

David Howells

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3598840/david-howells-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

104
papers

11,453
citations

43
h-index

107
g-index

113
ext. papers

14,421
ext. citations

7.3
avg, IF

6.01
L-index

#	Paper	IF	Citations
104	What has preclinical systematic review ever done for us?. <i>BMJ Open Science</i> , 2022 , 6, e100219	4.6	0
103	Pharmacological PDGFR α inhibitors imatinib and sunitinib cause human brain pericyte death in vitro.. <i>Toxicology and Applied Pharmacology</i> , 2022 , 116025	4.6	
102	Differences in fatigue-like behavior in the lipopolysaccharide and poly I:C inflammatory animal models. <i>Physiology and Behavior</i> , 2021 , 232, 113347	3.5	0
101	Combined meta-analysis of preclinical cell therapy studies shows overlapping effect modifiers for multiple diseases.. <i>BMJ Open Science</i> , 2021 , 5, e100061	4.6	1
100	Circadian Biology and Stroke. <i>Stroke</i> , 2021 , 52, 2180-2190	6.7	5
99	Transcranial contrast-enhanced ultrasound in the rat brain reveals substantial hyperperfusion acutely post-stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020 , 40, 939-953	7.3	4
98	The ARRIVE guidelines 2.0: updated guidelines for reporting animal research. <i>BMJ Open Science</i> , 2020 , 4, e100115	4.6	30
97	Applications of Nanotechnology in the Diagnosis and Therapy of Stroke. <i>Seminars in Thrombosis and Hemostasis</i> , 2020 , 46, 592-605	5.3	11
96	Differential susceptibility of human neural progenitors and neurons to ischaemic injury. <i>Brain Research Bulletin</i> , 2020 , 156, 25-32	3.9	
95	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>BMC Veterinary Research</i> , 2020 , 16, 242	2.7	42
94	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>PLoS Biology</i> , 2020 , 18, e3000410	9.7	757
93	Reporting animal research: Explanation and elaboration for the ARRIVE guidelines 2.0. <i>PLoS Biology</i> , 2020 , 18, e3000411	9.7	352
92	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
91	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. <i>British Journal of Pharmacology</i> , 2020 , 177, 3617-3624	8.6	99
90	Longitudinal Stroke Recovery Associated With Dysregulation of Complement System-A Proteomics Pathway Analysis. <i>Frontiers in Neurology</i> , 2020 , 11, 692	4.1	2
89	Pericytes and Neurovascular Function in the Healthy and Diseased Brain. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 282	6.1	117
88	The effect of rapamycin treatment on cerebral ischemia: A systematic review and meta-analysis of animal model studies. <i>International Journal of Stroke</i> , 2019 , 14, 137-145	6.3	12

87	<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
86	<p> Human Ischaemic Cascade Studies Using SH-SY5Y Cells: a Systematic Review and Meta-Analysis. <i>Translational Stroke Research</i>, 2018, 9, 564-574 </p>	7.8	19
85	<p> Derivation of phenotypically diverse neural culture from hESC by combining adherent and dissociation methods. <i>Journal of Neuroscience Methods</i>, 2018, 308, 286-293 </p>	3	0
84	<p> A complementary role for tetraspanin superfamily member TSSC6 and ADP purinergic P2Y receptor in platelets. <i>Thrombosis Research</i>, 2018, 161, 12-21 </p>	8.2	3
83	<p> Hypothermia revisited: Impact of ischaemic duration and between experiment variability. <i>Journal of Cerebral Blood Flow and Metabolism</i>, 2017, 37, 3380-3390 </p>	7.3	7
82	<p> Risk of bias reporting in the recent animal focal cerebral ischaemia literature. <i>Clinical Science</i>, 2017, 131, 2525-2532 </p>	6.5	16
81	<p> 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 </p>	6.4	5
80	<p> Animal Models of Ischemic Stroke Versus Clinical Stroke: Comparison of Infarct Size, Cause, Location, Study Design, and Efficacy of Experimental Therapies 2017, 481-523 </p>		3
79	<p> 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 </p>	3.7	33
78	<p> Standardized mean differences cause funnel plot distortion in publication bias assessments. <i>ELife</i>, 2017, 6, </p>	8.9	83
77	<p> Neuroprotection After Traumatic Brain Injury. <i>JAMA Neurology</i>, 2016, 73, 149-50 </p>	17.2	8
76	<p> 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 </p>	9.7	60
75	<p> A Pathway Proteomic Profile of Ischemic Stroke Survivors Reveals Innate Immune Dysfunction in Association with Mild Symptoms of Depression - A Pilot Study. <i>Frontiers in Neurology</i>, 2016, 7, 85 </p>	4.1	21
74	<p> Conventional protein kinase C-mediated phosphorylation inhibits collapsin response-mediated protein 2 proteolysis and alleviates ischemic injury in cultured cortical neurons and ischemic stroke-induced mice. <i>Journal of Neurochemistry</i>, 2016, 137, 446-59 </p>	6	13
73	<p> Protocol for a retrospective, controlled cohort study of the impact of a change in Nature journal's editorial policy for life sciences research on the completeness of reporting study design and execution. <i>Scientometrics</i>, 2016, 108, 315-328 </p>	3	17
72	<p> STroke imAging pRevention and treatment (START): A longitudinal stroke cohort study: Clinical trials protocol. <i>International Journal of Stroke</i>, 2015, 10, 636-44 </p>	6.3	14
71	<p> 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 </p>	4.9	26
70	<p> Fish oil supplementation associated with decreased cellular degeneration and increased cellular proliferation 6 weeks after middle cerebral artery occlusion in the rat. <i>Neuropsychiatric Disease and Treatment</i>, 2015, 11, 153-64 </p>	3.1	5

