lung tissue is the preferred sampling method for amplicon-based characterization of murine lung microbiota. <i>Microbiome</i> , 2021, 9, 99.	4.9	24
3322	p97/VCP inhibition causes excessive MRE11-dependent DNA end resection promoting cell killing after ionizing radiation. <i>Cell Reports</i> , 2021, 35, 109153.	2.9	24
3323	DMV extrasynaptic NMDA receptors regulate caloric intake in rats. <i>JCI Insight</i> , 2021, 6, .	2.3	5
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3325	Assessment of select synthetic cannabinoid receptor agonist bias and selectivity between the type 1 and type 2 cannabinoid receptor. <i>Scientific Reports</i> , 2021, 11, 10611.	1.6	19
3326	The Effect of Coronal Implant Design and Drilling Protocol on Bone-to-Implant Contact: A 3-Month Study in the Minipig Calvarium. <i>Materials</i> , 2021, 14, 2645.	1.3	0
3327	Magnesium supplementation alleviates corticosteroid-associated muscle atrophy in rats. <i>European Journal of Nutrition</i> , 2021, 60, 4379-4392.	1.8	4
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3329	FasL Is Required for Osseous Healing in Extraction Sockets in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 678873.	2.2	3
3330	Neuropeptide S-Mediated Modulation of Prepulse Inhibition Depends on Age, Gender, Stimulus-Timing, and Attention. <i>Pharmaceuticals</i> , 2021, 14, 489.	1.7	2
3331	Evaluation of the anticonvulsant and neuroprotective effect of intracerebral administration of growth hormone in rats. <i>Neurologia</i> , 2024, 39, 1-9.	0.3	1
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3334	Figla promotes secondary follicle growth in mature mice. <i>Scientific Reports</i> , 2021, 11, 9842.	1.6	5
3335	A descriptive analysis of the data availability statements accompanying medRxiv preprints and a comparison with their published counterparts. <i>PLoS ONE</i> , 2021, 16, e0250887.	1.1	22
3336	<i>Lif</i> Deficiency Leads to Iron Transportation Dysfunction in Ameloblasts. <i>Journal of Dental Research</i> , 2022, 101, 63-72.	2.5	6

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3338	Evaluation of analgesic interaction between morphine, maropitant and dexmedetomidine in dogs undergoing ovariohysterectomy. <i>New Zealand Veterinary Journal</i> , 2022, 70, 10-21.	0.4	3
3340	Influence of immunosuppression on the progression of experimental periodontitis and on healthy periodontal tissue: A rat in vivo study. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , 2021, 15, 94-99.	0.4	1
3341	Protective effect of alamandine on doxorubicin-induced nephrotoxicity in rats. <i>BMC Pharmacology &amp; Toxicology</i> , 2021, 22, 31.	1.0	34
3342	Randomized trial of oxygen weaning strategies following chest compressions during neonatal resuscitation. <i>Pediatric Research</i> , 2021, 90, 540-548.	1.1	8
3343	Cellular senescence inhibits renal regeneration after injury in mice, with senolytic treatment promoting repair. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	83
3344	Inhibition of hyaluronan secretion by novel coumarin compounds and chitin synthesis inhibitors. <i>Glycobiology</i> , 2021, 31, 959-974.	1.3	6
3345	Effect of anticoagulants on farmed giant kokopu, <i>Galaxias argenteus</i> (Gmelin 1789) haematological parameters and erythrocyte fragility. <i>Journal of Fish Biology</i> , 2021, 99, 684-689.	0.7	2
3346	Great tits who remember more accurately have difficulty forgetting, but variation is not driven by environmental harshness. <i>Scientific Reports</i> , 2021, 11, 10083.	1.6	6
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3349	Molecular mechanisms of Zika virus teratogenesis from animal studies: a systematic review protocol. <i>Systematic Reviews</i> , 2021, 10, 160.	2.5	2
3350	CNP regulates cardiac contractility and increases cGMP near both SERCA and TnI: difference from BNP visualized by targeted cGMP biosensors. <i>Cardiovascular Research</i> , 2022, 118, 1506-1519.	1.8	13
3351	The Influence of Silver Nanoparticles Against Toxic Effects of <i>Philodryas olfersii</i> Venom. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 3555-3564.	3.3	1
