

Merel Ritskes-Hoitinga

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

5,225
citations

218592

26
h-index

118793

62
g-index

66
all docs

66
docs citations

66
times ranked

6736
citing authors

#	ARTICLE	IF	CITATIONS
1	SYRCLE™s risk of bias tool for animal studies. BMC Medical Research Methodology, 2014, 14, 43.	1.4	2,065
2	A Gold Standard Publication Checklist to Improve the Quality of Animal Studies, to Fully Integrate the Three Rs, and to Make Systematic Reviews More Feasible. ATLA Alternatives To Laboratory Animals, 2010, 38, 167-182.	0.7	261
3	Enhancing search efficiency by means of a search filter for finding all studies on animal experimentation in PubMed. Laboratory Animals, 2010, 44, 170-175.	0.5	259
4	Is it possible to overcome issues of external validity in preclinical animal research? Why most animal models are bound to fail. Journal of Translational Medicine, 2018, 16, 304.	1.8	220
5	Association of Multiple Cellular Stress Pathways With Accelerated Atherosclerosis in Hyperhomocysteinemic Apolipoprotein E-Deficient Mice. Circulation, 2004, 110, 207-213.	1.6	193
6	A protocol format for the preparation, registration and publication of systematic reviews of animal intervention studies. Evidence-based Preclinical Medicine, 2015, 2, 1-9.	0.9	192
7	Animal to human translation: a systematic scoping review of reported concordance rates. Journal of Translational Medicine, 2019, 17, 223.	1.8	170
8	A step-by-step guide to systematically identify all relevant animal studies. Laboratory Animals, 2012, 46, 24-31.	0.5	152
9	Ischemic Preconditioning in the Animal Kidney, a Systematic Review and Meta-Analysis. PLoS ONE, 2012, 7, e32296.	1.1	151
10	Meta-Analyses of Animal Studies: An Introduction of a Valuable Instrument to Further Improve Healthcare. ILAR Journal, 2014, 55, 418-426.	1.8	138
11	The Effects of Long-Term Omega-3 Fatty Acid Supplementation on Cognition and Alzheimer's Pathology in Animal Models of Alzheimer's Disease: A Systematic Review and Meta-Analysis. Journal of Alzheimer's Disease, 2012, 28, 191-209.	1.2	125
12	A search filter for increasing the retrieval of animal studies in Embase. Laboratory Animals, 2011, 45, 268-270.	0.5	93
13	Facilitating healthcare decisions by assessing the certainty in the evidence from preclinical animal studies. PLoS ONE, 2018, 13, e0187271.	1.1	87
14	Letter to the Editor. Laboratory Animals, 2014, 48, 88-88.	0.5	84
15	Effects of vitamin supplementation and hyperhomocysteinemia on atherosclerosis in apoE-deficient mice. Atherosclerosis, 2003, 168, 255-262.	0.4	69
16	Systematic Reviews of Animal Studies; Missing Link in Translational Research?. PLoS ONE, 2014, 9, e89981.	1.1	69
17	The Effects of Probiotic Supplementation on Experimental Acute Pancreatitis: A Systematic Review and Meta-Analysis. PLoS ONE, 2012, 7, e48811.	1.1	60
18	Systematic Reviews of Preclinical Animal Studies can Make Significant Contributions to Health Care and More Transparent Translational Medicine. , 2014, , ED000078.		60

#	ARTICLE	IF	CITATIONS
19	Improving planning, design, reporting and scientific quality of animal experiments by using the Gold Standard Publication Checklist, in addition to the ARRIVE guidelines. <i>British Journal of Pharmacology</i> , 2011, 162, 1259-1260.	2.7	51
20	Can prospective systematic reviews of animal studies improve clinical translation?. <i>Journal of Translational Medicine</i> , 2020, 18, 15.	1.8	42
21	Introduction to the EQIPD quality system. <i>ELife</i> , 2021, 10, .	2.8	42
22	Improving animal research reporting standards. <i>EMBO Reports</i> , 2018, 19, .	2.0	37
23	Evidence Synthesis International (ESI): Position Statement. <i>Systematic Reviews</i> , 2020, 9, 155.	2.5	37
24	A systematic review and meta-analysis of the ability of analgesic drugs to reduce metastasis in experimental cancer models. <i>Pain</i> , 2015, 156, 1835-1844.	2.0	36
25	Determinants of the Efficacy of Cardiac Ischemic Preconditioning: A Systematic Review and Meta-Analysis of Animal Studies. <i>PLoS ONE</i> , 2015, 10, e0142021.	1.1	36
26	Reducing the Number of Laboratory Animals Used in Tissue Engineering Research by Restricting the Variety of Animal Models. Articular Cartilage Tissue Engineering as a Case Study. <i>Tissue Engineering - Part B: Reviews</i> , 2012, 18, 427-435.	2.5	34
27	A combined pre-clinical meta-analysis and randomized confirmatory trial approach to improve data validity for therapeutic target validation. <i>Scientific Reports</i> , 2015, 5, 13428.	1.6	30
28	A systematic review and meta-analysis of the protective effects of metformin in experimental myocardial infarction. <i>PLoS ONE</i> , 2017, 12, e0183664.	1.1	30
29	The potential of tissue engineering for developing alternatives to animal experiments: a systematic review. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 771-778.	1.3	28
30	A Systematic Review of the Modifying Effect of Anaesthetic Drugs on Metastasis in Animal Models for Cancer. <i>PLoS ONE</i> , 2016, 11, e0156152.	1.1	27
31	Tissue Engineering in Animal Models for Urinary Diversion: A Systematic Review. <i>PLoS ONE</i> , 2014, 9, e98734.	1.1	25
32	The Methodological Standards for Epidemiological Research (MASTER) scale demonstrated a unified framework for bias assessment. <i>Journal of Clinical Epidemiology</i> , 2021, 134, 52-64.	2.4	25
33	Preclinical Evidence for the Efficacy of Ischemic Postconditioning against Renal Ischemia-Reperfusion Injury, a Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2016, 11, e0150863.	1.1	24
34	Assessing the Search for and Implementation of the Three Rs: A Survey among Scientists. <i>ATLA Alternatives To Laboratory Animals</i> , 2009, 37, 297-303.	0.7	22
35	Assessing the Search for Information on Three Rs Methods, and their Subsequent Implementation: A National Survey among Scientists in the Netherlands. <i>ATLA Alternatives To Laboratory Animals</i> , 2011, 39, 429-447.	0.7	20
36	Improving the conduct, reporting, and appraisal of animal research. <i>BMJ: British Medical Journal</i> , 2018, 360, j4935.	2.4	20

