

Stuart Allan

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.

155
papers

9,319
citations

49
h-index

94
g-index

164
ext. papers

10,654
ext. citations

6.4
avg, IF

6.26
L-index

#	Paper	IF	Citations
155	Cytokines and acute neurodegeneration. <i>Nature Reviews Neuroscience</i> , 2001 , 2, 734-44	13.5	884
154	Interleukin-1 and neuronal injury. <i>Nature Reviews Immunology</i> , 2005 , 5, 629-40	36.5	763
153	Systemic inflammatory stimulus potentiates the acute phase and CXC chemokine responses to experimental stroke and exacerbates brain damage via interleukin-1- and neutrophil-dependent mechanisms. <i>Journal of Neuroscience</i> , 2007 , 27, 4403-12	6.6	282
152	Vascular dysfunction-The disregarded partner of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019 , 15, 158-167	1.2	265
151	Inflammation in central nervous system injury. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003 , 358, 1669-77	5.8	263
150	Impaired adult neurogenesis in the dentate gyrus of a triple transgenic mouse model of Alzheimer's disease. <i>PLoS ONE</i> , 2008 , 3, e2935	3.7	260
149	Proliferating resident microglia after focal cerebral ischaemia in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 1941-53	7.3	253
148	Systemic infection, inflammation and acute ischemic stroke. <i>Neuroscience</i> , 2009 , 158, 1049-61	3.9	246
147	Systemic inflammation alters the kinetics of cerebrovascular tight junction disruption after experimental stroke in mice. <i>Journal of Neuroscience</i> , 2008 , 28, 9451-62	6.6	243
146	Inflammation and brain injury: acute cerebral ischaemia, peripheral and central inflammation. <i>Brain, Behavior, and Immunity</i> , 2010 , 24, 708-23	16.6	230
145	Fenamate NSAIDs inhibit the NLRP3 inflammasome and protect against Alzheimer's disease in rodent models. <i>Nature Communications</i> , 2016 , 7, 12504	17.4	228
144	AIM2 and NLRC4 inflammasomes contribute with ASC to acute brain injury independently of NLRP3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4050-5	11.5	157
143	A dual role for interleukin-1 in LTP in mouse hippocampal slices. <i>Journal of Neuroimmunology</i> , 2003 , 144, 61-7	3.5	157
142	High-fat diet-induced memory impairment in triple-transgenic Alzheimer's disease (3xTgAD) mice is independent of changes in amyloid and tau pathology. <i>Neurobiology of Aging</i> , 2014 , 35, 1821-32	5.6	152
141	Brain inflammation is induced by co-morbidities and risk factors for stroke. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 1113-22	16.6	150
140	Collapsin response mediator protein-2 hyperphosphorylation is an early event in Alzheimer's disease progression. <i>Journal of Neurochemistry</i> , 2007 , 103, 1132-44	6	136
139	Inactivation of caspase-1 in rodent brain: a novel anticonvulsive strategy. <i>Epilepsia</i> , 2006 , 47, 1160-8	6.4	136