3353	Activation of the $\mu$ opioid receptor relieves cerebral ischemic injury in rats via EGFR transactivation. <i>Life Sciences</i> , 2021, 273, 119292.	2.0	4
3354	Metabolic Fate and Cardiometabolic Effects of Phenolic Compounds from Red-Fleshed Apple in Hypercholesterolemic Rats: A Comparative Study with Common White-Fleshed Apple. <i>The AppleCOR Study. Molecular Nutrition and Food Research</i> , 2021, 65, e2001225.	1.5	10
3355	Increasing Natural Resistance Associated Macrophage Protein 1 serum level after Miana treatment in BALB/c induced <i>Klebsiella pneumoniae</i> experimental research. <i>Annals of Medicine and Surgery</i> , 2021, 65, 102262.	0.5	11
3356	High-fat diet increases the level of circulating Monocyte Chemoattractant Protein-1 in Wistar rats, independent of obesity. <i>Annals of Medicine and Surgery</i> , 2021, 65, 102266.	0.5	4

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3358	Triglyceride-induced cardiac lipotoxicity is mitigated by <i>Silybum marianum</i> . <i>Atherosclerosis</i> , 2021, 324, 91-101.	0.4	2
3359	Preventing the Long-term Effects of General Anesthesia on the Developing Brain: How Translational Research can Contribute. <i>Neuroscience</i> , 2021, 461, 172-179.	1.1	5
3360	Ethyl acetate fraction of <i>Spathodea campanulata</i> ( <i>Bignoniaceae</i> ) attenuates lead acetate induced testicular toxicity in male Wistar rats. <i>Journal of Complementary and Integrative Medicine</i> , 2022, 19, 19-26.	0.4	4
3361	Effects Of Doxycycline On Mice Neuromuscular Junction, In Situ. <i>Current Molecular Medicine</i> , 2021, 21, .	0.6	2
3362	Infliximab prevents systemic bone loss and suppresses tendon inflammation in a collagen-induced arthritis rat model. <i>Inflammopharmacology</i> , 2021, 29, 661-672.	1.9	7
3363	Chronic T cell proliferation in brains after stroke could interfere with the efficacy of immunotherapies. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	26
3364	Development and characterization of two equine formulations towards SARS-CoV-2 proteins for the potential treatment of COVID-19. <i>Scientific Reports</i> , 2021, 11, 9825.	1.6	17
3365	Comparative venomomics and preclinical efficacy evaluation of a monospecific <i>Hemachatus</i> antivenom towards sub-Saharan Africa cobra venoms. <i>Journal of Proteomics</i> , 2021, 240, 104196.	1.2	7
3366	Maternal Exercise Mediates Hepatic Metabolic Programming via Activation of AMPK-PGC1 $\alpha$ Axis in the Offspring of Obese Mothers. <i>Cells</i> , 2021, 10, 1247.	1.8	15
3367	The effect of nano-hydroxyapatite/chitosan scaffolds on rat calvarial defects for bone regeneration. <i>International Journal of Implant Dentistry</i> , 2021, 7, 40.	1.1	15
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3370	The effect of glutathione as adjuvant therapy on levels of TNF- $\alpha$ and IL-10 in wistar rat peritonitis model. <i>Annals of Medicine and Surgery</i> , 2021, 66, 102406.	0.5	3
3371	Fine-Tuning the PI3K/Akt Signaling Pathway Intensity by Sex and Genotype-Load: Sex-Dependent Homozygotic Threshold for Somatic Growth but Feminization of Anxious Phenotype in Middle-Aged PDK1 K465E Knock-In and Heterozygous Mice. <i>Biomedicines</i> , 2021, 9, 747.	1.4	13
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3489	Percutaneous Transgastric Duodenal Stenting and Gastrostomy Repair Using a Vascular Closure Device: Proof of Concept in a Porcine Model. <i>Surgical Innovation</i> , 2021, , 155335062110310.	0.4	1
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3509	Systematic review of Ethiopian medicinal plants used for their anti-inflammatory and wound healing activities. <i>Journal of Ethnopharmacology</i> , 2021, 276, 114179.	2.0	17
3510	Phospholamban antisense oligonucleotides improve cardiac function in murine cardiomyopathy. <i>Nature Communications</i> , 2021, 12, 5180.	5.8	24
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3516	Systems analysis identifies endothelin 1 axis blockade for enhancing the anti-tumor effect of multikinase inhibitor. <i>Cancer Gene Therapy</i> , 2021, , .	2.2	4
