

Malcolm R Macleod

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.

262
papers

36,477
citations

78
h-index

190
g-index

299
ext. papers

44,334
ext. citations

10.7
avg, IF


7.2
L-index

#	Paper	IF	Citations
262	Rivaroxaban versus warfarin in nonvalvular atrial fibrillation. <i>New England Journal of Medicine</i> , 2011 , 365, 883-91	59.2	6302
261	Edoxaban versus warfarin in patients with atrial fibrillation. <i>New England Journal of Medicine</i> , 2013 , 369, 2093-104	59.2	3215
260	Stroke. <i>Lancet, The</i> , 2008 , 371, 1612-23	40	1852
259	1,026 experimental treatments in acute stroke. <i>Annals of Neurology</i> , 2006 , 59, 467-77	9.4	1049
258	Update of the stroke therapy academic industry roundtable preclinical recommendations. <i>Stroke</i> , 2009 , 40, 2244-50	6.7	948
257	Increasing value and reducing waste in research design, conduct, and analysis. <i>Lancet, The</i> , 2014 , 383, 166-75	40	870
256	The benefits and harms of intravenous thrombolysis with recombinant tissue plasminogen activator within 6 h of acute ischaemic stroke (the third international stroke trial [IST-3]): a randomised controlled trial. <i>Lancet, The</i> , 2012 , 379, 2352-63	40	841
255	Can animal models of disease reliably inform human studies?. <i>PLoS Medicine</i> , 2010 , 7, e1000245	11.6	803
254	A call for transparent reporting to optimize the predictive value of preclinical research. <i>Nature</i> , 2012 , 490, 187-91	50.4	795
253	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>PLoS Biology</i> , 2020 , 18, e3000410	9.7	757
252	Vorapaxar in the secondary prevention of atherothrombotic events. <i>New England Journal of Medicine</i> , 2012 , 366, 1404-13	59.2	694
251	Surgical decompression for space-occupying cerebral infarction (the Hemicraniectomy After Middle Cerebral Artery infarction with Life-threatening Edema Trial [HAMLET]): a multicentre, open, randomised trial. <i>Lancet Neurology, The</i> , 2009 , 8, 326-33	24.1	653
250	Incidence, prevalence, and predictors of chemotherapy-induced peripheral neuropathy: A systematic review and meta-analysis. <i>Pain</i> , 2014 , 155, 2461-2470	8	651
249	Neurological and neuropsychiatric complications of COVID-19 in 153 patients: a UK-wide surveillance study. <i>Lancet Psychiatry, the</i> , 2020 , 7, 875-882	23.3	615
248	Biomedical research: increasing value, reducing waste. <i>Lancet, The</i> , 2014 , 383, 101-4	40	527
247	Comparison of treatment effects between animal experiments and clinical trials: systematic review. <i>BMJ, The</i> , 2007 , 334, 197	5.9	487
246	Efficacy and safety of very early mobilisation within 24 h of stroke onset (AVERT): a randomised controlled trial. <i>Lancet, The</i> , 2015 , 386, 46-55	40	440

245	Pooling of animal experimental data reveals influence of study design and publication bias. <i>Stroke</i> , 2004 , 35, 1203-8	6.7	399
244	General anaesthesia versus local anaesthesia for carotid surgery (GALA): a multicentre, randomised controlled trial. <i>Lancet, The</i> , 2008 , 372, 2132-42	4.0	395
243	Publication bias in reports of animal stroke studies leads to major overstatement of efficacy. <i>PLoS Biology</i> , 2010 , 8, e1000344	9.7	380
242	Hypothermia in animal models of acute ischaemic stroke: a systematic review and meta-analysis. <i>Brain</i> , 2007 , 130, 3063-74	11.2	355
241	Reporting animal research: Explanation and elaboration for the ARRIVE guidelines 2.0. <i>PLoS Biology</i> , 2020 , 18, e3000411	9.7	352
240	Effectiveness of thigh-length graduated compression stockings to reduce the risk of deep vein thrombosis after stroke (CLOTS trial 1): a multicentre, randomised controlled trial. <i>Lancet, The</i> , 2009 , 373, 1958-65	4.0	340
239	Antiplatelet treatment compared with anticoagulation treatment for cervical artery dissection (CADISS): a randomised trial. <i>Lancet Neurology, The</i> , 2015 , 14, 361-7	24.1	330
238	Ischaemic stroke. <i>Nature Reviews Disease Primers</i> , 2019 , 5, 70	51.1	322
237	Efficacy and safety of rivaroxaban compared with warfarin among elderly patients with nonvalvular atrial fibrillation in the Rivaroxaban Once Daily, Oral, Direct Factor Xa Inhibition Compared With Vitamin K Antagonism for Prevention of Stroke and Embolism Trial in Atrial Fibrillation (ROCKET AF). <i>Circulation</i> , 2014 , 130, 138-46	16.7	281
236	Increasing value and reducing waste in biomedical research regulation and management. <i>Lancet, The</i> , 2014 , 383, 176-85	4.0	281
235	How can we improve the pre-clinical development of drugs for stroke?. <i>Trends in Neurosciences</i> , 2007 , 30, 433-9	13.3	267
234	Rivaroxaban compared with warfarin in patients with atrial fibrillation and previous stroke or transient ischaemic attack: a subgroup analysis of ROCKET AF. <i>Lancet Neurology, The</i> , 2012 , 11, 315-22	24.1	252
233	Meta-analysis of data from animal studies: a practical guide. <i>Journal of Neuroscience Methods</i> , 2014 , 221, 92-102	3	250
232	Evidence for the efficacy of NXY-059 in experimental focal cerebral ischaemia is confounded by study quality. <i>Stroke</i> , 2008 , 39, 2824-9	6.7	241
231	Reprint: Good laboratory practice: preventing introduction of bias at the bench. <i>Stroke</i> , 2009 , 29, 221-3	6.7	236
230	Effectiveness of intermittent pneumatic compression in reduction of risk of deep vein thrombosis in patients who have had a stroke (CLOTS 3): a multicentre randomised controlled trial. <i>Lancet, The</i> , 2013 , 382, 516-24	4.0	228
229	B vitamins in patients with recent transient ischaemic attack or stroke in the VITamins TO Prevent Stroke (VITATOPS) trial: a randomised, double-blind, parallel, placebo-controlled trial. <i>Lancet Neurology, The</i> , 2010 , 9, 855-65	24.1	228
228	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 1769-1777	7.3	220

