Emily S Sena

List of Publications by Year
in descending order

75 papers	16,896 citations	50276 46 h-index	74163 75 g-index
86 all docs	86 docs citations	86 times ranked	19882 citing authors

#	Article	IF	Citations
1	Systematic review and meta-analysis of studies in which burrowing behaviour was assessed in rodent models of disease-associated persistent pain. Pain, 2022, 163, 2076-2102.	4.2	6
2	Insights into therapeutic products, preclinical research models, and clinical trials in cardiac regenerative and reparative medicine: where are we now and the way ahead. Current opinion paper of the ESC Working Group on Cardiovascular Regenerative and Reparative Medicine. Cardiovascular Research, 2021, 117, 1428-1433.	3.8	20
3	A protocol for the systematic review and meta-analysis of thigmotactic behaviour in the open field test in rodent models associated with persistent pain. BMJ Open Science, 2021, 5, e100135.	1.7	2
4	Development and uptake of an online systematic review platform: the early years of the CAMARADES Systematic Review Facility (SyRF). BMJ Open Science, 2021, 5, e100103.	1.7	25
5	Building a Systematic Online Living Evidence Summary of COVID-19 Research. Journal of the European Association for Health Information and Libraries, 2021, 17, 21-26.	0.2	1
6	Using median survival in meta-analysis of experimental time-to-event data. Systematic Reviews, 2021, 10, 292.	5.3	2
7	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. BMC Veterinary Research, 2020, 16, 242.	1.9	136
8	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. PLoS Biology, 2020, 18, e3000410.	5.6	2,209
9	Reporting animal research: Explanation and elaboration for the ARRIVE guidelines 2.0. PLoS Biology, 2020, 18, e3000411.	5.6	1,069
10	The ARRIVE guidelines 2.0: updated guidelines for reporting animal research. Journal of Physiology, 2020, 598, 3793-3801.	2.9	177
11	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. Experimental Physiology, 2020, 105, 1459-1466.	2.0	1,300
12	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research*. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1769-1777.	4.3	546
13	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. British Journal of Pharmacology, 2020, 177, 3617-3624.	5.4	326
14	The ARRIVE guidelines 2.0: updated guidelines for reporting animal researchThe ARRIVE guidelines 2.0: updated guidelines for reporting animal research. BMJ Open Science, 2020, 44, e100115.	1.7	114
15	Outcome heterogeneity and bias in acute experimental spinal cord injury. Neurology, 2019, 93, e40-e51.	1.1	24
16	A randomised controlled trial of an Intervention to Improve Compliance with the ARRIVE guidelines (IICARus). Research Integrity and Peer Review, 2019, 4, 12.	5.2	106
17	Animal models of chemotherapy-induced peripheral neuropathy: A machine-assisted systematic review and meta-analysis. PLoS Biology, 2019, 17, e3000243.	5.6	53
18	Design of Meta-Analysis Studies. Handbook of Experimental Pharmacology, 2019, 257, 299-317.	1.8	4