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3519	Neuroethics and Animals: Report and Recommendations From the University of Pennsylvania Animal Research Neuroethics Workshop. <i>ILAR Journal</i> , 2019, 60, 424-433.	1.8	1
3520	A performance comparison of the most commonly used minimally invasive monitors of cardiac output. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 1668-1682.	0.7	0



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3523	Role of Pial Microvasospasms and Leukocyte Plugging for Parenchymal Perfusion after Subarachnoid Hemorrhage Assessed by In Vivo Multi-Photon Microscopy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8444.	1.8	2
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3525	Mice and Rats Exhibit Striking Inter-species Differences in Gene Response to Acute Stroke. <i>Cellular and Molecular Neurobiology</i> , 2021, , 1.	1.7	4
3526	Pertussis toxinâ€“induced inflammatory response exacerbates intracerebral haemorrhage and ischaemic stroke in mice. <i>Stroke and Vascular Neurology</i> , 2022, 7, 29-37.	1.5	9
3527	The use of rhBMP2 for augmentation of established horizontal/vertical defects may require additional use of rhVEGF to achieve significant bone regeneration: An in vivo experimental study. <i>Clinical Oral Implants Research</i> , 2021, 32, 1228-1240.	1.9	4
3529	A fructosylated peptide derived from a collagen II T cell epitope for long-term treatment of arthritis (FIA-CIA) in mice. <i>Scientific Reports</i> , 2021, 11, 17345.	1.6	5
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3532	Identification of intima-to-media signals for flow-induced vascular remodeling using correlative gene expression analysis. <i>Scientific Reports</i> , 2021, 11, 16142.	1.6	4
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3537	RIPK1 or RIPK3 deletion prevents progressive neuronal cell death and improves memory function after traumatic brain injury. <i>Acta Neuropathologica Communications</i> , 2021, 9, 138.	2.4	27
3538	Effects of dietary forage to concentrate ratio on nutrient digestibility, ruminal fermentation and rumen bacterial composition in Angus cows. <i>Scientific Reports</i> , 2021, 11, 17023.	1.6	43
3539	Effects of putative dietary probiotics from the gut of milkfish ( <i>Chanos chanos</i> ) on the growth performance and intestinal enzymatic activities of juvenile Nile tilapia ( <i>Oreochromis niloticus</i> ) <i>Tj ETQq0 0 0ngBT/Overlock 10 T</i>		
3540	Experimental Investigation of Physical Leaky Barrier Design Implications on Juvenile Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Movement. <i>Water Resources Research</i> , 2021, 57, e2021WR030111.	1.7	6

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3548	Infectious spleen and kidney necrosis virus-associated large-scale mortality in farmed giant gourami, <i>Osfronemus goramy</i> , in India. <i>Journal of Fish Diseases</i> , 2021, 44, 2043-2053.	0.9	6
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3553	Chitosan coatings with distinct innate immune bioactivities differentially stimulate angiogenesis, osteogenesis and chondrogenesis in poly-caprolactone scaffolds with controlled interconnecting pore size. <i>Bioactive Materials</i> , 2022, 10, 430-442.	8.6	7
3554	Improving rigor and reproducibility in nonhuman primate research. <i>American Journal of Primatology</i> , 2021, 83, e23331.	0.8	14
3555	Plasma and rhADAMTS13 reduce trauma-induced organ failure by restoring the ADAMTS13-VWF axis. <i>Blood Advances</i> , 2021, 5, 3478-3491.	2.5	14
3556	Does MTA provide a more favourable histological response than other materials in the repair of furcal perforations? A systematic review. <i>International Endodontic Journal</i> , 2021, 54, 2195-2218.	2.3	7
3557	Optimum biscuit from <i>Musa sapientum</i> L. and <i>Vigna unguiculata</i> L. composite flour: effect on pancreatic histology, biochemical and hematological parameters of diabetic rats. <i>Heliyon</i> , 2021, 7, e07987.	1.4	1