227	Different strokes for different folks: the rich diversity of animal models of focal cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1412-31	7.3	212
226	Living systematic review: 1. Introduction-the why, what, when, and how. <i>Journal of Clinical Epidemiology</i> , 2017 , 91, 23-30	5.7	211
225	Extending thrombolysis to 4.5-9 h and wake-up stroke using perfusion imaging: a systematic review and meta-analysis of individual patient data. <i>Lancet, The</i> , 2019 , 394, 139-147	4.0	194
224	Empirical evidence of bias in the design of experimental stroke studies: a metaepidemiologic approach. <i>Stroke</i> , 2008 , 39, 929-34	6.7	185
223	Evaluation of excess significance bias in animal studies of neurological diseases. <i>PLoS Biology</i> , 2013 , 11, e1001609	9.7	184
222	Untreated clinical course of cerebral cavernous malformations: a prospective, population-based cohort study. <i>Lancet Neurology, The</i> , 2012 , 11, 217-24	24.1	180
221	Prevalence and natural history of pain in adults with multiple sclerosis: systematic review and meta-analysis. <i>Pain</i> , 2013 , 154, 632-642	8	169
220	Risk of Bias in Reports of In Vivo Research: A Focus for Improvement. <i>PLoS Biology</i> , 2015 , 13, e1002273	9.7	160
219	Outcome after conservative management or intervention for unruptured brain arteriovenous malformations. <i>JAMA - Journal of the American Medical Association</i> , 2014 , 311, 1661-9	27.4	160
218	Terutroban versus aspirin in patients with cerebral ischaemic events (PERFORM): a randomised, double-blind, parallel-group trial. <i>Lancet, The</i> , 2011 , 377, 2013-22	4.0	159
217	Systematic reviews and meta-analysis of preclinical studies: why perform them and how to appraise them critically. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 737-42	7.3	156
216	Living systematic reviews: 2. Combining human and machine effort. <i>Journal of Clinical Epidemiology</i> , 2017 , 91, 31-37	5.7	156
215	Results of a multicentre, randomised controlled trial of intra-arterial urokinase in the treatment of acute posterior circulation ischaemic stroke. <i>Cerebrovascular Diseases</i> , 2005 , 20, 12-7	3.2	153
214	Therapeutic hypothermia for acute ischemic stroke: ready to start large randomized trials?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1079-93	7.3	151
213	Effects of fluoxetine on functional outcomes after acute stroke (FOCUS): a pragmatic, double-blind, randomised, controlled trial. <i>Lancet, The</i> , 2019 , 393, 265-274	4.0	145
212	Systematic review and metaanalysis of the efficacy of FK506 in experimental stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 713-21	7.3	144
211	Clopidogrel plus aspirin versus warfarin in patients with stroke and aortic arch plaques. <i>Stroke</i> , 2014 , 45, 1248-57	6.7	143
210	Improving the translational hit of experimental treatments in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2010 , 16, 1044-55	5	121

209	Therapeutic hypothermia and the risk of infection: a systematic review and meta-analysis. <i>Critical Care Medicine</i> , 2014 , 42, 231-42	1.4	120
208	Forebrain mineralocorticoid receptor overexpression enhances memory, reduces anxiety and attenuates neuronal loss in cerebral ischaemia. <i>European Journal of Neuroscience</i> , 2007 , 25, 1832-42	3.5	117
207	Cardiac Stem Cell Treatment in Myocardial Infarction: A Systematic Review and Meta-Analysis of Preclinical Studies. <i>Circulation Research</i> , 2016 , 118, 1223-32	15.7	112
206	Caspase 6 activity initiates caspase 3 activation in cerebellar granule cell apoptosis. <i>Cell Death and Differentiation</i> , 2000 , 7, 984-93	12.7	108
205	Systematic review and meta-analysis of the efficacy of melatonin in experimental stroke. <i>Journal of Pineal Research</i> , 2005 , 38, 35-41	10.4	106
204	Stem cell-based therapy for experimental stroke: a systematic review and meta-analysis. <i>International Journal of Stroke</i> , 2012 , 7, 582-8	6.3	104
203	EuroHYP-1: European multicenter, randomized, phase III clinical trial of therapeutic hypothermia plus best medical treatment vs. best medical treatment alone for acute ischemic stroke. <i>International Journal of Stroke</i> , 2014 , 9, 642-5	6.3	103
202	Animal models of bone cancer pain: systematic review and meta-analyses. <i>Pain</i> , 2013 , 154, 917-26	8	99
201	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>British Journal of Pharmacology</i> , 2020 , 177, 3617-3624	8.6	99
200	Influence of intracerebral hemorrhage location on incidence, characteristics, and outcome: population-based study. <i>Stroke</i> , 2015 , 46, 361-8	6.7	98
199	Outcome after interventional or conservative management of unruptured brain arteriovenous malformations: a prospective, population-based cohort study. <i>Lancet Neurology</i> , 2008 , 7, 223-30	24.1	98
198	A systematic review and meta-analysis of erythropoietin in experimental stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 961-8	7.3	92
197	Stem cell transplantation in traumatic spinal cord injury: a systematic review and meta-analysis of animal studies. <i>PLoS Biology</i> , 2013 , 11, e1001738	9.7	90
196	Factors affecting the apparent efficacy and safety of tissue plasminogen activator in thrombotic occlusion models of stroke: systematic review and meta-analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1905-13	7.3	88
195	Atheroma of the aortic arch: an important and poorly recognised factor in the aetiology of stroke. <i>Lancet Neurology</i> , 2004 , 3, 408-14	24.1	88
194	Bringing rigour to translational medicine. <i>Nature Reviews Neurology</i> , 2014 , 10, 37-43	15	87
193	Systematic review and stratified meta-analysis of the efficacy of interleukin-1 receptor antagonist in animal models of stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2009 , 18, 269-76	2.8	83
192	Standardized mean differences cause funnel plot distortion in publication bias assessments. <i>ELife</i> , 2017 , 6,	8.9	83