69	Risk of Bias in Reports of In Vivo Research: A Focus for Improvement. <i>PLoS Biology</i> , 2015 , 13, e1002273	9.7	160
68	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
67	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
66	Hypothermia protects human neurons. <i>International Journal of Stroke</i> , 2014 , 9, 544-52	6.3	18
65	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
64	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
63	Bringing rigour to translational medicine. <i>Nature Reviews Neurology</i> , 2014 , 10, 37-43	15	87
62	Fish oil diet associated with acute reperfusion related hemorrhage, and with reduced stroke-related sickness behaviors and motor impairment. <i>Frontiers in Neurology</i> , 2014 , 5, 14	4.1	8
61	How to increase value and reduce waste when research priorities are set. <i>Lancet, The</i> , 2014 , 383, 156-65	40	826
60	Neurotoxicity and Stroke 2014 , 1483-1509		
59	The benefit of hypothermia in experimental ischemic stroke is not affected by pethidine. <i>International Journal of Stroke</i> , 2013 , 8, 180-5	6.3	12
58	Hypertension and experimental stroke therapies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 1141-7	7.3	28
57	Animal Models of Stroke Versus Clinical Stroke: Comparison of Infarct Size, Cause, Location, Study Design, and Efficacy of Experimental Therapies 2013 , 531-568		2
56	Evidence-based translational medicine. <i>Stroke</i> , 2013 , 44, 1466-71	6.7	20
55	A concerted appeal for international cooperation in preclinical stroke research. <i>Stroke</i> , 2013 , 44, 1754-60	6.7	81
54	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
53	Evaluation of excess significance bias in animal studies of neurological diseases. <i>PLoS Biology</i> , 2013 , 11, e1001609	9.7	184
52	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

51	The influence of stroke risk factors and comorbidities on assessment of stroke therapies in humans and animals. <i>International Journal of Stroke</i> , 2012 , 7, 386-97	6.3	29
50	Improving the efficiency of the development of drugs for stroke. <i>International Journal of Stroke</i> , 2012 , 7, 371-7	6.3	42
49	Human in vitro models of ischaemic stroke: a test bed for translation. <i>Translational Stroke Research</i> , 2012 , 3, 306-9	7.8	12
48	A novel population of smooth muscle actin-positive cells activated in a rat model of stroke: an analysis of the spatio-temporal distribution in response to ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 2055-65	7.3	20
47	A call for transparent reporting to optimize the predictive value of preclinical research. <i>Nature</i> , 2012 , 490, 187-91	50.4	795
46	A multicentre, randomized, double-blinded, placebo-controlled Phase III study to investigate EXTending the time for Thrombolysis in Emergency Neurological Deficits (EXTEND). <i>International Journal of Stroke</i> , 2012 , 7, 74-80	6.3	158
45	How to make better use of thrombolytic therapy in acute ischemic stroke. <i>Nature Reviews Neurology</i> , 2011 , 7, 400-9	15	108
44	History of animal models of stroke. <i>International Journal of Stroke</i> , 2011 , 6, 77-8	6.3	7
43	Salvaged stroke ischaemic penumbra shows significant injury: studies with the hypoxia tracer FMISO. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 934-43	7.3	17
42	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
41	Changes in the solubility and phosphorylation of synuclein over the course of Parkinson disease. <i>Acta Neuropathologica</i> , 2011 , 121, 695-704	14.3	78
40	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
39	Inducing stroke in aged, hypertensive, diabetic rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 729-33	7.3	34
38	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
37	An enriched environment improves sensorimotor function post-ischemic stroke. <i>Neurorehabilitation and Neural Repair</i> , 2010 , 24, 802-13	4.7	87
36	Can animal models of disease reliably inform human studies?. <i>PLoS Medicine</i> , 2010 , 7, e1000245	11.6	803
35	Publication bias in reports of animal stroke studies leads to major overstatement of efficacy. <i>PLoS Biology</i> , 2010 , 8, e1000344	9.7	380
34	Modeling Risk Factors and Confounding Effects in Stroke. <i>NeuroMethods</i> , 2010 , 93-119	0.4	2

