Richard F Keep

List of Publications by Year
in descending order

351 papers	23,185 citations	7096 78 h-index	11308 136 g-index
358 all docs	358 docs citations	358 times ranked	15632 citing authors

#	Article	IF	Citations
1	Mechanisms of brain injury after intracerebral haemorrhage. Lancet Neurology, The, 2006, 5, 53-63.	10.2	1,211
2	Intracerebral haemorrhage: mechanisms of injury and therapeutic targets. Lancet Neurology, The, 2012, 11, 720-731.	10.2	980
3	Blood-brain barrier dysfunction and recovery after ischemic stroke. Progress in Neurobiology, 2018, 163-164, 144-171.	5.7	565
4	Behavioral Tests After Intracerebral Hemorrhage in the Rat. Stroke, 2002, 33, 2478-2484.	2.0	454
5	Brain Endothelial Cell-Cell Junctions: How to “Open” the Blood Brain Barrier. Current Neuropharmacology, 2008, 6, 179-192.	2.9	433
6	Brain edema after experimental intracerebral hemorrhage: role of hemoglobin degradation products. Journal of Neurosurgery, 2002, 96, 287-293.	1.6	402
7	Iron and Iron-Handling Proteins in the Brain After Intracerebral Hemorrhage. Stroke, 2003, 34, 2964-2969.	2.0	365
8	Potential role of MCP-1 in endothelial cell tight junction `opening': signaling via Rho and Rho kinase. Journal of Cell Science, 2003, 116, 4615-4628.	2.0	345
9	Monocyte Chemoattractant Protein-1 Regulation of Bloodâ€“Brain Barrier Permeability. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 593-606.	4.3	335
10	Role of Blood Clot Formation on Early Edema Development After Experimental Intracerebral Hemorrhage. Stroke, 1998, 29, 2580-2586.	2.0	329
11	Edema from intracerebral hemorrhage: the role of thrombin. Journal of Neurosurgery, 1996, 84, 91-96.	1.6	326
12	The role of thrombin and thrombin receptors in ischemic, hemorrhagic and traumatic brain injury: deleterious or protective?. Journal of Neurochemistry, 2003, 84, 3-9.	3.9	317
13	Absence of the Chemokine Receptor CCR2 Protects Against Cerebral Ischemia/Reperfusion Injury in Mice. Stroke, 2007, 38, 1345-1353.	2.0	311
14	Rapid endothelial cytoskeletal reorganization enables early bloodâ€“brain barrier disruption and long-term ischaemic reperfusion brain injury. Nature Communications, 2016, 7, 10523.	12.8	309
15	Acute inflammatory reaction following experimental intracerebral hemorrhage in rat. Brain Research, 2000, 871, 57-65.	2.2	300
16	Erythrocytes and delayed brain edema formation following intracerebral hemorrhage in rats. Journal of Neurosurgery, 1998, 89, 991-996.	1.6	295
17	Junctional proteins of the blood-brain barrier: New insights into function and dysfunction. Tissue Barriers, 2016, 4, e1154641.	3.2	261
18	Deferoxamine-induced attenuation of brain edema and neurological deficits in a rat model of intracerebral hemorrhage. Journal of Neurosurgery, 2004, 100, 672-678.	1.6	259

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19	Brain Injury After Intracerebral Hemorrhage. Stroke, 2007, 38, 759-762.	2.0	256
20	Long-term effects of experimental intracerebral hemorrhage: the role of iron. Journal of Neurosurgery, 2006, 104, 305-312.	1.6	216
21	Effects of the Chemokine CCL2 on Bloodâ€"Brain Barrier Permeability during Ischemiaâ€"Reperfusion Injury. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 797-810.	4.3	205
22	Attenuation of Thrombin-Induced Brain Edema by Cerebral Thrombin Preconditioning. Stroke, 1999, 30, 1247-1255.	2.0	204
23	Oxidative brain injury from extravasated erythrocytes after intracerebral hemorrhage. Brain Research, 2002, 953, 45-52.	2.2	201
24	Pathophysiology of brain edema formation. Neurosurgery Clinics of North America, 2002, 13, 371-383.	1.7	192
25	Mechanisms of Edema Formation After Intracerebral Hemorrhage. Stroke, 2001, 32, 2932-2938.	2.0	191
26	Mechanisms of Hydrocephalus After Neonatal and Adult Intraventricular Hemorrhage. Translational Stroke Research, 2012, 3, 25-38.	4.2	179