138	Interleukin-1-induced neurotoxicity is mediated by glia and requires caspase activation and free radical release. <i>Journal of Neurochemistry</i> , 2006 , 98, 258-66	6	135
137	Neutrophil cerebrovascular transmigration triggers rapid neurotoxicity through release of proteases associated with decondensed DNA. <i>Journal of Immunology</i> , 2012 , 189, 381-92	5.3	133
136	Platelet interleukin-1alpha drives cerebrovascular inflammation. <i>Blood</i> , 2010 , 115, 3632-9	2.2	133
135	Chitinase-like proteins promote IL-17-mediated neutrophilia in a tradeoff between nematode killing and host damage. <i>Nature Immunology</i> , 2014 , 15, 1116-25	19.1	132
134	Interleukin-1beta and the interleukin-1 receptor antagonist act in the striatum to modify excitotoxic brain damage in the rat. <i>European Journal of Neuroscience</i> , 1998 , 10, 1188-95	3.5	130
133	The therapeutic potential of the mesenchymal stem cell secretome in ischaemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018 , 38, 1276-1292	7.3	119
132	Microglia and macrophages differentially modulate cell death after brain injury caused by oxygen-glucose deprivation in organotypic brain slices. <i>Glia</i> , 2013 , 61, 813-24	9	116
131	Interleukin-1 in the brain: mechanisms of action in acute neurodegeneration. <i>Annals of the New York Academy of Sciences</i> , 2003 , 992, 39-47	6.5	112
130	Interleukin-1 primes human mesenchymal stem cells towards an anti-inflammatory and pro-trophic phenotype in vitro. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 79	8.3	107
129	Delayed administration of interleukin-1 receptor antagonist reduces ischemic brain damage and inflammation in comorbid rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 1810-9	7.3	105
128	A rapid and transient peripheral inflammatory response precedes brain inflammation after experimental stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 1764-8	7.3	97
127	SCIL-STROKE (Subcutaneous Interleukin-1 Receptor Antagonist in Ischemic Stroke): A Randomized Controlled Phase 2 Trial. <i>Stroke</i> , 2018 , 49, 1210-1216	6.7	93
126	Interleukin-1 and acute brain injury. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 18	6.1	93
125	Assessing the contribution of inflammation in models of Alzheimer's disease. <i>Biochemical Society Transactions</i> , 2011 , 39, 886-90	5.1	88
124	Interleukin-1 and stroke: biomarker, harbinger of damage, and therapeutic target. <i>Cerebrovascular Diseases</i> , 2011 , 32, 517-27	3.2	83
123	Interleukin-1 receptor antagonist is beneficial after subarachnoid haemorrhage in rat by blocking haem-driven inflammatory pathology. <i>DMM Disease Models and Mechanisms</i> , 2012 , 5, 823-33	4.1	81
122	A brain in flame; do inflammasomes and pyroptosis influence stroke pathology?. <i>Brain Pathology</i> , 2017 , 27, 205-212	6	79
121	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

120	Cortical cell death induced by IL-1 is mediated via actions in the hypothalamus of the rat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 5580-5	11.5	73
119	Interleukin-1 in Stroke: From Bench to Bedside. <i>Stroke</i> , 2016 , 47, 2160-7	6.7	68
118	Regulation of interleukin-1 in acute brain injury. <i>Trends in Pharmacological Sciences</i> , 2011 , 32, 617-22	13.2	65
117	Boron-Based Inhibitors of the NLRP3 Inflammasome. <i>Cell Chemical Biology</i> , 2017 , 24, 1321-1335.e5	8.2	61
116	The acute-phase protein PTX3 is an essential mediator of glial scar formation and resolution of brain edema after ischemic injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 480-8	7.3	58
115	Changes in the secretome of tri-dimensional spheroid-cultured human mesenchymal stem cells in vitro by interleukin-1 priming. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 11	8.3	56
114	ADAMTS-1 and -4 are up-regulated following transient middle cerebral artery occlusion in the rat and their expression is modulated by TNF in cultured astrocytes. <i>Brain Research</i> , 2006 , 1088, 19-30	3.7	55
113	A luminescent probe containing a tuftsin targeting vector coupled to a terbium complex. <i>Chemical Communications</i> , 2006 , 909-11	5.8	54
112	Experimental intracerebral hemorrhage: avoiding pitfalls in translational research. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 2135-51	7.3	53
111	Neuroinflammation in Parkinson's patients and MPTP-treated mice is not restricted to the nigrostriatal system: microgliosis and differential expression of interleukin-1 receptors in the olfactory bulb. <i>Experimental Gerontology</i> , 2007 , 42, 762-71	4.5	53
110	Translational models for vascular cognitive impairment: a review including larger species. <i>BMC Medicine</i> , 2017 , 15, 16	11.4	52
109	Experimental stroke-induced changes in the bone marrow reveal complex regulation of leukocyte responses. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 1036-50	7.3	52
108	Systemic immune activation shapes stroke outcome. <i>Molecular and Cellular Neurosciences</i> , 2013 , 53, 14-25	4.8	51
107	Systemic inflammation and stroke: aetiology, pathology and targets for therapy. <i>Biochemical Society Transactions</i> , 2007 , 35, 1163-5	5.1	50
106	Circulating cytokines and alarmins associated with placental inflammation in high-risk pregnancies. <i>American Journal of Reproductive Immunology</i> , 2014 , 72, 422-34	3.8	49
105	A quantitative brain map of experimental cerebral malaria pathology. <i>PLoS Pathogens</i> , 2017 , 13, e1006267	6.6	48
104	Reparative effects of interleukin-1 receptor antagonist in young and aged/co-morbid rodents after cerebral ischemia. <i>Brain, Behavior, and Immunity</i> , 2017 , 61, 117-126	16.6	46
103	Age-related changes in core body temperature and activity in triple-transgenic Alzheimer's disease (3xTgAD) mice. <i>DMM Disease Models and Mechanisms</i> , 2013 , 6, 160-70	4.1	46