3558	New polyoxazoline loaded patches for hemostasis in experimental liver resection. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 597-605.	1.6	5
3559	Effects of a BMI1008 mixture on postoperative pain in a rat model of incisional pain. <i>PLoS ONE</i> , 2021, 16, e0257267.	1.1	2

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3566	Red Blood Cell and Endothelial eNOS Independently Regulate Circulating Nitric Oxide Metabolites and Blood Pressure. <i>Circulation</i> , 2021, 144, 870-889.	1.6	85
3567	PDE5 Inhibition Suppresses Ventricular Arrhythmias by Reducing SR Ca <sup>2+</sup> Content. <i>Circulation Research</i> , 2021, 129, 650-665.	2.0	8
3568	Serum inflammatory profiles in cystic fibrosis mice with and without <i>Bordetella pseudohinzii</i> infection. <i>Scientific Reports</i> , 2021, 11, 17535.	1.6	8
3569	Histologic and histomorphometric evaluation of new zirconia-based ceramic dental implants: A preclinical study in dogs. <i>Dental Materials</i> , 2021, 37, 1377-1389.	1.6	14
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3572	Triple Oxygen Isotope Measurements ( $\delta^{17}O$ ) of Body Water Reflect Water Intake, Metabolism, and $\delta^{18}O$ of Ingested Water in Passerines. <i>Frontiers in Physiology</i> , 2021, 12, 710026.	1.3	5
3573	The mechanism of Epimedin B in treating osteoporosis as revealed by RNA sequencing-based analysis. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021, 129, 450-461.	1.2	4
3574	Hybrid derivative of cathelicidin and human beta defensin-2 against Gram-positive bacteria: A novel approach for the treatment of bacterial keratitis. <i>Scientific Reports</i> , 2021, 11, 18304.	1.6	13
3575	Distinct Effects of Heparin and Interleukin-4 Functionalization on Macrophage Polarization and In Situ Arterial Tissue Regeneration Using Resorbable Supramolecular Vascular Grafts in Rats. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101103.	3.9	11
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3582	Effects of long-term infliximab and tocilizumab treatment on anxiety-like behavior and cognitive function in naive rats. <i>Pharmacological Reports</i> , 2022, 74, 84-95.	1.5	5
3583	Network pharmacology-based investigation of potential targets of astragalus membranaceus-angelica sinensis compound acting on diabetic nephropathy. <i>Scientific Reports</i> , 2021, 11, 19496.	1.6	51
3584	Signs of diastolic dysfunction are graded by serum testosterone levels in aging C57BL/6 male mice. <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111523.	2.2	5
3585	Murine norovirus virulence factor 1 (VF1) protein contributes to viral fitness during persistent infection. <i>Journal of General Virology</i> , 2021, 102, .	1.3	4
3586	Soluble Factors Involved in Cancer Cellâ€“Macrophage Interaction Promote Breast Cancer Growth. <i>Anticancer Research</i> , 2021, 41, 4249-4258.	0.5	8
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3588	Top Priorities for Cerebroprotective Studiesâ€“A Paradigm Shift: Report From STAIR XI. <i>Stroke</i> , 2021, 52, 3063-3071.	1.0	78
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3592	Randomization, blinding, data handling and sample size estimation in papers published in <i>Veterinary Anaesthesia and Analgesia</i> in 2009 and 2019. <i>Veterinary Anaesthesia and Analgesia</i> , 2022, 49, 18-25.	0.3	7
3593	Electrochemical properties of the nonâ€“excitable tissue stria vascularis of the mammalian cochlea are sensitive to sounds. <i>Journal of Physiology</i> , 2021, 599, 4497-4516.	1.3	4
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3595	Chemogenetic modulation of histaminergic neurons in the tuberomamillary nucleus alters territorial aggression and wakefulness. <i>Scientific Reports</i> , 2021, 11, 17935.	1.6	5
3596	Redox ratio in the left ventricle of the growth restricted fetus is positively correlated with cardiac output. <i>Journal of Biophotonics</i> , 2021, 14, e202100157.	1.1	9

