

Merel Ritskes-Hoitinga

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

3,316
citations

24
h-index

57
g-index

66
ext. papers

4,287
ext. citations

4.1
avg, IF

5.47
L-index

#	Paper	IF	Citations
61	SYRCLE ^B risk of bias tool for animal studies. <i>BMC Medical Research Methodology</i> , 2014 , 14, 43	4.7	1136
60	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. <i>ATLA Alternatives To Laboratory Animals</i> , 2010 , 38, 167-82	2.1	212
59	Enhancing search efficiency by means of a search filter for finding all studies on animal experimentation in PubMed. <i>Laboratory Animals</i> , 2010 , 44, 170-5	2.6	203
58	Association of multiple cellular stress pathways with accelerated atherosclerosis in hyperhomocysteinemic apolipoprotein E-deficient mice. <i>Circulation</i> , 2004 , 110, 207-13	16.7	171
57	Ischemic preconditioning in the animal kidney, a systematic review and meta-analysis. <i>PLoS ONE</i> , 2012 , 7, e32296	3.7	132
56	Is it possible to overcome issues of external validity in preclinical animal research? Why most animal models are bound to fail. <i>Journal of Translational Medicine</i> , 2018 , 16, 304	8.5	114
55	The effects of long-term omega-3 fatty acid supplementation on cognition and Alzheimer ^B pathology in animal models of Alzheimer ^B disease: a systematic review and meta-analysis. <i>Journal of Alzheimers Disease</i> , 2012 , 28, 191-209	4.3	108
54	A protocol format for the preparation, registration and publication of systematic reviews of animal intervention studies. <i>Evidence-based Preclinical Medicine</i> , 2015 , 2, e00007		107
53	A step-by-step guide to systematically identify all relevant animal studies. <i>Laboratory Animals</i> , 2012 , 46, 24-31	2.6	102
52	Meta-analyses of animal studies: an introduction of a valuable instrument to further improve healthcare. <i>ILAR Journal</i> , 2014 , 55, 418-26	1.7	85
51	A search filter for increasing the retrieval of animal studies in Embase. <i>Laboratory Animals</i> , 2011 , 45, 268-70	2.6	76
50	Updated version of the Embase search filter for animal studies. <i>Laboratory Animals</i> , 2014 , 48, 88	2.6	66
49	Animal to human translation: a systematic scoping review of reported concordance rates. <i>Journal of Translational Medicine</i> , 2019 , 17, 223	8.5	64
48	Effects of vitamin supplementation and hyperhomocysteinemia on atherosclerosis in apoE-deficient mice. <i>Atherosclerosis</i> , 2003 , 168, 255-62	3.1	58
47	Systematic reviews of animal studies; missing link in translational research?. <i>PLoS ONE</i> , 2014 , 9, e89981	3.7	53
46	Facilitating healthcare decisions by assessing the certainty in the evidence from preclinical animal studies. <i>PLoS ONE</i> , 2018 , 13, e0187271	3.7	51
45	The effects of probiotic supplementation on experimental acute pancreatitis: a systematic review and meta-analysis. <i>PLoS ONE</i> , 2012 , 7, e48811	3.7	46

44	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, 1259-60	8.6	37
43	Determinants of the Efficacy of Cardiac Ischemic Preconditioning: A Systematic Review and Meta-Analysis of Animal Studies. <i>PLoS ONE</i> , 2015 , 10, e0142021	3.7	32
42	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, 427-35	7.9	29
41	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	8	28
40	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	4.9	26
39	Improving animal research reporting standards: HARRP, the first step of a unified approach by ICLAS to improve animal research reporting standards worldwide. <i>EMBO Reports</i> , 2018 , 19,	6.5	24
38	A systematic review and meta-analysis of the protective effects of metformin in experimental myocardial infarction. <i>PLoS ONE</i> , 2017 , 12, e0183664	3.7	23
37	Can prospective systematic reviews of animal studies improve clinical translation?. <i>Journal of Translational Medicine</i> , 2020 , 18, 15	8.5	22
36	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	3.7	22
35	Tissue engineering in animal models for urinary diversion: a systematic review. <i>PLoS ONE</i> , 2014 , 9, e987347	3.7	18
34	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, 771-8	4.4	17
33	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	2.1	17
32	The impact of tail tip amputation and ink tattoo on C57BL/6JBomTac mice. <i>Laboratory Animals</i> , 2007 , 41, 19-29	2.6	17
31	A Systematic Review of the Modifying Effect of Anaesthetic Drugs on Metastasis in Animal Models for Cancer. <i>PLoS ONE</i> , 2016 , 11, e0156152	3.7	17
30	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, 429-47	2.1	15
29	S-adenosylmethionine and S-adenosylhomocysteine levels in the aging brain of APP/PS1 Alzheimer mice. <i>Neurological Sciences</i> , 2009 , 30, 439-45	3.5	13
28	Assessing the application of the 3Rs: a survey among animal welfare officers in The Netherlands. <i>Laboratory Animals</i> , 2013 , 47, 210-9	2.6	11
27	Introduction to the EQIPD quality system. <i>ELife</i> , 2021 , 10,	8.9	11