102	Matrix metalloproteinase-9 and urokinase plasminogen activator mediate interleukin-1-induced neurotoxicity. <i>Molecular and Cellular Neurosciences</i> , 2008 , 37, 135-42	4.8	46
101	A cross-laboratory preclinical study on the effectiveness of interleukin-1 receptor antagonist in stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 596-605	7.3	45
100	The role of pro- and antiinflammatory cytokines in neurodegeneration. <i>Annals of the New York Academy of Sciences</i> , 2000 , 917, 84-93	6.5	44
99	Acidosis drives damage-associated molecular pattern (DAMP)-induced interleukin-1 secretion via a caspase-1-independent pathway. <i>Journal of Biological Chemistry</i> , 2013 , 288, 30485-30494	5.4	43
98	Microglial Priming as Trained Immunity in the Brain. <i>Neuroscience</i> , 2019 , 405, 47-54	3.9	43
97	Mitochondrial Abnormalities and Synaptic Loss Underlie Memory Deficits Seen in Mouse Models of Obesity and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017 , 55, 915-932	4.3	41
96	Streptococcus pneumoniae worsens cerebral ischemia via interleukin 1 and platelet glycoprotein Ib. <i>Annals of Neurology</i> , 2014 , 75, 670-83	9.4	39
95	Anakinra in COVID-19: important considerations for clinical trials. <i>Lancet Rheumatology</i> , 2020 , 2, e379-e381	14.2	34
94	Hypermetabolism in a triple-transgenic mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012 , 33, 187-93	5.6	34
93	IL-1Rrp2 expression and IL-1F9 (IL-1H1) actions in brain cells. <i>Journal of Neuroimmunology</i> , 2003 , 139, 36-43	3.5	34
92	Selective Liposomal Transport through Blood Brain Barrier Disruption in Ischemic Stroke Reveals Two Distinct Therapeutic Opportunities. <i>ACS Nano</i> , 2019 , 13, 12470-12486	16.7	32
91	Endogenous oils derived from human adipocytes are potent adjuvants that promote IL-1-dependent inflammation. <i>Diabetes</i> , 2014 , 63, 2037-50	0.9	32
90	Interleukin-1 drives cerebrovascular inflammation via MAP kinase-independent pathways. <i>Current Neurovascular Research</i> , 2010 , 7, 330-40	1.8	32
89	Late-onset epilepsy and occult cerebrovascular disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 564-70	7.3	31
88	Systemic inflammation impairs tissue reperfusion through endothelin-dependent mechanisms in cerebral ischemia. <i>Stroke</i> , 2014 , 45, 3412-9	6.7	31
87	Inflammatory responses in the rat brain in response to different methods of intra-cerebral administration. <i>Journal of Neuroimmunology</i> , 2008 , 194, 27-33	3.5	31
86	Delayed reperfusion deficits after experimental stroke account for increased pathophysiology. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 277-84	7.3	30
85	Central and haematopoietic interleukin-1 both contribute to ischaemic brain injury in mice. <i>DMM Disease Models and Mechanisms</i> , 2013 , 6, 1043-8	4.1	30