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3598	Fluorescence image-guided resection of intracranial meningioma: an experimental in vivo study on nude mice. <i>Annals of Anatomy</i> , 2021, 237, 151752.	1.0	3
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3601	Whole brain in vivo neuropathology: imaging site-specific changes in brain structure over time following trimethyltin exposure in rats. <i>Toxicology Letters</i> , 2021, 352, 54-60.	0.4	1
3602	Kyphosis and bizarre patterns impair spontaneous gait performance in end-of-life mice with Alzheimer's disease pathology while gait is preserved in normal aging. <i>Neuroscience Letters</i> , 2022, 767, 136280.	1.0	3
3603	Comparative study of dezocine, pentazocine and tapentadol on antinociception and physical dependence. <i>Life Sciences</i> , 2021, 285, 119996.	2.0	4
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3607	Evaluation of a fluorescence endoscope in murine in-vivo auto-fluorescence glioma models. <i>Annals of Anatomy</i> , 2021, 237, 151746.	1.0	0
3609	Transfer factor treatment in management of peritonitis condition: An experimental study in rat. <i>Annals of Medicine and Surgery</i> , 2021, 69, 102755.	0.5	1
3610	Functional Assessment of Stroke-Induced Regulation of miR-20a-3p and Its Role as a Neuroprotectant. <i>Translational Stroke Research</i> , 2022, 13, 432-448.	2.3	11
3611	Metabolomics in salmonid aquaculture research: Applications and future perspectives. <i>Reviews in Aquaculture</i> , 2022, 14, 547-577.	4.6	14
3612	Modulation of psoriatic-like skin inflammation by traditional Indian medicine Divya-Kayakalp-Vati and Oil through attenuation of pro-inflammatory cytokines. <i>Journal of Traditional and Complementary Medicine</i> , 2021, , .	1.5	2
3613	Acute and subacute toxicity evaluation of hydroalcoholic extract from the stem bark of Bois Bande ( <i>Parinari campestris</i> Aubl.1772) in rats. <i>BMC Pharmacology &amp; Toxicology</i> , 2021, 22, 51.	1.0	3
3614	Targeting platelet glycoprotein VI attenuates progressive ischemic brain damage before recanalization during middle cerebral artery occlusion in mice. <i>Experimental Neurology</i> , 2021, 344, 113804.	2.0	10
3615	Levels of evidence and journal impact factor in oral and maxillofacial surgery: a 15-year follow-up. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021, 50, 1394-1399.	0.7	9

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3617	The effect of Platelet-Rich Plasma and Stromal Vascular Fraction combination on Epidermal Growth Factor serum level for anal trauma healing in the Wistar rat model. <i>Annals of Medicine and Surgery</i> , 2021, 70, 102773.	0.5	4
3618	CXCL1-CXCR1/2 signaling is induced in human temporal lobe epilepsy and contributes to seizures in a murine model of acquired epilepsy. <i>Neurobiology of Disease</i> , 2021, 158, 105468.	2.1	15
3619	Occlusal Trauma Induces Neuroimmune Crosstalk for a Pain State. <i>Journal of Dental Research</i> , 2022, 101, 339-347.	2.5	5
3620	Chronic <i>Porphyromonas gingivalis</i> lipopolysaccharide induces adverse myocardial infarction wound healing through activation of CD8 <sup>+</sup> T cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H948-H962.	1.5	15
3621	Completeness of reporting of systematic reviews in the animal health literature: A meta-research study. <i>Preventive Veterinary Medicine</i> , 2021, 195, 105472.	0.7	7
3622	Neuropathic pain-alleviating activity of novel 5-HT <sub>6</sub> receptor inverse agonists derived from 2-aryl-1H-pyrrole-3-carboxamide. <i>Bioorganic Chemistry</i> , 2021, 115, 105218.	2.0	4
3623	Functional identification of ergothioneine transporter in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021, 256, 110631.	0.7	7
3624	Modeling Functional Limitations, Gait Impairments, and Muscle Pathology in Alzheimer's Disease: Studies in the 3xTg-AD Mice. <i>Biomedicines</i> , 2021, 9, 1365.	1.4	9
3625	Doxycycline rescues recognition memory and circadian motor rhythmicity but does not prevent terminal disease in fatal familial insomnia mice. <i>Neurobiology of Disease</i> , 2021, 158, 105455.	2.1	4