191	Living systematic reviews: 4. Living guideline recommendations. <i>Journal of Clinical Epidemiology</i> , 2017 , 91, 47-53	5.7	81
190	A concerted appeal for international cooperation in preclinical stroke research. <i>Stroke</i> , 2013 , 44, 1754-60	6.7	81
189	Model of understanding fatigue after stroke. <i>Stroke</i> , 2015 , 46, 893-8	6.7	79
188	EBRNetwork  call to action for evidence-based research. <i>Trials</i> , 2015 , 16,	2.8	78
187	Similar effect of autologous and allogeneic cell therapy for ischemic heart disease: systematic review and meta-analysis of large animal studies. <i>Circulation Research</i> , 2015 , 116, 80-6	15.7	76
186	Systematic review and meta-analysis of the efficacy of tirilazad in experimental stroke. <i>Stroke</i> , 2007 , 38, 388-94	6.7	76
185	End-of-life decisions in patients with severe acute brain injury. <i>Lancet Neurology</i> , 2014 , 13, 515-24	24.1	74
184	Living systematic reviews: 3. Statistical methods for updating meta-analyses. <i>Journal of Clinical Epidemiology</i> , 2017 , 91, 38-46	5.7	74
183	The IMPROVE Guidelines (Ischaemia Models: Procedural Refinements Of in Vivo Experiments). <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 3488-3517	7.3	74
182	SWIFT-Review: a text-mining workbench for systematic review. <i>Systematic Reviews</i> , 2016 , 5, 87	3	74
181	A proposed framework for the systematic review and integrated assessment (SYRINA) of endocrine disrupting chemicals. <i>Environmental Health</i> , 2016 , 15, 74	6	70
180	Systematic review and meta-analysis of temozolomide in animal models of glioma: was clinical efficacy predicted?. <i>British Journal of Cancer</i> , 2013 , 108, 64-71	8.7	69
179	Effect and reporting bias of RhoA/ROCK-blockade intervention on locomotor recovery after spinal cord injury: a systematic review and meta-analysis. <i>JAMA Neurology</i> , 2014 , 71, 91-9	17.2	66
178	Hemicraniectomy after middle cerebral artery infarction with life-threatening Edema trial (HAMLET). Protocol for a randomised controlled trial of decompressive surgery in space-occupying hemispheric infarction. <i>Trials</i> , 2006 , 7, 29	2.8	65
177	The Devil Is in the Details: Incomplete Reporting in Preclinical Animal Research. <i>PLoS ONE</i> , 2016 , 11, e0166733	6.7	65
176	Meta-analysis of pre-clinical studies of early decompression in acute spinal cord injury: a battle of time and pressure. <i>PLoS ONE</i> , 2013 , 8, e72659	3.7	64
175	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	6.1	61
174	Dopamine agonists in animal models of Parkinson disease: a systematic review and meta-analysis. <i>Parkinsonism and Related Disorders</i> , 2011 , 17, 313-20	3.6	61