27	Vascular disruption and bloodâ€"brain barrier dysfunction in intracerebral hemorrhage. Fluids and Barriers of the CNS, 2014, 11, 18.	5.0	174
28	CCL2 Regulates Angiogenesis via Activation of Ets-1 Transcription Factor. Journal of Immunology, 2006, 177, 2651-2661.	0.8	170
29	Injury mechanisms in acute intracerebral hemorrhage. Neuropharmacology, 2018, 134, 240-248.	4.1	168
30	Protein Kinase CÎ±-RhoA Cross-talk in CCL2-induced Alterations in Brain Endothelial Permeability. Journal of Biological Chemistry, 2006, 281, 8379-8388.	3.4	167
31	A balanced view of choroid plexus structure and function: Focus on adult humans. Experimental Neurology, 2015, 267, 78-86.	4.1	167
32	Intracerebral Hemorrhage-induced Neuronal Death. Neurosurgery, 2001, 48, 875-883.	1.1	164
33	Caveolae-mediated Internalization of Occludin and Claudin-5 during CCL2-induced Tight Junction Remodeling in Brain Endothelial Cells. Journal of Biological Chemistry, 2009, 284, 19053-19066.	3.4	158
34	Deferoxamine Reduces Intracerebral Hematoma-Induced Iron Accumulation and Neuronal Death in Piglets. Stroke, 2009, 40, 2241-2243.	2.0	156
35	Complement activation in the brain after experimental intracerebral hemorrhage. Journal of Neurosurgery, 2000, 92, 1016-1022.	1.6	154
36	Peptide and peptide analog transport systems at the blood?CSF barrier. Advanced Drug Delivery Reviews, 2004, 56, 1765-1791.	13.7	145

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37	Hemoglobin and Iron Handling in Brain after Subarachnoid Hemorrhage and the Effect of Deferoxamine on Early Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1793-1803.	4.3	142
38	Bloodâ€"Brain Barrier Permeability and Brain Concentration of Sodium, Potassium, and Chloride during Focal Ischemia. Journal of Cerebral Blood Flow and Metabolism, 1994, 14, 29-37.	4.3	141
39	Oxidative DNA injury after experimental intracerebral hemorrhage. Brain Research, 2005, 1039, 30-36.	2.2	141
40	Role of Iron in Brain Injury After Intraventricular Hemorrhage. Stroke, 2011, 42, 465-470.	2.0	141
41	Progress in translational research on intracerebral hemorrhage: Is there an end in sight?. Progress in Neurobiology, 2014, 115, 45-63.	5.7	132
42	Effects of Deferoxamine on Intracerebral Hemorrhage-Induced Brain Injury in Aged Rats. Stroke, 2009, 40, 1858-1863.	2.0	131
43	Intracerebral Hemorrhage. Stroke, 2004, 35, 2571-2575.	2.0	127
44	Edaravone Attenuates Brain Edema and Neurologic Deficits in a Rat Model of Acute Intracerebral Hemorrhage. Stroke, 2008, 39, 463-469.	2.0	126
45	Hyperglycemia and the Vascular Effects of Cerebral Ischemia. Stroke, 1997, 28, 149-154.	2.0	126
46	Brain endothelial cell junctions after cerebral hemorrhage: Changes, mechanisms and therapeutic targets. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1255-1275.	4.3	123
47	Intracerebral infusion of thrombin as a cause of brain edema. Journal of Neurosurgery, 1995, 83, 1045-1050.	1.6	121
48	Delayed Argatroban Treatment Reduces Edema in a Rat Model of Intracerebral Hemorrhage. Stroke, 2002, 33, 3012-3018.	2.0	121
49	Microglia Activation and Polarization After Intracerebral Hemorrhage in Mice: the Role of Protease-Activated Receptor-1. Translational Stroke Research, 2016, 7, 478-487.	4.2	120
50	Systemic Complement Depletion Diminishes Perihematomal Brain Edema in Rats. Stroke, 2001, 32, 162-167.	2.0	119
51	Endothelium-targeted overexpression of heat shock protein 27 ameliorates bloodâ€"brain barrier disruption after ischemic brain injury. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1243-E1252.	7.1	119
52	Tumor Necrosis Factor-Î± Increases in the Brain after Intracerebral Hemorrhage and Thrombin Stimulation. Neurosurgery, 2006, 58, 542-550.	1.1	117