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19	Identifying stroke therapeutics from preclinical models: A protocol for a novel application of network meta-analysis. F1000Research, 2019, 8, 11.	1.6	7
20	Inaugural editorial: advancing preclinical and translational research of relevance to medicine. BMJ Open Science, 2018, 1, eined.	1.7	2
21	Revision of the ARRIVE guidelines: rationale and scope. BMJ Open Science, 2018, 2, e000002.	1.7	36
22	Reproducibility of preclinical animal research improves with heterogeneity of study samples. PLoS Biology, 2018, 16, e2003693.	5.6	186
23	Facilitating healthcare decisions by assessing the certainty in the evidence from preclinical animal studies. PLoS ONE, 2018, 13, e0187271.	2.5	87
24	Optimization of large animal MI models; a systematic analysis of control groups from preclinical studies. Scientific Reports, 2017, 7, 14218.	3.3	8
25	Risk of bias reporting in the recent animal focal cerebral ischaemia literature. Clinical Science, 2017, 131, 2525-2532.	4.3	26
26	The IMPROVE Guidelines (Ischaemia Models: Procedural Refinements Of in Vivo Experiments). Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3488-3517.	4.3	128
27	Standardized mean differences cause funnel plot distortion in publication bias assessments. ELife, 2017, 6, .	6.0	131
28	Ensuring transparency and minimization of methodologic bias in preclinical pain research. Pain, 2016, 157, 901-909.	4.2	70
29	From a mouse: systematic analysis reveals limitations of experiments testing interventions in Alzheimer's disease mouse models. Evidence-based Preclinical Medicine, 2016, 3, 12-23.	0.9	34
30	Systematic Review and Meta-Analysis of the Efficacy of Interleukin-1 Receptor Antagonist in Animal Models of Stroke: an Update. Translational Stroke Research, 2016, 7, 395-406.	4.2	64
31	Cardiac Stem Cell Treatment in Myocardial Infarction. Circulation Research, 2016, 118, 1223-1232.	4.5	138
32	Translational failure of anti-inflammatory compounds for myocardial infarction: a meta-analysis of large animal models. Cardiovascular Research, 2016, 109, 240-248.	3.8	31
33	Olfactory Ensheathing Cell Transplantation in Experimental Spinal Cord Injury: Effect size and Reporting Bias of 62 Experimental Treatments: A Systematic Review and Meta-Analysis. PLoS Biology, 2016, 14, e1002468.	5.6	70
34	Multicenter Evaluation of Geometric Accuracy of MRI Protocols Used in Experimental Stroke. PLoS ONE, 2016, 11, e0162545.	2.5	6
35	The development of an online database for interventions tested in transgenic mouse models of Alzheimer's disease. Evidence-based Preclinical Medicine, 2015, 2, 20-26.	0.9	5
36	Risk of Bias in Reports of In Vivo Research: A Focus for Improvement. PLoS Biology, 2015, 13, e1002273.	5.6	240

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37	Effects of MVA85A vaccine on tuberculosis challenge in animals: systematic review. International Journal of Epidemiology, 2015, 44, 1970-1981.	1.9	35
38	Magnetic Resonance Imaging in Experimental Stroke and Comparison With Histology. Stroke, 2015, 46, 843-851.	2.0	37
39	Pharmacotherapy for neuropathic pain in adults: a systematic review and meta-analysis. Lancet Neurology, The, 2015, 14, 162-173.	10.2	2,776
40	Drug Repurposing: A Systematic Approach to Evaluate Candidate Oral Neuroprotective Interventions for Secondary Progressive Multiple Sclerosis. PLoS ONE, 2015, 10, e0117705.	2.5	50
41	Determinants of the Efficacy of Cardiac Ischemic Preconditioning: A Systematic Review and Meta-Analysis of Animal Studies. PLoS ONE, 2015, 10, e0142021.	2.5	36
42	The Missing Medians: Exclusion of Ordinal Data from Meta-Analyses. PLoS ONE, 2015, 10, e0145580.	2.5	8
43	Exercise Reduces Infarct Volume and Facilitates Neurobehavioral Recovery. Neurorehabilitation and Neural Repair, 2014, 28, 800-812.	2.9	43
44	Effect and Reporting Bias of RhoA/ROCK-Blockade Intervention on Locomotor Recovery After Spinal Cord Injury. JAMA Neurology, 2014, 71, 91.	9.0	80
45	Bringing rigour to translational medicine. Nature Reviews Neurology, 2014, 10, 37-43.	10.1	107
46	Incidence, prevalence, and predictors of chemotherapy-induced peripheral neuropathy: A systematic review and meta-analysis. Pain, 2014, 155, 2461-2470.	4.2	1,006
47	The Usefulness of Systematic Reviews of Animal Experiments for the Design of Preclinical and Clinical Studies. ILAR Journal, 2014, 55, 427-437.	1.8	124
48	Meta-analysis of data from animal studies: A practical guide. Journal of Neuroscience Methods, 2014, 221, 92-102.	2.5	372
49	Edaravone Improves Functional and Structural Outcomes in Animal Models of Focal Cerebral Ischemia: A Systematic Review. International Journal of Stroke, 2014, 9, 101-106.	5.9	28
50	Efficacy of Antidepressants in Animal Models of Ischemic Stroke. Stroke, 2014, 45, 3055-3063.	2.0	65
51	Systematic Reviews and Meta-Analysis of Preclinical Studies: Why Perform Them and How to Appraise Them Critically. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 737-742.	4.3	209
52	Using Animal Models to Understand Cancer Pain in Humans. Current Pain and Headache Reports, 2014, 18, 423.	2.9	13
53	The Benefit of Hypothermia in Experimental Ischemic Stroke is Not Affected by Pethidine. International Journal of Stroke, 2013, 8, 180-185.	5.9	13
54	Systematic review and stratified meta-analysis of the efficacy of RhoA and Rho kinase inhibitors in animal models of ischaemic stroke. Systematic Reviews, 2013, 2, 33.	5.3	43