173	Greater incidence of both fatal and nonfatal strokes in disadvantaged areas: the Northeast Melbourne Stroke Incidence Study. <i>Stroke</i> , 2006 , 37, 877-82	6.7	61
172	Olfactory Ensheathing Cell Transplantation in Experimental Spinal Cord Injury: Effect size and Reporting Bias of 62 Experimental Treatments: A Systematic Review and Meta-Analysis. <i>PLoS Biology</i> , 2016 , 14, e1002468	9.7	60
171	Preclinical drug evaluation for combination therapy in acute stroke using systematic review, meta-analysis, and subsequent experimental testing. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 962-75	7.3	58
170	Antiplatelet therapy and the effects of B vitamins in patients with previous stroke or transient ischaemic attack: a post-hoc subanalysis of VITATOPS, a randomised, placebo-controlled trial. <i>Lancet Neurology</i> , 2012 , 11, 512-20	24.1	57
169	Rationale and design of a randomized, double-blind, parallel-group study of terutroban 30 mg/day versus aspirin 100 mg/day in stroke patients: the prevention of cerebrovascular and cardiovascular events of ischemic origin with terutroban in patients with a history of ischemic stroke or transient ischemic attack (PERFORM) study. <i>Cerebrovascular Diseases</i> , 2009 , 27, 509-18	3.2	57
168	Evaluating mesenchymal stem cell therapy for sepsis with preclinical meta-analyses prior to initiating a first-in-human trial. <i>ELife</i> , 2016 , 5,	8.9	56
167	Efficacy of antidepressants in animal models of ischemic stroke: a systematic review and meta-analysis. <i>Stroke</i> , 2014 , 45, 3055-63	6.7	53
166	Stroke research at a road block: the streets from adversity should be paved with meta-analysis and good laboratory practice. <i>British Journal of Pharmacology</i> , 2009 , 157, 1154-6	8.6	53
165	Emulating multicentre clinical stroke trials: a new paradigm for studying novel interventions in experimental models of stroke. <i>International Journal of Stroke</i> , 2009 , 4, 471-9	6.3	52
164	D-galactose-induced brain ageing model: A systematic review and meta-analysis on cognitive outcomes and oxidative stress indices. <i>PLoS ONE</i> , 2017 , 12, e0184122	3.7	52
163	Psychological associations of poststroke fatigue: a systematic review and meta-analysis. <i>Stroke</i> , 2014 , 45, 1778-83	6.7	51
162	Treatment of intracerebral hemorrhage in animal models: meta-analysis. <i>Annals of Neurology</i> , 2011 , 69, 389-99	9.4	51
161	Facilitating healthcare decisions by assessing the certainty in the evidence from preclinical animal studies. <i>PLoS ONE</i> , 2018 , 13, e0187271	3.7	51
160	Reprint: Good Laboratory Practice: Preventing Introduction of Bias at the Bench. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 221-223	7.3	50
159	Systematic Review and Meta-Analysis of the Efficacy of Interleukin-1 Receptor Antagonist in Animal Models of Stroke: an Update. <i>Translational Stroke Research</i> , 2016 , 7, 395-406	7.8	48
158	Interventions for post-stroke fatigue. <i>The Cochrane Library</i> , 2015 , CD007030	5.2	46
157	Machine learning algorithms for systematic review: reducing workload in a preclinical review of animal studies and reducing human screening error. <i>Systematic Reviews</i> , 2019 , 8, 23	3	45
156	No publication without confirmation. <i>Nature</i> , 2017 , 542, 409-411	50.4	45

155	Mineralocorticoid receptor expression and increased survival following neuronal injury. <i>European Journal of Neuroscience</i> , 2003 , 17, 1549-55	3.5	45
154	Effects of antiplatelet therapy on stroke risk by brain imaging features of intracerebral haemorrhage and cerebral small vessel diseases: subgroup analyses of the RESTART randomised, open-label trial. <i>Lancet Neurology, The</i> , 2019 , 18, 643-652	24.1	43
153	Failed trials for central nervous system disorders do not necessarily invalidate preclinical models and drug targets. <i>Nature Reviews Drug Discovery</i> , 2016 , 15, 516	64.1	42
152	Improving the efficiency of the development of drugs for stroke. <i>International Journal of Stroke</i> , 2012 , 7, 371-7	6.3	42
151	Systematic survey of the design, statistical analysis, and reporting of studies published in the 2008 volume of the Journal of Cerebral Blood Flow and Metabolism. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 1064-72	7.3	42
150	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>BMC Veterinary Research</i> , 2020 , 16, 242	2.7	42
149	The Experimental Design Assistant. <i>PLoS Biology</i> , 2017 , 15, e2003779	9.7	41
148	Systematic review and meta-analysis of therapeutic hypothermia in animal models of spinal cord injury. <i>PLoS ONE</i> , 2013 , 8, e71317	3.7	41
147	Evaluation of combination therapy in animal models of cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 585-97	7.3	40
146	Drug repurposing: a systematic approach to evaluate candidate oral neuroprotective interventions for secondary progressive multiple sclerosis. <i>PLoS ONE</i> , 2015 , 10, e0117705	3.7	40
145	Potentially serious incidental findings on brain and body magnetic resonance imaging of apparently asymptomatic adults: systematic review and meta-analysis. <i>BMJ, The</i> , 2018 , 363, k4577	5.9	40
144	Systematic review and stratified meta-analysis of the efficacy of RhoA and Rho kinase inhibitors in animal models of ischaemic stroke. <i>Systematic Reviews</i> , 2013 , 2, 33	3	37
143	Serum withdrawal causes apoptosis in SHSY 5Y cells. <i>Brain Research</i> , 2001 , 889, 308-15	3.7	33
142	Evolution of ischemic damage and behavioural deficit over 6 months after MCAo in the rat: Selecting the optimal outcomes and statistical power for multi-centre preclinical trials. <i>PLoS ONE</i> , 2017 , 12, e0171688	3.7	33
141	Exercise reduces infarct volume and facilitates neurobehavioral recovery: results from a systematic review and meta-analysis of exercise in experimental models of focal ischemia. <i>Neurorehabilitation and Neural Repair</i> , 2014 , 28, 800-12	4.7	32
140	The ARRIVE guidelines 2019: updated guidelines for reporting animal research		32
139	Update on the third international stroke trial (IST-3) of thrombolysis for acute ischaemic stroke and baseline features of the 3035 patients recruited. <i>Trials</i> , 2011 , 12, 252	2.8	31
138	The timing, extent, progression and regression of deep vein thrombosis in immobile stroke patients: observational data from the CLOTS multicenter randomized trials. <i>Journal of Thrombosis and Haemostasis</i> , 2011 , 9, 2193-200	15.4	31