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37	The impact of tail tip amputation and ink tattoo on C57BL/6JBomTac mice. <i>Laboratory Animals</i> , 2007, 41, 19-29.	0.5	17
38	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
39	The evidence for the physiological effects of lactate on the cerebral microcirculation: a systematic review. <i>Journal of Neurochemistry</i> , 2019, 148, 712-730.	2.1	16
40	S-adenosylmethionine and S-adenosylhomocysteine levels in the aging brain of APP/PS1 Alzheimer mice. <i>Neurological Sciences</i> , 2009, 30, 439-445.	0.9	14
41	Assessing the application of the 3Rs: a survey among animal welfare officers in The Netherlands. <i>Laboratory Animals</i> , 2013, 47, 210-219.	0.5	14
42	A systematic review of discomfort due to toe or ear clipping in laboratory rodents. <i>Laboratory Animals</i> , 2017, 51, 583-600.	0.5	14
43	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
44	Suppression of Noxious-Induced C-Fos Expression in the Rat Lumbar Spinal Cord by Isoflurane Alone or Combined with Fentanyl. <i>Anesthesia and Analgesia</i> , 2008, 106, 1303-1308.	1.1	10
45	Animal models for cystic fibrosis: A systematic search and mapping review of the literature – Part 1: genetic models. <i>Laboratory Animals</i> , 2020, 54, 330-340.	0.5	9
46	A Systematic Review Comparing Experimental Design of Animal and Human Methotrexate Efficacy Studies for Rheumatoid Arthritis: Lessons for the Translational Value of Animal Studies. <i>Animals</i> , 2020, 10, 1047.	1.0	8
47	Clinical relevance assessment of animal preclinical research (RAA) tool: development and explanation. <i>PeerJ</i> , 2021, 9, e10673.	0.9	8
48	The impact of conducting preclinical systematic reviews on researchers and their research: A mixed method case study. <i>PLoS ONE</i> , 2021, 16, e0260619.	1.1	7
49	Establishing a health-based recommended occupational exposure limit for nitrous oxide using experimental animal data – A systematic review protocol. <i>Environmental Research</i> , 2019, 178, 108711.	3.7	6
50	Outcomes of a Dutch workshop on improvements for the 3Rs in daily practice. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012, 29, 440-443.	0.9	6
51	Comparative study of histopathologic characterization of azoxymethane-induced colon tumors in three inbred rat strains. <i>Comparative Medicine</i> , 2002, 52, 50-7.	0.4	6
52	Animal models for cystic fibrosis: a systematic search and mapping review of the literature. Part 2: nongenetic models. <i>Laboratory Animals</i> , 2021, 55, 307-316.	0.5	5
53	The Use of Artificial Intelligence for the Fast and Effective Identification of Three Rs-based Literature. <i>ATLA Alternatives To Laboratory Animals</i> , 2021, 49, 133-136.	0.7	5
54	Effects of experimental sleep deprivation on aggressive, sexual and maternal behaviour in animals: a systematic review protocol. <i>BMJ Open Science</i> , 2018, 2, e000041.	0.8	4

#	ARTICLE	IF	CITATIONS
55	Letter to the editor - round table unites to tackle culture change in an effort to improve animal research reporting. BMC Veterinary Research, 2017, 13, 314.	0.7	3
56	Wistar rats do not show preference for either of two commonly used nutritionally sound food rewards in a T-maze. Journal of Veterinary Behavior: Clinical Applications and Research, 2019, 31, 22-27.	0.5	3
57	Effects of sleep deprivation on maternal behaviour in animal models: A systematic review and meta-analysis. Journal of Sleep Research, 2021, 30, e13333.	1.7	3
58	A health-based recommended occupational exposure limit for nitrous oxide using experimental animal data based on a systematic review and dose-response analysis. Environmental Research, 2021, 201, 111575.	3.7	3
59	The role of systematic reviews in identifying the limitations of preclinical animal research, 2000–2022: part 2. Journal of the Royal Society of Medicine, 2022, 115, 231-235.	1.1	2
60	Mechanical ventilation of mice under general anesthesia during experimental procedures. Lab Animal, 2013, 42, 253-257.	0.2	1
61	Systematic Reviews. Laboratory Animal Science and Medicine, 2021, , 213-261.	0.1	1
62	Analysis of beta-catenin, Ki-ras, and microsatellite stability in azoxymethane-induced colon tumors of BDIX/Orl lco rats. Comparative Medicine, 2003, 53, 633-8.	0.4	1
63	The usefulness of systematic reviews of animal studies: shooting the messenger. Paediatric Anaesthesia, 2016, 26, 852-853.	0.6	0