53	Role of Red Blood Cell Lysis and Iron in Hydrocephalus after Intraventricular Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1070-1075.	4.3	117
54	Attenuation of Ischemic Brain EDEMA and Cerebrovascular Injury after Ischemic Preconditioning in the Rat. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 22-33.	4.3	115

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55	Intracerebral Hemorrhage in Mice: Model Characterization and Application for Genetically Modified Mice. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 487-494.	4.3	113
56	Deferoxamine Treatment for Intracerebral Hemorrhage in Aged Rats. Stroke, 2010, 41, 375-382.	2.0	113
57	Minocycline-Induced Attenuation of Iron Overload and Brain Injury After Experimental Intracerebral Hemorrhage. Stroke, 2011, 42, 3587-3593.	2.0	110
58	COMPARISON OF EXPERIMENTAL RAT MODELS OF EARLY BRAIN INJURY AFTER SUBARACHNOID HEMORRHAGE. Neurosurgery, 2009, 65, 331-343.	1.1	107
59	Autophagy after Experimental Intracerebral Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 897-905.	4.3	106
60	Brain Water Content: a Misunderstood Measurement?. Translational Stroke Research, 2012, 3, 263-265.	4.2	106
61	Therapeutic targeting of oxygen-sensing prolyl hydroxylases abrogates ATF4-dependent neuronal death and improves outcomes after brain hemorrhage in several rodent models. Science Translational Medicine, 2016, 8, 328ra29.	12.4	106
62	Na+ and K+ ion imbalances in Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1671-1681.	3.8	105
63	Role of PEPT2 in Peptide/Mimetic Trafficking at the Blood-Cerebrospinal Fluid Barrier: Studies in Rat Choroid Plexus Epithelial Cells in Primary Culture. Journal of Pharmacology and Experimental Therapeutics, 2002, 301, 820-829.	2.5	104
64	Brain iron overload following intracranial haemorrhage. Stroke and Vascular Neurology, 2016, 1, 172-184.	3.3	101
65	Hematoma Changes During Clot Resolution After Experimental Intracerebral Hemorrhage. Stroke, 2016, 47, 1626-1631.	2.0	96
66	Microglia/Macrophage Polarization After Experimental Intracerebral Hemorrhage. Translational Stroke Research, 2015, 6, 407-409.	4.2	94
67	Attenuation of intracerebral hemorrhage and thrombin-induced brain edema by overexpression of interleukin-1 receptor antagonist. Journal of Neurosurgery, 2001, 95, 680-686.	1.6	91
68	Thrombin-Receptor Activation and Thrombin-Induced Brain Tolerance. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 404-410.	4.3	89
69	Decline in Sirtuin-1 expression and activity plays a critical role in blood-brain barrier permeability in aging. Neurobiology of Disease, 2019, 126, 105-116.	4.4	89
70	Early Erythrolysis in the Hematoma After Experimental Intracerebral Hemorrhage. Translational Stroke Research, 2017, 8, 174-182.	4.2	88
71	Intraventricular Infusion of Vascular Endothelial Growth Factor Promotes Cerebral Angiogenesis with Minimal Brain Edema. Neurosurgery, 2002, 50, 589-598.	1.1	86
72	Targeted Disruption of the PEPT2 Gene Markedly Reduces Dipeptide Uptake in Choroid Plexus. Journal of Biological Chemistry, 2003, 278, 4786-4791.	3.4	86

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73	Claudin-1-Dependent Destabilization of the Bloodâ€"Brain Barrier in Chronic Stroke. Journal of Neuroscience, 2019, 39, 743-757.	3.6	86
74	Role and Relevance of Peptide Transporter 2 (PEPT2) in the Kidney and Choroid Plexus: In Vivo Studies with Glycylsarcosine in Wild-Type and PEPT2 Knockout Mice. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 240-247.	2.5	85
75	The Role of Complement C3 in Intracerebral Hemorrhage-Induced Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 1490-1495.	4.3	84
76	Hyperbaric Oxygen-Induced Attenuation of Hemorrhagic Transformation After Experimental Focal Transient Cerebral Ischemia. Stroke, 2007, 38, 1362-1367.	2.0	84