26	A systematic review of discomfort due to toe or ear clipping in laboratory rodents. <i>Laboratory Animals</i> , 2017 , 51, 583-600	2.6	9
25	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, 1303-8, table of contents	3.9	9
24	The evidence for the physiological effects of lactate on the cerebral microcirculation: a systematic review. <i>Journal of Neurochemistry</i> , 2019 , 148, 712-730	6	8
23	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	5.7	7
22	How Can Systematic Reviews Teach Us More about the Implementation of the 3Rs and Animal Welfare?. <i>Animals</i> , 2019 , 9,	3.1	7
21	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,	3.1	6
20	Reviewing the animal literature: how to describe and choose between different types of literature reviews. <i>Laboratory Animals</i> , 2021 , 55, 129-141	2.6	6
19	Comparative study of histopathologic characterization of azoxymethane-induced colon tumors in three inbred rat strains. <i>Comparative Medicine</i> , 2002 , 52, 50-7	1.6	6
18	Outcomes of a Dutch workshop on improvements for the 3Rs in daily practice. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012 , 29, 440-3	4.3	5
17	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	7.9	4
16	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	4.6	4
15	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	2.6	4
14	Evidence Synthesis International (ESI): Position Statement. <i>Systematic Reviews</i> , 2020 , 9, 155	3	3
13	Wistar rats do not show preference for either of two commonly used nutritionally sound food rewards in a T-maze. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2019 , 31, 22-27	1.9	2
12	Letter to the editor - round table unites to tackle culture change in an effort to improve animal research reporting. <i>BMC Veterinary Research</i> , 2017 , 13, 314	2.7	2
11	A health-based recommended occupational exposure limit for nitrous oxide using experimental animal data based on a systematic review and dose-response analysis. <i>Environmental Research</i> , 2021 , 201, 111575	7.9	2
10	Mechanical ventilation of mice under general anesthesia during experimental procedures. <i>Lab Animal</i> , 2013 , 42, 253-7	0.4	1
9	Clinical relevance assessment of animal preclinical research (RAA) tool: development and explanation. <i>PeerJ</i> , 2021 , 9, e10673	3.1	1

8	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	2.6	1
7	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	2.1	1
6	The impact of conducting preclinical systematic reviews on researchers and their research: A mixed method case study.. <i>PLoS ONE</i> , 2021 , 16, e0260619	3.7	1
5	The role of systematic reviews in identifying the limitations of preclinical animal research, 2000-2022: part 2. <i>Journal of the Royal Society of Medicine</i> , 2022 , 115, 231-235	2.3	1
4	Effects of sleep deprivation on maternal behaviour in animal models: A systematic review and meta-analysis. <i>Journal of Sleep Research</i> , 2021 , 30, e13333	5.8	0
3	Systematic Reviews 2021 , 213-261		0
2	The usefulness of systematic reviews of animal studies: shooting the messenger. <i>Paediatric Anaesthesia</i> , 2016 , 26, 852-3	1.8	
1	Analysis of beta-catenin, Ki-ras, and microsatellite stability in azoxymethane-induced colon tumors of BDIX/Orl Ico rats. <i>Comparative Medicine</i> , 2003 , 53, 633-8	1.6	