137	The ARRIVE guidelines 2.0: updated guidelines for reporting animal research. <i>BMJ Open Science</i> , 2020 , 4, e100115	4.6	30
136	Increasing value and reducing waste in stroke research. <i>Lancet Neurology</i> , 2017 , 16, 399-408	24.1	29
135	Animal models of chemotherapy-induced peripheral neuropathy: A machine-assisted systematic review and meta-analysis. <i>PLoS Biology</i> , 2019 , 17, e3000243	9.7	29
134	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. <i>Scandinavian Journal of Pain</i> , 2013 , 4, 58-62	1.9	29
133	Magnetic resonance imaging in experimental stroke and comparison with histology: systematic review and meta-analysis. <i>Stroke</i> , 2015 , 46, 843-51	6.7	29
132	Hypothermia for Stroke: call to action 2010. <i>International Journal of Stroke</i> , 2010 , 5, 489-92	6.3	29
131	Predicting outcome in hyper-acute stroke: validation of a prognostic model in the Third International Stroke Trial (IST3). <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2008 , 79, 397-400	5.5	29
130	What's a good doctor and how do you make one? 2002 , 325, 711-711		29
129	Reproducibility and Rigor in Animal-Based Research. <i>ILAR Journal</i> , 2019 , 60, 17-23	1.7	29
128	Systematic review and meta-analysis of interventions tested in animal models of lacunar stroke. <i>Stroke</i> , 2014 , 45, 563-70	6.7	28
127	Hypertension and experimental stroke therapies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 1141-7	7.3	28
126	Aortic arch atheroma. <i>International Journal of Stroke</i> , 2006 , 1, 74-80	6.3	28
125	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. <i>F1000Research</i> , 2020 , 9, 1193	3.6	28
124	Efficacy and safety of mesenchymal stromal cells in preclinical models of acute lung injury: a systematic review protocol. <i>Systematic Reviews</i> , 2014 , 3, 48	3	27
123	What is the translational efficacy of chemotherapeutic drug research in neuro-oncology? A systematic review and meta-analysis of the efficacy of BCNU and CCNU in animal models of glioma. <i>Journal of Neuro-Oncology</i> , 2009 , 91, 117-25	4.8	27
122	A systematic review and meta-analysis of the efficacy of piracetam and piracetam-like compounds in experimental stroke. <i>Cerebrovascular Diseases</i> , 2008 , 25, 5-11	3.2	27
121	Edaravone improves functional and structural outcomes in animal models of focal cerebral ischemia: a systematic review. <i>International Journal of Stroke</i> , 2014 , 9, 101-6	6.3	25
120	Surveying the literature from animal experiments: systematic review and meta-analysis are important contributions. <i>BMJ</i> , 2005 , 331, 110	5.9	25

119	Therapeutic hypothermia for acute ischaemic stroke. Results of a European multicentre, randomised, phase III clinical trial. <i>European Stroke Journal</i> , 2019 , 4, 254-262	5.6	24
118	Reprint: Good laboratory practice: preventing introduction of bias at the bench. <i>International Journal of Stroke</i> , 2009 , 4, 3-5	6.3	23
117	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. <i>F1000Research</i> , 2020 , 9, 1193	3.6	22
116	Translational failure of anti-inflammatory compounds for myocardial infarction: a meta-analysis of large animal models. <i>Cardiovascular Research</i> , 2016 , 109, 240-8	9.9	21
115	Effect of endothelin receptor antagonists on clinically relevant outcomes after experimental subarachnoid hemorrhage: a systematic review and meta-analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1085-9	7.3	20
114	Evidence-based translational medicine. <i>Stroke</i> , 2013 , 44, 1466-71	6.7	20
113	Revision of the ARRIVE guidelines: rationale and scope. <i>BMJ Open Science</i> , 2018 , 2, e000002	4.6	20
112	The Experimental Design Assistant. <i>Nature Methods</i> , 2017 , 14, 1024-1025	21.6	19
111	Hypothermia protects human neurons. <i>International Journal of Stroke</i> , 2014 , 9, 544-52	6.3	18
110	Informatics: Make sense of health data. <i>Nature</i> , 2015 , 527, 31-2	50.4	17
109	Reduced NMDA-induced apoptosis in neurons lacking ataxia telangiectasia mutated protein. <i>NeuroReport</i> , 2003 , 14, 215-7	1.7	17
108	Systematic review and meta-analysis of cannabinoids, cannabis-based medicines, and endocannabinoid system modulators tested for antinociceptive effects in animal models of injury-related or pathological persistent pain. <i>Pain</i> , 2021 , 162, S26-S44	8	17
107	Research Culture and Reproducibility. <i>Trends in Cognitive Sciences</i> , 2020 , 24, 91-93	14	17
106	Protocol for a retrospective, controlled cohort study of the impact of a change in Nature journalsQ editorial policy for life sciences research on the completeness of reporting study design and execution. <i>Scientometrics</i> , 2016 , 108, 315-328	3	17
105	Risk of bias reporting in the recent animal focal cerebral ischaemia literature. <i>Clinical Science</i> , 2017 , 131, 2525-2532	6.5	16
104	Systematic review of guidelines for internal validity in the design, conduct and analysis of preclinical biomedical experiments involving laboratory animals.. <i>BMJ Open Science</i> , 2020 , 4, e100046	4.6	16
103	Meta-analysis of targeted temperature management in animal models of cardiac arrest. <i>Intensive Care Medicine Experimental</i> , 2020 , 8, 3	3.7	16
102	PRECIOUS: PREvention of Complications to Improve OUtcome in elderly patients with acute Stroke. Rationale and design of a randomised, open, phase III, clinical trial with blinded outcome assessment. <i>European Stroke Journal</i> , 2018 , 3, 291-298	5.6	16