77	Activated autophagy pathway in experimental subarachnoid hemorrhage. Brain Research, 2009, 1287, 126-135.	2.2	84
78	Deferoxamine Reduces Neuronal Death and Hematoma Lysis After Intracerebral Hemorrhage in Aged Rats. Translational Stroke Research, 2013, 4, 546-553.	4.2	84
79	Role of Hemoglobin and Iron in Hydrocephalus After Neonatal Intraventricular Hemorrhage. Neurosurgery, 2014, 75, 696-706.	1.1	83
80	Immunolocalization of the Proton-Coupled Oligopeptide Transporter PEPT2 in Developing Rat Brain. Molecular Pharmaceutics, 2004, 1, 248-256.	4.6	79
81	Hydrocephalus after Intraventricular Hemorrhage: The Role of Thrombin. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 489-494.	4.3	79
82	Role and Relevance of PEPT2 in Drug Disposition, Dynamics, and Toxicity. Drug Metabolism and Pharmacokinetics, 2008, 23, 236-242.	2.2	77
83	Effects of Thrombin on Neurogenesis After Intracerebral Hemorrhage. Stroke, 2008, 39, 2079-2084.	2.0	76
84	Deferoxamine Attenuates Acute Hydrocephalus After Traumatic Brain Injury in Rats. Translational Stroke Research, 2014, 5, 586-594.	4.2	76
85	Antioxidative effects of Panax notoginseng saponins in brain cells. Phytomedicine, 2014, 21, 1189-1195.	5.3	76
86	Impact of Genetic Knockout of PEPT2 on Cefadroxil Pharmacokinetics, Renal Tubular Reabsorption, and Brain Penetration in Mice. Drug Metabolism and Disposition, 2007, 35, 1209-1216.	3.3	75
87	The effects of thrombin preconditioning on focal cerebral ischemia in rats. Brain Research, 2000, 867, 173-179.	2.2	74
88	Effect of Sustained-Mild and Transient-Severe Hyperglycemia on Ischemia-Induced Bloodâ€"Brain Barrier Opening. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1573-1582.	4.3	74
89	The Deleterious or Beneficial Effects of Different Agents in Intracerebral Hemorrhage. Stroke, 2005, 36, 1594-1596.	2.0	73
90	Endocytosis of tight junction proteins and the regulation of degradation and recycling. Annals of the New York Academy of Sciences, 2017, 1397, 54-65.	3.8	73

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91	Minocycline reduces intracerebral hemorrhage-induced brain injury. Neurological Research, 2009, 31, 183-188.	1.3	72
92	Subarachnoid Hemorrhage-Induced Hydrocephalus in Rats. Stroke, 2013, 44, 547-550.	2.0	72
93	Inhibition of junctional adhesion molecule-A/LFA interaction attenuates leukocyte trafficking and inflammation in brain ischemia/reperfusion injury. Neurobiology of Disease, 2014, 67, 57-70.	4.4	72
94	White Matter Injury After Subarachnoid Hemorrhage. Stroke, 2015, 46, 2909-2915.	2.0	72
95	Influence of genetic knockout of <i>Pept2</i> on the in vivo disposition of endogenous and exogenous carnosine in wild-type and <i>Pept2</i> null mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R986-R991.	1.8	71
96	Deferoxamine Attenuates White Matter Injury in a Piglet Intracerebral Hemorrhage Model. Stroke, 2014, 45, 290-292.	2.0	70
97	Plasminogen Activators Potentiate Thrombin-Induced Brain Injury. Stroke, 1998, 29, 1202-1208.	2.0	69
98	Intracerebral Hemorrhage: Pathophysiology and Therapy. Neurocritical Care, 2004, 1, 5-18.	2.4	69
99	Hypoxia-Inducible Factor-1Î± Accumulation in the Brain after Experimental Intracerebral Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 689-696.	4.3	67
100	Thrombin Preconditioning Attenuates Brain Edema Induced by Erythrocytes and Iron. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 1448-1454.	4.3	67
101	Role of Erythrocyte CD47 in Intracerebral Hematoma Clearance. Stroke, 2016, 47, 505-511.	2.0	67
102	Intracerebral Hirudin Injection Attenuates Ischemic Damage and Neurologic Deficits without Altering Local Cerebral Blood Flow. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 159-166.	4.3	66