33	Reprint: Good laboratory practice: preventing introduction of bias at the bench. <i>Stroke</i> , 2009 , 29, 221-3	6.7	236
32	Scope of preclinical testing versus quality control within experiments. <i>Stroke</i> , 2009 , 40, e497	6.7	9
31	Characterisation of the timing of binding of the hypoxia tracer FMISO after stroke. <i>Brain Research</i> , 2009 , 1288, 135-42	3.7	15
30	Reprint: Good laboratory practice: preventing introduction of bias at the bench. <i>International Journal of Stroke</i> , 2009 , 4, 3-5	6.3	23
29	Update of the stroke therapy academic industry roundtable preclinical recommendations. <i>Stroke</i> , 2009 , 40, 2244-50	6.7	948
28	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
27	Hypothermia in animal models of acute ischaemic stroke: a systematic review and meta-analysis. <i>Brain</i> , 2007 , 130, 3063-74	11.2	355
26	Neuroprotection: where to now?. <i>Future Neurology</i> , 2007 , 2, 513-521	1.5	1
25	How can we improve the pre-clinical development of drugs for stroke?. <i>Trends in Neurosciences</i> , 2007 , 30, 433-9	13.3	267
24	Striatal dopaminergic neurons are lost with Parkinson's disease progression. <i>Movement Disorders</i> , 2006 , 21, 2208-11	7	16
23	1,026 experimental treatments in acute stroke. <i>Annals of Neurology</i> , 2006 , 59, 467-77	9.4	1049
22	Characterization of fluoromisonidazole binding in stroke. <i>Stroke</i> , 2006 , 37, 1862-7	6.7	16
21	Inflammation following stroke. <i>Journal of Clinical Neuroscience</i> , 2006 , 13, 1-8	2.2	154
20	Modification of the method of thread manufacture improves stroke induction rate and reduces mortality after thread-occlusion of the middle cerebral artery in young or aged rats. <i>Journal of Neuroscience Methods</i> , 2006 , 155, 285-90	3	99
19	Vampire bat salivary plasminogen activator (desmoteplase) inhibits tissue-type plasminogen activator-induced potentiation of excitotoxic injury. <i>Stroke</i> , 2005 , 36, 1241-6	6.7	75
18	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
17	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
16	Dopaminergic innervation of the human striatum in Parkinson's disease. <i>Movement Disorders</i> , 2005 , 20, 810-8	7	24

15	Ischaemic tolerance and mitochondrial uncoupling--can we learn from the cell?. <i>Cerebrovascular Diseases</i> , 2005 , 19, 206-8	3.2	
14	Quality of preclinical evidence for neuroprotection in stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S144-S144	7.3	1
13	Does tissue plasminogen activator mediate neurodegeneration in the 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine (MPTP) mouse model of Parkinson's disease?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S434-S434	7.3	
12	Pooling of animal experimental data reveals influence of study design and publication bias. <i>Stroke</i> , 2004 , 35, 1203-8	6.7	399
11	The resistance to ischemia of white and gray matter after stroke. <i>Annals of Neurology</i> , 2004 , 56, 695-701	9.4	67
10	Stem cells: do they replace or stimulate?. <i>Stroke</i> , 2003 , 34, 2082-3	6.7	6
9	CNS regeneration: clinical possibility or basic science fantasy?. <i>Journal of Clinical Neuroscience</i> , 2003 , 10, 523-34	2.2	19
8	Can the time window for administration of thrombolytics in stroke be increased?. <i>CNS Drugs</i> , 2003 , 17, 995-1011	6.7	18
7	New dopaminergic neurons in Parkinson's disease striatum. <i>Lancet, The</i> , 2000 , 356, 44-5	4.0	96
6	Effect of chronic angiotensin-converting enzyme inhibition on striatal dopamine content in the MPTP-treated mouse. <i>Journal of Neurochemistry</i> , 1999 , 73, 214-9	6	42
5	Leukaemia inhibitory factor prevents injury induced proliferation of striatal dopamine uptake sites. <i>NeuroReport</i> , 1995 , 6, 1857-60	1.7	2
4	Cerebrospinal fluid concentrations of pterins and metabolites of serotonin and dopamine in a pediatric reference population. <i>Pediatric Research</i> , 1993 , 34, 10-4	3.2	108
3	Surgical damage stimulates proliferation of dopamine uptake sites in normal mouse brain. <i>Brain Research</i> , 1993 , 622, 285-8	3.7	14
2	The ARRIVE guidelines 2019: updated guidelines for reporting animal research		32
1	Reporting animal research: Explanation and Elaboration for the ARRIVE guidelines 2019		4