101	<p> NXY-059, a Failed Stroke Neuroprotectant, Offers No Protection to Stem Cell-Derived Human Neurons. <i>Journal of Stroke and Cerebrovascular Diseases</i>, 2018, 27, 2158-2165 </p>	2.8	15
100	<p> Outcome heterogeneity and bias in acute experimental spinal cord injury: A meta-analysis. <i>Neurology</i>, 2019, 93, e40-e51 </p>	6.5	14
99	<p> Effect of deprivation and gender on the incidence and management of acute brain disorders. <i>Intensive Care Medicine</i>, 2002, 28, 1729-34 </p>	14.5	14
98	<p> The development and evaluation of an online application to assist in the extraction of data from graphs for use in systematic reviews. <i>Wellcome Open Research</i>, 2018, 3, 157 </p>	4.8	13
97	<p> The development and evaluation of an online application to assist in the extraction of data from graphs for use in systematic reviews. <i>Wellcome Open Research</i>, 2018, 3, 157 </p>	4.8	13
96	<p> Findings of a retrospective, controlled cohort study of the impact of a change in Nature journalsQ editorial policy for life sciences research on the completeness of reporting study design and execution 2017, </p>		12
95	<p> Using animal models to understand cancer pain in humans. <i>Current Pain and Headache Reports</i>, 2014, 18, 423 </p>	4.2	12
94	<p> The benefit of hypothermia in experimental ischemic stroke is not affected by pethidine. <i>International Journal of Stroke</i>, 2013, 8, 180-5 </p>	6.3	12
93	<p> Development of a psychological intervention for fatigue after stroke. <i>PLoS ONE</i>, 2017, 12, e0183286 </p>	3.7	12
92	<p> Consent for Brain Tissue Donation after Intracerebral Haemorrhage: A Community-Based Study. <i>PLoS ONE</i>, 2015, 10, e0135043 </p>	3.7	11
91	<p> Introduction to the EQIPD quality system. <i>ELife</i>, 2021, 10, </p>	8.9	11
90	<p> Effect size and statistical power in the rodent fear conditioning literature - A systematic review. <i>PLoS ONE</i>, 2018, 13, e0196258 </p>	3.7	11
89	<p> A systematic review and meta-analysis of gene therapy in animal models of cerebral glioma: why did promise not translate to human therapy?. <i>Evidence-based Preclinical Medicine</i>, 2014, 1, e00006 </p>		10
88	<p> Effect of hyperthermia and anoxia on glucocorticoid and mineralocorticoid receptor expression in neonatal rat hippocampus. <i>Neuroscience Letters</i>, 2009, 450, 196-200 </p>	3.3	10
87	<p> Effect of deprivation on time to hospital in acute stroke. <i>Journal of Neurology, Neurosurgery and Psychiatry</i>, 2003, 74, 545-6 </p>	5.5	10
86	<p> Preclinical research: Design animal studies better. <i>Nature</i>, 2014, 510, 35 </p>	50.4	9
85	<p> Scope of preclinical testing versus quality control within experiments. <i>Stroke</i>, 2009, 40, e497 </p>	6.7	9
84	<p> Mineralocorticoid receptor mRNA expression is increased in human hippocampus following brief cerebral ischaemia. <i>Neuropathology and Applied Neurobiology</i>, 2009, 35, 156-64 </p>	5.2	9

83	Study protocol - A systematic review and meta-analysis of hypothermia in experimental traumatic brain injury: Why have promising animal studies not been replicated in pragmatic clinical trials?. <i>Evidence-based Preclinical Medicine</i> , 2016 , 3, e00020		8
82	Targeting mitochondrial dysfunction in amyotrophic lateral sclerosis: a systematic review and meta-analysis. <i>Brain Communications</i> , 2019 , 1, fcz009	4.5	8
81	PubMed: http://www.pubmed.org . <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2002 , 73, 746	5.5	8
80	Framework for advancing rigorous research. <i>ELife</i> , 2020 , 9,	8.9	8
79	Hypothermia revisited: Impact of ischaemic duration and between experiment variability. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 3380-3390	7.3	7
78	Alpha Calcitonin Gene-Related Peptide Increases Cerebral Vessel Diameter in Animal Models of Subarachnoid Hemorrhage: A Systematic Review and Meta-analysis. <i>Frontiers in Neurology</i> , 2017 , 8, 357	4.1	7
77	Overexpression of the mineralocorticoid receptor protects against injury in PC12 cells. <i>Molecular Brain Research</i> , 2005 , 135, 276-9		7
76	Meta-analysis of variation suggests that embracing variability improves both replicability and generalizability in preclinical research. <i>PLoS Biology</i> , 2021 , 19, e3001009	9.7	7
75	Comment on "Detection of an infectious retrovirus, XMRV, in blood cells of patients with chronic fatigue syndrome". <i>Science</i> , 2010 , 328, 825; author reply 825	33.3	6
74	Injury-induced mineralocorticoid receptor expression involves differential promoter usage: a novel role for the rat MRbeta variant. <i>Molecular and Cellular Endocrinology</i> , 2009 , 305, 56-62	4.4	6
73	Current issues in the treatment of acute posterior circulation stroke. <i>CNS Drugs</i> , 2006 , 20, 611-21	6.7	6
72	Identifying stroke therapeutics from preclinical models: A protocol for a novel application of network meta-analysis. <i>F1000Research</i> , 2019 , 8, 11	3.6	6
71	The Efficacy of Trastuzumab in Animal Models of Breast Cancer: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2016 , 11, e0158240	3.7	6
70	Estimating the statistical performance of different approaches to meta-analysis of data from animal studies in identifying the impact of aspects of study design		6
69	A Systematic Review and Meta-Analysis of Hypothermia in Experimental Traumatic Brain Injury: Why Have Promising Animal Studies Not Been Replicated in Pragmatic Clinical Trials?. <i>Journal of Neurotrauma</i> , 2020 , 37, 2057-2068	5.4	5
68	Statistical analysis plan for the EuroHYP-1 trial: European multicentre, randomised, phase III clinical trial of the therapeutic hypothermia plus best medical treatment versus best medical treatment alone for acute ischaemic stroke. <i>Trials</i> , 2017 , 18, 573	2.8	5
67	Identification and characterization of outcome measures reported in animal models of epilepsy: Protocol for a systematic review of the literature-A TASK2 report of the AES/ILAE Translational Task Force of the ILAE. <i>Epilepsia</i> , 2017 , 58 Suppl 4, 68-77	6.4	5
66	Some salt with your statin, professor?. <i>PLoS Biology</i> , 2014 , 12, e1001768	9.7	5