103	Plasminogen Activator Inhibitor-1 Induction after Experimental Intracerebral Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 55-61.	4.3	65
104	CD163 Expression in Neurons After Experimental Intracerebral Hemorrhage. Stroke, 2017, 48, 1369-1375.	2.0	65
105	Holo-Transferrin and Thrombin Can Interact to Cause Brain Damage. Stroke, 2005, 36, 348-352.	2.0	64
106	Role of iron in brain lipocalin 2 upregulation after intracerebral hemorrhage in rats. Brain Research, 2013, 1505, 86-92.	2.2	64
107	Estrogen therapy for experimental intracerebral hemorrhage in rats. Journal of Neurosurgery, 2005, 103, 97-103.	1.6	62
108	Relocalization of Junctional Adhesion Molecule A during Inflammatory Stimulation of Brain Endothelial Cells. Molecular and Cellular Biology, 2012, 32, 3414-3427.	2.3	62

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109	Hemoglobin-induced neuronal degeneration in the hippocampus after neonatal intraventricular hemorrhage. Brain Research, 2016, 1635, 86-94.	2.2	61
110	Enhancement of Hematoma Clearance With CD47 Blocking Antibody in Experimental Intracerebral Hemorrhage. Stroke, 2019, 50, 1539-1547.	2.0	61
111	Development of a Rat Model of Photothrombotic Ischemia and Infarction Within the Caudoputamen. Stroke, 2009, 40, 248-253.	2.0	60
112	Acute White Matter Injury After Experimental Subarachnoid Hemorrhage. Stroke, 2014, 45, 2141-2143.	2.0	60
113	Intraventricular Hemorrhage: the Role of Blood Components in Secondary Injury and Hydrocephalus. Translational Stroke Research, 2016, 7, 447-451.	4.2	60
114	Critical Role of the Sphingolipid Pathway in Stroke: a Review of Current Utility and Potential Therapeutic Targets. Translational Stroke Research, 2016, 7, 420-438.	4.2	58
115	A New Hippocampal Model for Examining Intracerebral Hemorrhage-Related Neuronal Death. Stroke, 2007, 38, 2861-2863.	2.0	57
116	Peptide transporter 2 (PEPT2) expression in brain protects against 5â€aminolevulinic acid neurotoxicity. Journal of Neurochemistry, 2007, 103, 2058-2065.	3.9	57
117	Intact and injured endothelial cells differentially modulate postnatal murine forebrain neural stem cells. Neurobiology of Disease, 2010, 37, 218-227.	4.4	57
118	Inhibition of Carbonic Anhydrase Reduces Brain Injury After Intracerebral Hemorrhage. Translational Stroke Research, 2012, 3, 130-137.	4.2	57
119	Translational Stroke Research on Blood-Brain Barrier Damage: Challenges, Perspectives, and Goals. Translational Stroke Research, 2016, 7, 89-92.	4.2	57
120	IN VITRO CHARACTERIZATION OF A TARGETED, DYE-LOADED NANODEVICE FOR INTRAOPERATIVE TUMOR DELINEATION. Neurosurgery, 2009, 64, 965-972.	1.1	56
121	Challenges for intraventricular hemorrhage research and emerging therapeutic targets. Expert Opinion on Therapeutic Targets, 2017, 21, 1111-1122.	3.4	55
122	Nicotine aggravates the brain postischemic inflammatory response. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1518-H1529.	3.2	54
123	Hematoma clearance as a therapeutic target in intracerebral hemorrhage: From macro to micro. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 741-745.	4.3	53
124	PEPT2-mediated uptake of neuropeptides in rat choroid plexus. Pharmaceutical Research, 2001, 18, 807-813.	3.5	52
125	Role of Lipocalin-2 in Brain Injury after Intracerebral Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1454-1461.	4.3	52
126	Effects of Cerebral Ischemia on Neuronal Hemoglobin. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 596-605.	4.3	51

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127	PDCD10 (CCM3) regulates brain endothelial barrier integrity in cerebral cavernous malformation type 3: role of CCM3-ERK1/2-cortactin cross-talk. Acta Neuropathologica, 2015, 130, 731-750.	7.7	50
