Merel Ritskes-Hoitinga

List of Publications by Year in Descending Order

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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	The role of systematic reviews in identifying the limitations of preclinical animal research, 20002022: part 2. *Journal of the Royal Society of Medicine*, **2022**, 115, 231-235	2.3	1
60	Effects of sleep deprivation on maternal behaviour in animal models: A systematic review and meta-analysis. *Journal of Sleep Research*, **2021**, 30, e13333	5.8	0
59	Introduction to the EQIPD quality system. *ELife*, **2021**, 10,	8.9	11
58	The MethodologicAl STandards for Epidemiological Research (MASTER) scale demonstrated a unified framework for bias assessment. *Journal of Clinical Epidemiology*, **2021**, 134, 52-64	5.7	7
57	Reviewing the animal literature: how to describe and choose between different types of literature reviews. *Laboratory Animals*, **2021**, 55, 129-141	2.6	6
56	Clinical relevance assessment of animal preclinical research (RAA) tool: development and explanation. *PeerJ*, **2021**, 9, e10673	3.1	1
55	Animal models for cystic fibrosis: a systematic search and mapping review of the literature. Part 2: nongenetic models. *Laboratory Animals*, **2021**, 55, 307-316	2.6	1
54	The Use of Artificial Intelligence for the Fast and Effective Identification of Three Rs-based Literature. *ATLA Alternatives To Laboratory Animals*, **2021**, 49, 133-136	2.1	1
53	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	7.9	2
52	Systematic Reviews **2021**, 213-261		0
51	The impact of conducting preclinical systematic reviews on researchers and their research: A mixed method case study.. *PLoS ONE*, **2021**, 16, e0260619	3.7	1
50	A Systematic Review Comparing Experimental Design of Animal and Human Methotrexate Efficacy Studies for Rheumatoid Arthritis: Lessons for the Translational Value of Animal Studies. *Animals*, **2020**, 10,	3.1	6
49	Can prospective systematic reviews of animal studies improve clinical translation?. *Journal of Translational Medicine*, **2020**, 18, 15	8.5	22
48	Evidence Synthesis International (ESI): Position Statement. *Systematic Reviews*, **2020**, 9, 155	3	3
47	Animal models for cystic fibrosis: A systematic search and mapping review of the literature - Part 1: genetic models. *Laboratory Animals*, **2020**, 54, 330-340	2.6	4
46	Establishing a health-based recommended occupational exposure limit for nitrous oxide using experimental animal data - A systematic review protocol. *Environmental Research*, **2019**, 178, 108711	7.9	4
45	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	1.9	2

44	Animal to human translation: a systematic scoping review of reported concordance rates. *Journal of Translational Medicine*, **2019**, 17, 223	8.5	64
43	How Can Systematic Reviews Teach Us More about the Implementation of the 3Rs and Animal Welfare?. *Animals*, **2019**, 9,	3.1	7
42	The evidence for the physiological effects of lactate on the cerebral microcirculation: a systematic review. *Journal of Neurochemistry*, **2019**, 148, 712-730	6	8
41	Improving animal research reporting standards: HARRP, the first step of a unified approach by ICLAS to improve animal research reporting standards worldwide. *EMBO Reports*, **2018**, 19,	6.5	24
40	Effects of experimental sleep deprivation on aggressive, sexual and maternal behaviour in animals: a systematic review protocol.. *BMJ Open Science*, **2018**, 2, e000041	4.6	4
39	Facilitating healthcare decisions by assessing the certainty in the evidence from preclinical animal studies. *PLoS ONE*, **2018**, 13, e0187271	3.7	51
38	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	8.5	114
37	A systematic review of discomfort due to toe or ear clipping in laboratory rodents. *Laboratory Animals*, **2017**, 51, 583-600	2.6	9
36	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	2.7	2
35	A systematic review and meta-analysis of the protective effects of metformin in experimental myocardial infarction. *PLoS ONE*, **2017**, 12, e0183664	3.7	23
34	A Systematic Review of the Modifying Effect of Anaesthetic Drugs on Metastasis in Animal Models for Cancer. *PLoS ONE*, **2016**, 11, e0156152	3.7	17
33	Preclinical Evidence for the Efficacy of Ischemic Postconditioning against Renal Ischemia-Reperfusion Injury, a Systematic Review and Meta-Analysis. *PLoS ONE*, **2016**, 11, e0150863	3.7	22
32	The usefulness of systematic reviews of animal studies: shooting the messenger. *Paediatric Anaesthesia*, **2016**, 26, 852-3	1.8	
31	The potential of tissue engineering for developing alternatives to animal experiments: a systematic review. *Journal of Tissue Engineering and Regenerative Medicine*, **2015**, 9, 771-8	4.4	17
30	A protocol format for the preparation, registration and publication of systematic reviews of animal intervention studies. *Evidence-based Preclinical Medicine*, **2015**, 2, e00007		107
29	A combined pre-clinical meta-analysis and randomized confirmatory trial approach to improve data validity for therapeutic target validation. *Scientific Reports*, **2015**, 5, 13428	4.9	26
28	A systematic review and meta-analysis of the ability of analgesic drugs to reduce metastasis in experimental cancer models. *Pain*, **2015**, 156, 1835-1844	8	28
27	Determinants of the Efficacy of Cardiac Ischemic Preconditioning: A Systematic Review and Meta-Analysis of Animal Studies. *PLoS ONE*, **2015**, 10, e0142021	3.7	32