84	Extent of Ischemic Brain Injury After Thrombotic Stroke Is Independent of the NLRP3 (NACHT, LRR and PYD Domains-Containing Protein 3) Inflammasome. <i>Stroke</i> , 2019 , 50, 1232-1239	6.7	27
83	Targeting the IL33-NLRP3 axis improves therapy for experimental cerebral malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 7404-7409	11.5	27
82	Interleukin-1 mediates neuroinflammatory changes associated with diet-induced atherosclerosis. <i>Journal of the American Heart Association</i> , 2012 , 1, e002006	6	26
81	Interleukin-1 mediates ischaemic brain injury via distinct actions on endothelial cells and cholinergic neurons. <i>Brain, Behavior, and Immunity</i> , 2019 , 76, 126-138	16.6	26
80	Neutrophil infiltration to the brain is platelet-dependent, and is reversed by blockade of platelet GPIIb/IIIa. <i>Immunology</i> , 2018 , 154, 322-328	7.8	25
79	Long-term functional recovery and compensation after cerebral ischemia in rats. <i>Behavioural Brain Research</i> , 2014 , 270, 18-28	3.4	25
78	Requirement for interleukin-1 to drive brain inflammation reveals tissue-specific mechanisms of innate immunity. <i>European Journal of Immunology</i> , 2015 , 45, 525-30	6.1	25
77	Maternal high-fat diet worsens memory deficits in the triple-transgenic (3xTgAD) mouse model of Alzheimer's disease. <i>PLoS ONE</i> , 2014 , 9, e99226	3.7	25
76	Efficacy of Alteplase in a Mouse Model of Acute Ischemic Stroke: A Retrospective Pooled Analysis. <i>Stroke</i> , 2016 , 47, 1312-1318	6.7	25
75	Neurodegenerative actions of interleukin-1 in the rat brain are mediated through increases in seizure activity. <i>Journal of Neuroscience Research</i> , 2006 , 83, 385-91	4.4	24
74	Influence of corticotrophin releasing factor on neuronal cell death in vitro and in vivo. <i>Brain Research</i> , 2000 , 881, 139-43	3.7	24
73	The interleukin-1 system: an attractive and viable therapeutic target in neurodegenerative disease. <i>CNS and Neurological Disorders</i> , 2003 , 2, 293-302		23
72	Small, Thin Graphene Oxide Is Anti-inflammatory Activating Nuclear Factor Erythroid 2-Related Factor 2 via Metabolic Reprogramming. <i>ACS Nano</i> , 2018 , 12, 11949-11962	16.7	23
71	Interleukin-1 as a pharmacological target in acute brain injury. <i>Experimental Physiology</i> , 2015 , 100, 1488-94		21
70	Isolation and Cultivation of Primary Brain Endothelial Cells from Adult Mice. <i>Bio-protocol</i> , 2017 , 7,	0.9	21
69	Characterization of a conditional interleukin-1 receptor 1 mouse mutant using the Cre/LoxP system. <i>European Journal of Immunology</i> , 2016 , 46, 912-8	6.1	21
68	Acute high-fat feeding leads to disruptions in glucose homeostasis and worsens stroke outcome. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 1026-1037	7.3	20
67	Preceding infection and risk of stroke: An old concept revived by the COVID-19 pandemic. <i>International Journal of Stroke</i> , 2020 , 15, 722-732	6.3	19