128	The Effects of Cerebral Ischemia on the Rat Choroid Plexus. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 675-683.	4.3	49
129	Anti-oxidative effects of d-allose, a rare sugar, on ischemia-reperfusion damage following focal cerebral ischemia in rat. Neuroscience Letters, 2011, 487, 103-106.	2.1	49
130	Connexin 43 gap junctions contribute to brain endothelial barrier hyperpermeability in familial cerebral cavernous malformations type III by modulating tight junction structure. FASEB Journal, 2018, 32, 2615-2629.	0.5	49
131	Property-based design of a glucosylceramide synthase inhibitor that reduces glucosylceramide in the brain. Journal of Lipid Research, 2012, 53, 282-291.	4.2	48
132	Role of Protease-Activated Receptor-1 in Brain Injury After Experimental Global Cerebral Ischemia. Stroke, 2012, 43, 2476-2482.	2.0	48
133	Thrombin-Induced Cerebral Hemorrhage: Role of Protease-Activated Receptor-1. Translational Stroke Research, 2014, 5, 472-475.	4.2	48
134	Glutamine Uptake at the Blood-Brain Barrier Is Mediated by N-System Transport. Journal of Neurochemistry, 2002, 71, 2565-2573.	3.9	47
135	The Protective Effects of Preconditioning on Cerebral Endothelial Cells in Vitro. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 1348-1355.	4.3	47
136	Thrombin-induced autophagy: A potential role in intracerebral hemorrhage. Brain Research, 2011, 1424, 60-66.	2.2	47
137	Cerebrospinal fluid production by the choroid plexus: a century of barrier research revisited. Fluids and Barriers of the CNS, 2022, 19, 26.	5.0	47
138	Decrease in Perfusion of Cerebral Capillaries during Incomplete Ischemia and Reperfusion. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 213-220.	4.3	46
139	Minocycline attenuates brain injury and iron overload after intracerebral hemorrhage in aged female rats. Neurobiology of Disease, 2019, 126, 76-84.	4.4	46
140	The Role of Thrombin in Brain Injury After Hemorrhagic and Ischemic Stroke. Translational Stroke Research, 2021, 12, 496-511.	4.2	46
141	CD163, a Hemoglobin/Haptoglobin Scavenger Receptor, After Intracerebral Hemorrhage: Functions in Microglia/Macrophages Versus Neurons. Translational Stroke Research, 2017, 8, 612-616.	4.2	45
142	Glutamine transport at the bloodâ€“brain and bloodâ€“cerebrospinal fluid barriers. Neurochemistry International, 2003, 43, 279-288.	3.8	44
143	Carnosine uptake in rat choroid plexus primary cell cultures and choroid plexus whole tissue from PEPT2 null mice. Journal of Neurochemistry, 2004, 89, 375-382.	3.9	44
144	PEPT2-mediated transport of 5-aminolevulinic acid and carnosine in astrocytes. Brain Research, 2006, 1122, 18-23.	2.2	44

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145	Minocycline Effects on Intracerebral Hemorrhage-Induced Iron Overload in Aged Rats. Stroke, 2018, 49, 995-1002.	2.0	44
146	Comparison of cerebral blood flow and injury following intracerebral and subdural hematoma in the rat. Brain Research, 1999, 829, 125-133.	2.2	43
147	Inducible cyclooxygenase-2 expression after experimental intracerebral hemorrhage. Brain Research, 2001, 901, 38-46.	2.2	42
148	MRI Characterization in the Acute Phase of Experimental Subarachnoid Hemorrhage. Translational Stroke Research, 2017, 8, 234-243.	4.2	42
149	Endothelial Targets in Stroke. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2240-2247.	2.4	42
150	Brain Ceruloplasmin Expression After Experimental Intracerebral Hemorrhage and Protection Against Iron-Induced Brain Injury. Translational Stroke Research, 2019, 10, 112-119.	4.2	42
151	Recommendations for Clinical Trials in ICH. Stroke, 2020, 51, 1333-1338.	2.0	42
152	Preliminary investigation into the expression of proton-coupled oligopeptide transporters in neural retina and retinal pigment epithelium (RPE): lack of functional activity in RPE plasma membranes. Pharmaceutical Research, 2003, 20, 1364-1372.	3.5	41