26	SYRCLE's risk of bias tool for animal studies. *BMC Medical Research Methodology*, **2014**, 14, 43	4.7	1136
25	Systematic reviews of animal studies; missing link in translational research?. *PLoS ONE*, **2014**, 9, e89981	3.7	53
24	Tissue engineering in animal models for urinary diversion: a systematic review. *PLoS ONE*, **2014**, 9, e98734	3.7	18
23	Meta-analyses of animal studies: an introduction of a valuable instrument to further improve healthcare. *ILAR Journal*, **2014**, 55, 418-26	1.7	85
22	Updated version of the Embase search filter for animal studies. *Laboratory Animals*, **2014**, 48, 88	2.6	66
21	Assessing the application of the 3Rs: a survey among animal welfare officers in The Netherlands. *Laboratory Animals*, **2013**, 47, 210-9	2.6	11
20	Mechanical ventilation of mice under general anesthesia during experimental procedures. *Lab Animal*, **2013**, 42, 253-7	0.4	1
19	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. *Tissue Engineering - Part B: Reviews*, **2012**, 18, 427-35	7.9	29
18	A step-by-step guide to systematically identify all relevant animal studies. *Laboratory Animals*, **2012** , 46, 24-31	2.6	102
17	Ischemic preconditioning in the animal kidney, a systematic review and meta-analysis. *PLoS ONE*, **2012**, 7, e32296	3.7	132
16	The effects of probiotic supplementation on experimental acute pancreatitis: a systematic review and meta-analysis. *PLoS ONE*, **2012**, 7, e48811	3.7	46
15	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	4.3	108
14	Outcomes of a Dutch workshop on improvements for the 3Rs in daily practice. *ALTEX: Alternatives To Animal Experimentation*, **2012**, 29, 440-3	4.3	5
13	Assessing the search for information on Three Rs methods, and their subsequent implementation: a national survey among scientists in the Netherlands. *ATLA Alternatives To Laboratory Animals*, **2011**, 39, 429-47	2.1	15
12	Improving planning, design, reporting and scientific quality of animal experiments by using the Gold Standard Publication Checklist, in addition to the ARRIVE guidelines. *British Journal of Pharmacology*, **2011**, 162, 1259-60	8.6	37
11	A search filter for increasing the retrieval of animal studies in Embase. *Laboratory Animals*, **2011**, 45, 268-70	2.6	76
10	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, 167-82	2.1	212
9	Enhancing search efficiency by means of a search filter for finding all studies on animal experimentation in PubMed. *Laboratory Animals*, **2010**, 44, 170-5	2.6	203

8	S-adenosylmethionine and S-adenosylhomocysteine levels in the aging brain of APP/PS1 Alzheimer mice. *Neurological Sciences*, **2009**, 30, 439-45	3.5	13
7	Assessing the search for and implementation of the Three Rs: a survey among scientists. *ATLA Alternatives To Laboratory Animals*, **2009**, 37, 297-303	2.1	17
6	Suppression of noxious-induced c-fos expression in the rat lumbar spinal cord by isoflurane alone or combined with fentanyl. *Anesthesia and Analgesia*, **2008**, 106, 1303-8, table of contents	3.9	9
5	The impact of tail tip amputation and ink tattoo on C57BL/6JBomTac mice. *Laboratory Animals*, **2007**, 41, 19-29	2.6	17
4	Association of multiple cellular stress pathways with accelerated atherosclerosis in hyperhomocysteinemic apolipoprotein E-deficient mice. *Circulation*, **2004**, 110, 207-13	16.7	171
3	Effects of vitamin supplementation and hyperhomocysteinemia on atherosclerosis in apoE-deficient mice. *Atherosclerosis*, **2003**, 168, 255-62	3.1	58
2	Analysis of beta-catenin, Ki-ras, and microsatellite stability in azoxymethane-induced colon tumors of BDIX/Orl Ico rats. *Comparative Medicine*, **2003**, 53, 633-8	1.6	
1	Comparative study of histopathologic characterization of azoxymethane-induced colon tumors in three inbred rat strains. *Comparative Medicine*, **2002**, 52, 50-7	1.6	6