66	Pentraxin 3 promotes long-term cerebral blood flow recovery, angiogenesis, and neuronal survival after stroke. <i>Journal of Molecular Medicine</i> , 2018 , 96, 1319-1332	5.5	19
65	Emerging roles of the acute phase protein pentraxin-3 during central nervous system disorders. <i>Journal of Neuroimmunology</i> , 2016 , 292, 27-33	3.5	18
64	Systematic review and meta-analysis of the efficacy of statins in experimental stroke. <i>International Journal of Stroke</i> , 2012 , 7, 150-6	6.3	18
63	Varied actions of proinflammatory cytokines on excitotoxic cell death in the rat central nervous system. <i>Journal of Neuroscience Research</i> , 2002 , 67, 428-34	4.4	18
62	Interleukin-1 beta and interleukin-1 receptor antagonist do not affect glutamate release or calcium entry in rat striatal synaptosomes. <i>Molecular Psychiatry</i> , 1998 , 3, 178-82	15.1	17
61	Site-specific actions of interleukin-1 on excitotoxic cell death in the rat striatum. <i>Brain Research</i> , 2002 , 926, 142-8	3.7	17
60	Dissociation between the effects of interleukin-1 on excitotoxic brain damage and body temperature in the rat. <i>Brain Research</i> , 1999 , 830, 32-7	3.7	17
59	Development of a characterised tool kit for the interrogation of NLRP3 inflammasome-dependent responses. <i>Scientific Reports</i> , 2018 , 8, 5667	4.9	16
58	Systemic inflammation affects reperfusion following transient cerebral ischaemia. <i>Experimental Neurology</i> , 2016 , 277, 252-260	5.7	16
57	Selective increases in cytokine expression in the rat brain in response to striatal injection of alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionate and interleukin-1. <i>Molecular Brain Research</i> , 2001 , 93, 180-9		16
56	Systemic conditioned medium treatment from interleukin-1 primed mesenchymal stem cells promotes recovery after stroke. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 32	8.3	13
55	ADAMTS-9 expression is up-regulated following transient middle cerebral artery occlusion (tMCAo) in the rat. <i>Neuroscience Letters</i> , 2009 , 452, 252-7	3.3	13
54	The neurovascular unit and the key role of astrocytes in the regulation of cerebral blood flow. <i>Cerebrovascular Diseases</i> , 2006 , 21, 137-8	3.2	13
53	Stroke: The past, present and future. <i>Brain and Neuroscience Advances</i> , 2018 , 2, 2398212818810689	4	13
52	Assessing Inflammation in Acute Intracerebral Hemorrhage with PK11195 PET and Dynamic Contrast-Enhanced MRI. <i>Journal of Neuroimaging</i> , 2018 , 28, 158-161	2.8	12
51	Occult cerebrovascular disease and late-onset epilepsy: could loss of neurovascular unit integrity be a viable model?. <i>Cardiovascular Psychiatry and Neurology</i> , 2011 , 2011, 130406		12
50	Using zebrafish larval models to study brain injury, locomotor and neuroinflammatory outcomes following intracerebral haemorrhage. <i>F1000Research</i> , 2018 , 7, 1617	3.6	12
49	Generation of Human Mesenchymal Stem Cell 3D Spheroids Using Low-binding Plates. <i>Bio-protocol</i> , 2018 , 8,	0.9	12