153	Basic and Translational Research in Intracerebral Hemorrhage. Stroke, 2018, 49, 1308-1314.	2.0	41
154	Effects of deferoxamine on brain injury after transient focal cerebral ischemia in rats with hyperglycemia. Brain Research, 2009, 1291, 113-121.	2.2	40
155	The Brain Tumor Window Model. Neurosurgery, 2010, 66, 736-743.	1.1	40
156	Brain Alpha- and Beta-Globin Expression after Intracerebral Hemorrhage. Translational Stroke Research, 2010, 1, 48-56.	4.2	40
157	Deferoxamine reduces intracerebral hemorrhage-induced white matter damage in aged rats. Experimental Neurology, 2015, 272, 128-134.	4.1	40
158	Deferoxamine-induced attenuation of brain edema and neurological deficits in a rat model of intracerebral hemorrhage. Neurosurgical Focus, 2003, 15, 1-7.	2.3	39
159	Mechanisms of Cefadroxil Uptake in the Choroid Plexus: Studies in Wild-Type and PEPT2 Knockout Mice. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 462-467.	2.5	39
160	Involvement of Epigenetic Mechanisms and Non-coding RNAs in Blood-Brain Barrier and Neurovascular Unit Injury and Recovery After Stroke. Frontiers in Neuroscience, 2019, 13, 864.	2.8	39
161	Novel targets, treatments, and advanced models for intracerebral haemorrhage. EBioMedicine, 2022, 76, 103880.	6.1	39
162	Bloodâ€“brain barrier mechanisms involved in brain calcium and potassium homeostasis. Brain Research, 1999, 815, 200-205.	2.2	38

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163	Choroid plexus transport: gene deletion studies. Fluids and Barriers of the CNS, 2011, 8, 26.	5.0	38
164	Modeling bloodâ€“brain barrier pathology in cerebrovascular disease in vitro: current and future paradigms. Fluids and Barriers of the CNS, 2020, 17, 44.	5.0	38
165	CD47 Blocking Antibody Accelerates Hematoma Clearance After Intracerebral Hemorrhage in Aged Rats. Translational Stroke Research, 2020, 11, 541-551.	4.2	37
166	Activation of p44/42 mitogen activated protein kinases in thrombin-induced brain tolerance. Brain Research, 2001, 895, 153-159.	2.2	36
167	Role of PEPT2 in the Choroid Plexus Uptake of Glycylsarcosine and 5-Aminolevulinic Acid: Studies in Wild-Type and Null Mice. Pharmaceutical Research, 2004, 21, 1680-1685.	3.5	36
168	Thrombin preconditioning provides protection in a 6-hydroxydopamine Parkinson's disease model. Neuroscience Letters, 2005, 373, 189-194.	2.1	36
169	Characterization of an improved double hemorrhage rat model for the study of delayed cerebral vasospasm. Journal of Neuroscience Methods, 2008, 168, 358-366.	2.5	36
170	Intercellular cross-talk in intracerebral hemorrhage. Brain Research, 2015, 1623, 97-109.	2.2	35
171	The choroid plexus as a site of damage in hemorrhagic and ischemic stroke and its role in responding to injury. Fluids and Barriers of the CNS, 2017, 14, 8.	5.0	35
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344	Response by Hua et al to Letter Regarding Article, â€œEnhancement of Hematoma Clearance With CD47 Blocking Antibody in Experimental Intracerebral Hemorrhageâ€. Stroke, 2019, 50, e266.	2.0	0
345	The Two Faces of Estrogen in Experimental Hemorrhagic Stroke. Translational Stroke Research, 2021, , 1.	4.2	0
346	The Bloodâ€šÃ„Ã¬CSF Barrier and Cerebral Ischemia. , 2005, , 345-360.		0
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348	Impact of Genetic Knockout of PEPT2 on the Pharmacokinetics, Renal Tubular Reabsorption, and Brain Penetration of Cefadroxil in Transgenic Mice. FASEB Journal, 2008, 22, 184.5.	0.5	0
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350	Iron as a Therapeutic Target in Intracerebral Hemorrhage: Preclinical Testing of Deferoxamine. , 2012, , 403-416.		0
351	Preconditioning and Intracerebral Hemorrhage. , 2013, , 309-316.		0