3626	TTI-101: A competitive inhibitor of STAT3 that spares oxidative phosphorylation and reverses mechanical allodynia in mouse models of neuropathic pain. <i>Biochemical Pharmacology</i> , 2021, 192, 114688.	2.0	16
3627	Extension of early esophageal squamous cell neoplasia into ducts and submucosal glands and the role of endoscopic ablation therapy. <i>Gastrointestinal Endoscopy</i> , 2021, 94, 832-842.e2.	0.5	3
3628	Effect of leukopenia induced by cyclophosphamide on the initial stage of arterial thrombosis in mice. <i>Thrombosis Research</i> , 2021, 206, 111-119.	0.8	3
3629	The gut microbiota modulates brain network connectivity under physiological conditions and after acute brain ischemia. <i>iScience</i> , 2021, 24, 103095.	1.9	12
3630	Effect of erythropoietin administration on expression of mRNA brain-derived Neurotrophic factor, levels of stromal cell-derived Factor-1, and neuron specific enolase in brain injury model Sprague Dawley. <i>Annals of Medicine and Surgery</i> , 2021, 70, 102877.	0.5	3
3631	Improved in vivo osseointegration and degradation behavior of PEO surface-modified WE43 magnesium plates and screws after 6 and 12 months. <i>Materials Science and Engineering C</i> , 2021, 129, 112380.	3.8	37
3632	Exploring the roles of neuropeptides in trigeminal neuropathic pain: A systematic review and narrative synthesis of animal studies. <i>Archives of Oral Biology</i> , 2021, 130, 105247.	0.8	4
3633	Photoacoustic Spectroscopy and Hyperglycemia in Experimental Type 1 Diabetes. <i>Applied Spectroscopy</i> , 2021, 75, 000370282110472.	1.2	4



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3635	Pharmacokinetics and pharmacodynamics of sildenafil in fetal lambs on extracorporeal support. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112161.	2.5	4
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3637	The possible oxidative stress and DNA damage induced in Diclofenac-exposed Non-target organisms in the aquatic environment: A systematic review. <i>Ecological Indicators</i> , 2021, 131, 108172.	2.6	15
3638	Isolation and characterization of bioactive xanthenes from <i>Hippocratea africana</i> (Willd.)Loes.ex Engl. (Celastraceae). <i>Journal of Ethnopharmacology</i> , 2021, 280, 114031.	2.0	5
3639	Prenatal exposure to propionic acid induces altered locomotion and reactive astrogliosis in male rats. <i>Journal of Chemical Neuroanatomy</i> , 2021, 117, 102011.	1.0	3
3640	A wake-up call: Sleep physiology and related translational discrepancies in studies of rapid-acting antidepressants. <i>Progress in Neurobiology</i> , 2021, 206, 102140.	2.8	6
3641	Salivary parameters alterations after early exposure to environmental methylmercury: A preclinical study in offspring rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 68, 126820.	1.5	5
3642	The welfare of zebrafish. , 2022, , 101-117.		0
3643	Effect of different nucleus sizes and culture duration on the quality of half pearls (MAB%) produced by the winged pearl oyster <i>Pteria sterna</i> (Gould, 1851) in Ecuador. <i>Aquaculture</i> , 2022, 546, 737278.	1.7	3
3644	Hypothermic preconditioning attenuates hypobaric hypoxia induced spatial memory impairment in rats. <i>Behavioural Brain Research</i> , 2022, 416, 113568.	1.2	3
3645	Putative ergothioneine transporter of salmonids as a functional tool for ergothioneine supplementation. <i>Aquaculture</i> , 2022, 547, 737496.	1.7	2
3646	Covalent linkage of sulfated hyaluronan to the collagen scaffold Mucograft® enhances scaffold stability and reduces proinflammatory macrophage activation in vivo. <i>Bioactive Materials</i> , 2022, 8, 420-434.	8.6	15
3647	An Ethical Assessment Tool (ETHAS) to Evaluate the Application of Assisted Reproductive Technologies in Mammals Conservation: The Case of the Northern White Rhinoceros ( <i>Ceratotherium simum</i> ) Tj ETQq1 1 0.780314 rgBT /Overl		
3648	Intermittent Fasting Alleviates Cognitive Impairments and Hippocampal Neuronal Loss but Enhances Astrocytosis in Mice with Subcortical Vascular Dementia. <i>Journal of Nutrition</i> , 2021, 151, 722-730.	1.3	7