48	An Endovascular Perforation Model of Subarachnoid Haemorrhage in Rat Produces Heterogeneous Infarcts that Increase with Blood Load. <i>Translational Stroke Research</i> , 2012 , 3, 164-72	7.8	11
47	Cortical death caused by striatal administration of AMPA and interleukin-1 is mediated by activation of cortical NMDA receptors. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2000 , 20, 1409-13	7.3	11
46	Variations in inflammation-related genes may be associated with childhood febrile seizure susceptibility. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014 , 23, 457-61	3.2	10
45	Stroke Induces Prolonged Changes in Lipid Metabolism, the Liver and Body Composition in Mice. <i>Translational Stroke Research</i> , 2020 , 11, 837-850	7.8	10
44	Acid-dependent Interleukin-1 (IL-1) Cleavage Limits Available Pro-IL-1 β for Caspase-1 Cleavage. <i>Journal of Biological Chemistry</i> , 2015 , 290, 25374-81	5.4	9
43	Surgical manipulation compromises leukocyte mobilization responses and inflammation after experimental cerebral ischemia in mice. <i>Frontiers in Neuroscience</i> , 2013 , 7, 271	5.1	9
42	Using zebrafish larval models to study brain injury, locomotor and neuroinflammatory outcomes following intracerebral haemorrhage. <i>F1000Research</i> , 2018 , 7, 1617	3.6	9
41	Ligature-induced periodontitis induces systemic inflammation but does not alter acute outcome after stroke in mice. <i>International Journal of Stroke</i> , 2020 , 15, 175-187	6.3	9
40	Using Zebrafish Larvae to Study the Pathological Consequences of Hemorrhagic Stroke. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	8
39	Development & automation of a novel [(18)F]F prosthetic group, 2-[(18)F]-fluoro-3-pyridinecarboxaldehyde, and its application to an amino(oxy)-functionalised A β peptide. <i>Applied Radiation and Isotopes</i> , 2016 , 116, 120-7	1.7	8
38	A Multi-Model Pipeline for Translational Intracerebral Haemorrhage Research. <i>Translational Stroke Research</i> , 2020 , 11, 1229-1242	7.8	7
37	Decreased haemodynamic response and decoupling of cortical gamma-band activity and tissue oxygen perfusion after striatal interleukin-1 injection. <i>Journal of Neuroinflammation</i> , 2016 , 13, 195	10.1	6
36	Tuftsins derivatives of FITC, Tb-DOTA or Gd-DOTA as potential macrophage-specific imaging biomarkers. <i>Contrast Media and Molecular Imaging</i> , 2010 , 5, 223-30	3.2	5
35	Hallmarks of NLRP3 inflammasome activation are observed in organotypic hippocampal slice culture. <i>Immunology</i> , 2020 , 161, 39-52	7.8	5
34	Pentraxin 3 regulates neutrophil infiltration to the brain during neuroinflammation. <i>AMRC Open Research</i> , 2019 , 1, 10	1.3	5
33	Value of dynamic clinical and biomarker data for mortality risk prediction in COVID-19: a multicentre retrospective cohort study. <i>BMJ Open</i> , 2020 , 10, e041983	3	5
32	Systemic infection exacerbates cerebrovascular dysfunction in Alzheimer's disease. <i>Brain</i> , 2021 , 144, 1869-1883	11.2	5
31	Therapeutic potential of extracellular vesicles in preclinical stroke models: a systematic review and meta-analysis. <i>BMJ Open Science</i> , 2020 , 4, e100047	4.6	4