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55	Transparency in the reporting of in vivo pre-clinical pain research: The relevance and implications of the ARRIVE (Animal Research: Reporting In Vivo Experiments) guidelines. Scandinavian Journal of Pain, 2013, 4, 58-62.	1.3	35
56	Animal models of bone cancer pain: Systematic review and meta-analyses. Pain, 2013, 154, 917-926.	4.2	117
57	Stem Cell Transplantation in Traumatic Spinal Cord Injury: A Systematic Review and Meta-Analysis of Animal Studies. PLoS Biology, 2013, 11, e1001738.	5.6	107
58	Evaluation of Excess Significance Bias in Animal Studies of Neurological Diseases. PLoS Biology, 2013, 11, e1001609.	5.6	248
59	Meta-Analysis of Pre-Clinical Studies of Early Decompression in Acute Spinal Cord Injury: A Battle of Time and Pressure. PLoS ONE, 2013, 8, e72659.	2.5	81
60	Systematic Review and Meta-Analysis of Therapeutic Hypothermia in Animal Models of Spinal Cord Injury. PLoS ONE, 2013, 8, e71317.	2.5	48
61	Improving the Efficiency of the Development of Drugs for Stroke. International Journal of Stroke, 2012, 7, 371-377.	5.9	46
62	Dopamine agonists in animal models of Parkinson's disease: A systematic review and meta-analysis. Parkinsonism and Related Disorders, 2011, 17, 313-320.	2.2	72
63	Treatment of intracerebral hemorrhage in animal models: Meta-analysis. Annals of Neurology, 2011, 69, 389-399.	5.3	58
64	A Systematic Review and Meta-Analysis of Erythropoietin in Experimental Stroke. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 961-968.	4.3	99
65	Factors Affecting the Apparent Efficacy and Safety of Tissue Plasminogen Activator in Thrombotic Occlusion Models of Stroke: Systematic Review and Meta-Analysis. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1905-1913.	4.3	96
66	Can Animal Models of Disease Reliably Inform Human Studies?. PLoS Medicine, 2010, 7, e1000245.	8.4	1,026
67	Publication Bias in Reports of Animal Stroke Studies Leads to Major Overstatement of Efficacy. PLoS Biology, 2010, 8, e1000344.	5.6	478
68	Improving the translational hit of experimental treatments in multiple sclerosis. Multiple Sclerosis Journal, 2010, 16, 1044-1055.	3.0	153
69	Good Laboratory Practice. Stroke, 2009, 40, 221-3.	2.0	292
70	Systematic Review and Stratified Meta-analysis of the Efficacy of Interleukin-1 Receptor Antagonist in Animal Models of Stroke. Journal of Stroke and Cerebrovascular Diseases, 2009, 18, 269-276.	1.6	105
71	Empirical Evidence of Bias in the Design of Experimental Stroke Studies. Stroke, 2008, 39, 929-934.	2.0	214
72	Evidence for the Efficacy of NXY-059 in Experimental Focal Cerebral Ischaemia Is Confounded by Study Quality. Stroke, 2008, 39, 2824-2829.	2.0	279

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73	Hypothermia in animal models of acute ischaemic stroke: a systematic review and meta-analysis. Brain, 2007, 130, 3063-3074.	7.6	413
74	Systematic Review and Meta-Analysis of the Efficacy of Tirilazad in Experimental Stroke. Stroke, 2007, 38, 388-394.	2.0	81
75	How can we improve the pre-clinical development of drugs for stroke?. Trends in Neurosciences, 2007, 30, 433-439.	8.6	322