3649	Continuous chest compressions with asynchronous ventilations increase carotid blood flow in the perinatal asphyxiated lamb model. <i>Pediatric Research</i> , 2021, 90, 752-758.	1.1	14
3650	DNA Methylation Dynamics in Atlantic Salmon ( <i>Salmo salar</i> ) Challenged With High Temperature and Moderate Hypoxia. <i>Frontiers in Marine Science</i> , 2021, 7, .	1.2	36
3651	Evolution of mirror-image pain in temporomandibular joint osteoarthritis mouse model. <i>Journal of Applied Oral Science</i> , 2021, 29, e20200575.	0.7	9

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4209	Characterization of spawning rhythms of a sparidae aquaculture species, the white seabream ( <i>Lepidotilapia guntheri</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1	0.9	1
4210	Oleanolic acid reduces oxidative stress and neuronal apoptosis after experimental subarachnoid hemorrhage by regulating Nrf2/HO-1 pathway. <i>Drug Development Research</i> , 2021, , .	1.4	7
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4929	Cull cow carcass traits and risk of culling of Holstein cows and 3-breed rotational crossbred cows from Viking Red, MontbÅ©liarde, and Holstein bulls. <i>Journal of Dairy Science</i> , 2023, 106, 312-322.	1.4	7
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4943	Optimizing Drug Response Study Design in Patient-Derived Tumor Xenografts. <i>Cancer Informatics</i> , 2022, 21, 117693512211360.	0.9	3
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4949	Charcot-Marie-Tooth-1A and sciatic nerve crush rat models: insights from proteomics. <i>Neural Regeneration Research</i> , 2023, 18, 1354.	1.6	0
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4954	The effect of submucosal injection of platelet-rich fibrin vs. platelet-rich plasma on orthodontic tooth movement in rabbits; 28 days follow-up. <i>International Orthodontics</i> , 2023, 21, 100715.	0.6	0

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4956	The anti-obesity effect of mulberry leaf ( <i>Mori Folium</i> ) extracts was increased by bioconversion with Pectinex. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
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4960	Bitter taste sensitivity in domestic dogs ( <i>Canis familiaris</i> ) and its relevance to bitter deterrents of ingestion. <i>PLoS ONE</i> , 2022, 17, e0277607.	1.1	0
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4963	Influence of laurel ( <i>Laurus nobilis</i> ) essential oil on gut function of Black Sea salmon ( <i>Salmo labrax</i> ) juveniles. <i>Tropical Animal Health and Production</i> , 2022, 54, .	0.5	0
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4971	Transcriptome profiling of osteoclast subsets associated with arthritis: A pathogenic role of CCR2hi osteoclast progenitors. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	0
4972	Remote Ischaemic Pre-Conditioning Reduces Intestinal Ischaemia Reperfusion Injury in a Newborn Rat. <i>Journal of Pediatric Surgery</i> , 2023, 58, 1389-1398.	0.8	2
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4997	Non-neuronal TRPA1 encodes mechanical allodynia associated with neurogenic inflammation and partial nerve injury in rats. <i>British Journal of Pharmacology</i> , 0, , .	2.7	5
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5025	Chronic Fetal Leucine Infusion Increases Rate of Leucine Oxidation but Not of Protein Synthesis in Late Gestation Fetal Sheep. <i>Journal of Nutrition</i> , 2023, 153, 493-504.	1.3	1
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5044	CMTR1 promotes colorectal cancer cell growth and immune evasion by transcriptionally regulating STAT3. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	3
5045	Acceleration of GABA-switch after early life stress changes mouse prefrontal glutamatergic transmission. <i>Neuropharmacology</i> , 2023, 234, 109543.	2.0	3
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