30	Epilepsy and the inflammasome: Targeting inflammation as a novel therapeutic strategy for seizure disorders. <i>Inflammasome</i> , 2014 , 1,		4
29	Interleukin-1 receptor antagonist in animal models of stroke: a fair summing up?. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2010 , 19, 512-3	2.8	4
28	Interleukin-1 receptor antagonist treatment in acute ischaemic stroke does not alter systemic markers of anti-microbial defence. <i>F1000Research</i> , 2019 , 8, 1039	3.6	4
27	Global proteomic analysis of extracellular matrix in mouse and human brain highlights relevance to cerebrovascular disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 2423-2438	7.3	4
26	Itaconate and fumarate derivatives inhibit priming and activation of the canonical NLRP3 inflammasome in macrophages.. <i>Immunology</i> , 2022 ,	7.8	3
25	Improved reperfusion following alternative surgical approach for experimental stroke in mice. <i>F1000Research</i> , 2020 , 9, 188	3.6	3
24	Improved reperfusion following alternative surgical approach for experimental stroke in mice. <i>F1000Research</i> , 2020 , 9, 188	3.6	3
23	Interleukin-1 receptor antagonist treatment in acute ischaemic stroke does not alter systemic markers of anti-microbial defence. <i>F1000Research</i> , 2019 , 8, 1039	3.6	3
22	Cardiovascular comorbidities, inflammation, and cerebral small vessel disease. <i>Cardiovascular Research</i> , 2021 , 117, 2575-2588	9.9	3
21	Robust Thrombolytic and Anti-Inflammatory Action of a Constitutively Active ADAMTS13 Variant in Murine Stroke Models. <i>Blood</i> , 2021 ,	2.2	2
20	A hyperacute immune map of ischaemic stroke patients reveals alterations to circulating innate and adaptive cells. <i>Clinical and Experimental Immunology</i> , 2021 , 203, 458-471	6.2	2
19	Treatment with IgM-enriched intravenous immunoglobulins (IgM-IVIg) enhances clearance of stroke-associated bacterial lung infection		2
18	Do Concentration or Activity of Selenoproteins Change in Acute Stroke Patients? A Systematic Review and Meta-Analyses.. <i>Cerebrovascular Diseases</i> , 2022 , 1-12	3.2	1
17	Interleukin-1 receptor antagonist treatment in acute ischaemic stroke does not alter systemic markers of anti-microbial defence		1
16	Characterisation of microvessel blood velocity and segment length in the brain using multi-diffusion-time diffusion-weighted MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 1939-1953	7.3	1
15	Beyond Antoni: A Surgeon's Guide to the Vestibular Schwannoma Microenvironment.. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2022 , 83, 1-10	1.5	1
14	Glyceryl trinitrate for the treatment of ischaemic stroke: Determining efficacy in rodent and ovine species for enhanced clinical translation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 3248-3259	7.3	1
13	Revisiting promising preclinical intracerebral hemorrhage studies to highlight repurposable drugs for translation. <i>International Journal of Stroke</i> , 2021 , 16, 123-136	6.3	1

12	Itaconate and fumarate derivatives exert a dual inhibitory effect on canonical NLRP3 activation in macrophages and microglia		1
11	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 ^o	7.3	o
10	Letter by McColl et al regarding article, "influenza virus infection aggravates stroke outcome". <i>Stroke</i> , 2011 , 42, e416; author reply e417	6.7	o
9	Anti-inflammatory modulators in stroke. <i>Drug Discovery Today: Therapeutic Strategies</i> , 2004 , 1, 59-67		o
8	Regenerative Potential of Hydrogels for Intracerebral Hemorrhage: Lessons from Ischemic Stroke and Traumatic Brain Injury Research. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100455	10.1	o
7	Influence of metabolic syndrome on post-stroke outcome, angiogenesis and vascular function in old rats determined by dynamic contrast enhanced MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 1692-1706	7.3	o
6	Systematic review: Association between circulating microRNA expression & stroke.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022 , 271678X221085090	7.3	o
5	Sites and mechanisms of IL-1 action in ischemic and excitotoxic brain damage 2002 , 237-246		
4	Does previous stroke modify the relationship between inflammatory biomarkers and clinical endpoints in CKD patients?. <i>BMC Nephrology</i> , 2022 , 23, 38	2.7	
3	A novel genotyping method to determine copy number in a mouse line commonly used for inducible transgene expression in brain and spinal cord. <i>F1000Research</i> , 9, 1249	3.6	
2	A novel genotyping method to determine copy number in a mouse line commonly used for inducible transgene expression in brain and spinal cord. <i>F1000Research</i> , 9, 1249	3.6	
1	Peripheral administration of interleukin-1 β exacerbates ischaemic brain damage after transient focal ischaemia in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, S103-S103	7.3	