65	Research: increasing value, reducing waste - AuthorsReply. <i>Lancet, The</i> , 2014 , 383, 1126-7	4.0	5
64	Nitric-oxide-synthase-mediated cyclic guanosine monophosphate production in neonatal rat cerebellar prisms is resistant to calcineurin inhibition. <i>Neuroscience Letters</i> , 2002 , 322, 41-4	3.3	5
63	The effect of tumour associated epilepsy on performance/handicap scales used in cerebral glioma. <i>British Journal of Neurosurgery</i> , 1995 , 9, 653-7	1	5
62	A systematic review and meta-analysis of topoisomerase inhibition in pre-clinical glioma models. <i>Oncotarget</i> , 2018 , 9, 11387-11401	3.3	5
61	Towards minimum reporting standards for life scientists		5
60	A randomised controlled trial of an Intervention to Improve Compliance with the ARRIVE guidelines (IICARus)		5
59	Development and uptake of an online systematic review platform: the early years of the CAMARADES Systematic Review Facility (SyRF).. <i>BMJ Open Science</i> , 2021 , 5, e100103	4.6	5
58	Epidemiology and reporting characteristics of preclinical systematic reviews. <i>PLoS Biology</i> , 2021 , 19, e3001177	9.7	5
57	Compressive Pressure Versus Time in Cauda Equina Syndrome: A Systematic Review and Meta-Analysis of Experimental Studies. <i>Spine</i> , 2019 , 44, 1238-1247	3.3	5
56	Understanding in vivo modelling of depression in non-human animals: a systematic review protocol. <i>Evidence-based Preclinical Medicine</i> , 2016 , 3, e00024		4
55	Two decades testing interventions in transgenic mouse models of Alzheimer's disease: designing and interpreting studies for clinical trial success. <i>Clinical Investigation</i> , 2014 , 4, 693-704		4
54	Making the most of animal data - Improving the prospect of success in pragmatic trials in the neurosciences. <i>Trials</i> , 2011 , 12,	2.8	4
53	Sodium and chloride channelopathies with myositis: coincidence or connection?. <i>Muscle and Nerve</i> , 2011 , 44, 283-8	3.4	4
52	Secondary prevention of stroke - AuthorsReply. <i>Lancet, The</i> , 2008 , 372, 1036	4.0	4
51	Multicenter Evaluation of Geometric Accuracy of MRI Protocols Used in Experimental Stroke. <i>PLoS ONE</i> , 2016 , 11, e0162545	3.7	4
50	Reporting animal research: Explanation and Elaboration for the ARRIVE guidelines 2019		4
49	Animal Models of Ischemic Stroke Versus Clinical Stroke: Comparison of Infarct Size, Cause, Location, Study Design, and Efficacy of Experimental Therapies 2017 , 481-523		3
48	Voltage-gated potassium channel antibody-related encephalopathy: a case which may extend the documented phenotype of this condition. <i>BMJ Case Reports</i> , 2012 , 2012,	0.9	3

47	MicroRNA--taking regulation of protein synthesis to another level. <i>Cerebrovascular Diseases</i> , 2005 , 20, 49-50; discussion 50	3.2	3
46	The reproducibility debate is an opportunity, not a crisis.. <i>BMC Research Notes</i> , 2022 , 15, 43	2.3	3
45	Machine learning algorithms for systematic review: reducing workload in a preclinical review of animal studies and reducing human screening error		3
44	Improving our understanding of the modelling of psychotic disorders: A protocol for a systematic review and meta-analysis. <i>Evidence-based Preclinical Medicine</i> , 2016 , 3, e00022		3
43	Protocol for a Systematic Review of Effect Sizes and Statistical Power in the Rodent Fear Conditioning Literature. <i>Evidence-based Preclinical Medicine</i> , 2016 , 3, 24		2
42	Animal Models of Stroke Versus Clinical Stroke: Comparison of Infarct Size, Cause, Location, Study Design, and Efficacy of Experimental Therapies 2013 , 531-568		2
41	Bacterial meningitis associated with a complex ischiorectal abscess. <i>Journal of Clinical Neuroscience</i> , 2009 , 16, 1682-3	2.2	2
40	Gender and deprivation and rates of referral and thereby admission to a national neurorehabilitation service. <i>Clinical Rehabilitation</i> , 2005 , 19, 109-15	3.3	2
39	Effects of dietary fat manipulation on cognition in mice and rats: protocol for a systematic review and meta-analysis.. <i>BMJ Open Science</i> , 2020 , 4, e100108	4.6	2
38	Introduction to the EQIPD Quality System		2
37	The development and evaluation of an online application to assist in the extraction of data from graphs for use in systematic reviews. <i>Wellcome Open Research</i> , 3 , 157	4.8	2
36	Identifying and understanding factors that affect the translation of therapies from the laboratory to patients: a study protocol. <i>F1000Research</i> , 2020 , 9, 485	3.6	2
35	Embrace heterogeneity to improve reproducibility: A perspective from meta-analysis of variation in preclinical research		2
34	Animal models of chemotherapy-induced peripheral neuropathy: a machine-assisted systematic review and meta-analysis		2
33	Can harmonisation of outcomes bridge the translation gap for pre-clinical research? A systematic review of outcomes measured in mouse models of type 2 diabetes. <i>Journal of Translational Medicine</i> , 2020 , 18, 468	8.5	2
32	Regulatory delays in a multinational clinical stroke trial. <i>European Stroke Journal</i> , 2021 , 6, 120-127	5.6	2
31	The Automated Systematic Search Deduplicator (ASySD): a rapid, open-source, interoperable tool to remove duplicate citations in biomedical systematic reviews		2
30	Design of Meta-Analysis Studies. <i>Handbook of Experimental Pharmacology</i> , 2020 , 257, 299-317	3.2	2

29	Protocol for a systematic review of guidelines for rigour in the design, conduct and analysis of biomedical experiments involving laboratory animals.. <i>BMJ Open Science</i> , 2018 , 2, e000004	4.6	2
28	The reproducibility opportunity. <i>Nature Human Behaviour</i> , 2018 , 2, 616-617	12.8	2
27	Prof Benchie and Dr Athena-A modern tragedy□ <i>Evidence-based Preclinical Medicine</i> , 2015 , 2, e00008		1
26	Pharmacologic reduction of angiographic vasospasm in experimental subarachnoid hemorrhage: systematic review and meta-analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 1643-4	7.3	1
25	Inequalities in the incidence and management of, and outcome from, neurological diseases in older people. <i>Reviews in Clinical Gerontology</i> , 2003 , 13, 261-268		1
24	Real-world Independent Testing of e-ASPECTS Software (RITeS): statistical analysis plan. <i>AMRC Open Research</i> , 2021 , 2, 20	1.3	1
23	Identifying and understanding factors that affect the translation of therapies from the laboratory to patients: a study protocol. <i>F1000Research</i> , 2021 , 9, 485	3.6	1
22	Meta-analysis on reporting practices as a source of heterogeneity in in vitro cancer research		1
21	Quality of preclinical evidence for neuroprotection in stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S144-S144	7.3	1
20	Risk of bias assessment in preclinical literature using natural language processing. <i>Research Synthesis Methods</i> , 2021 ,	7.2	1
19	How to Avoid Bumping into the Translational Roadblock. <i>NeuroMethods</i> , 2010 , 7-15	0.4	1
18	Risk of Bias Assessment in Preclinical Literature using Natural Language Processing		1
17	Comparison of commonly used methods in random effects meta-analysis: application to preclinical data in drug discovery research.. <i>BMJ Open Science</i> , 2021 , 5, e100074	4.6	1
16	Improving research quality: the view from the UK Reproducibility Network institutional leads for research improvement.. <i>BMC Research Notes</i> , 2021 , 14, 458	2.3	1
15	Reader response: Evaluating depression and suicidality in tetrabenazine users with Huntington disease. <i>Neurology</i> , 2019 , 92, 447-448	6.5	1
14	UK consensus on pre-clinical vascular cognitive impairment functional outcomes assessment: Questionnaire and workshop proceedings. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 1402-1414 ⁰	7.3	1
13	Using median survival in meta-analysis of experimental time-to-event data. <i>Systematic Reviews</i> , 2021 , 10, 292	3	0
12	Clinical trials in amyotrophic lateral sclerosis: a systematic review and perspective.. <i>Brain Communications</i> , 2021 , 3, fcb242	4.5	0

11	Technological advances in preclinical meta-research.. <i>BMJ Open Science</i> , 2021 , 5, e100131	4.6	o
10	Administration of galacto-oligosaccharide prebiotics in the Flinders Sensitive Line animal model of depression.. <i>BMJ Open Science</i> , 2019 , 3, e000017	4.6	o
9	What has preclinical systematic review ever done for us?. <i>BMJ Open Science</i> , 2022 , 6, e100219	4.6	o
8	Improving the reproducibility and integrity of research: what can different stakeholders contribute?. <i>BMC Research Notes</i> , 2022 , 15, 146	2.3	o
7	Effectiveness of biomaterial-based combination strategies for spinal cord repair: a systematic review and meta-analysis of preclinical literature. <i>Spinal Cord</i> ,	2.7	o
6	Systematic Review and Meta-analysis: Important Tools in Understanding Drug Development for Stroke. <i>Springer Series in Translational Stroke Research</i> , 2017 , 73-93	0.1	
5	A (mini) pill for stroke?. <i>Brain</i> , 2014 , 137, 311-2	11.2	
4	Vanishing diplopia: a problem case. <i>Practical Neurology</i> , 2007 , 7, 268-71	2.4	
3	How to Avoid Bumping into the Translational Roadblock. <i>Neuromethods</i> , 2016 , 7-17	0.4	
2	Red blood cell transfusion in animal models of acute brain injuries: a systematic review protocol. <i>Systematic Reviews</i> , 2021 , 10, 177	3	
1	Meta-analysis on reporting practices as a source of heterogeneity in in vitro cancer research. <i>BMJ Open Science</i> , 2022 , 6, e100272	4.6	