Tadeusz Wieloch

List of Publications by Year
in descending order

205 papers	14,966 citations	13099 68 h-index	20961 115 g-index
208 all docs	208 docs citations	208 times ranked	10441 citing authors

#	Article	IF	Citations
1	Models for studying long-term recovery following forebrain ischemia in the rat. 2. A 2-vessel occlusion model. Acta Neurologica Scandinavica, 1984, 69, 385-401.	2.1	729
2	Uncoupling protein-2 prevents neuronal death and diminishes brain dysfunction after stroke and brain trauma. Nature Medicine, 2003, 9, 1062-1068.	30.7	467
3	The distribution of hypoglycemic brain damage. Acta Neuropathologica, 1984, 64, 177-191.	7.7	369
4	Calcium Accumulation and Neuronal Damage in the Rat Hippocampus following Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 1987, 7, 89-95.	4.3	369
5	Cyclosporin A, But Not FK 506, Protects Mitochondria and Neurons against Hypoglycemic Damage and Implicates the Mitochondrial Permeability Transition in Cell Death. Journal of Neuroscience, 1998, 18, 5151-5159.	3.6	348
6	Plasma fibronectin supports neuronal survival and reduces brain injury following transient focal cerebral ischemia but is not essential for skin-wound healing and hemostasis.. Nature Medicine, 2001, 7, 324-330.	30.7	311
7	Postischemic Blockade of AMPA but Not NMDA Receptors Mitigates Neuronal Damage in the Rat Brain following Transient Severe Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 1992, 12, 2-11.	4.3	310
8	Novel Pharmacologic Strategies in the Treatment of Experimental Traumatic Brain Injury: 1998. Journal of Neurotrauma, 1998, 15, 731-769.	3.4	294
9	Mechanisms of neural plasticity following brain injury. Current Opinion in Neurobiology, 2006, 16, 258-264.	4.2	290
10	Ultrastructural changes in the hippocampal CA1 region following transient cerebral ischemia: evidence against programmed cell death. Experimental Brain Research, 1992, 88, 91-105.	1.5	271
11	Influence of Acidosis on Lipid Peroxidation in Brain Tissues in vitro. Journal of Cerebral Blood Flow and Metabolism, 1985, 5, 253-258.	4.3	263
12	Evidence for amelioration of ischaemic neuronal damage in the hippocampal formation by lesions of the perforant path. Neurological Research, 1985, 7, 24-26.	1.3	243
13	Improving Outcome after Stroke: Overcoming the Translational Roadblock. Cerebrovascular Diseases, 2008, 25, 268-278.	1.7	237
14	Neurochemical Correlates to Selective Neuronal Vulnerability. Progress in Brain Research, 1985, 63, 69-85.	1.4	219
15	Moderate hypothermia mitigates neuronal damage in the rat brain when initiated several hours following transient cerebral ischemia. Acta Neuropathologica, 1994, 87, 325-331.	7.7	206
16	Blockade of the Mitochondrial Permeability Transition Pore Diminishes Infarct Size in the Rat after Transient Middle Cerebral Artery Occlusion. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 736-741.	4.3	206
17	Long-lasting Neuroprotective Effect of Postischemic Hypothermia and Treatment With an Anti-inflammatory/Antipyretic Drug. Stroke, 1996, 27, 1578-1585.	2.0	180
18	Mitochondrial permeability transition in acute neurodegeneration. Biochimie, 2002, 84, 241-250.	2.6	178

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19	Mitochondrial damage and dysfunction in traumatic brain injury. Mitochondrion, 2004, 4, 705-713.	3.4	177
20	Chronic Dexamethasone Pretreatment Aggravates Ischemic Neuronal Necrosis. Journal of Cerebral Blood Flow and Metabolism, 1986, 6, 395-404.	4.3	174
21	Pharmacological stimulation of sigma-1 receptors has neurorestorative effects in experimental parkinsonism. Brain, 2014, 137, 1998-2014.	7.6	174
22	Regional Selective Neuronal Degeneration after Protein Phosphatase Inhibition in Hippocampal Slice Cultures: Evidence for a MAP Kinase-Dependent Mechanism. Journal of Neuroscience, 1998, 18, 7296-7305.	3.6	163
23	Structural and Functional Damage Sustained by Mitochondria after Traumatic Brain Injury in the Rat: Evidence for Differentially Sensitive Populations in the Cortex and Hippocampus. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 219-231.	4.3	154
24	The sigma-1 receptor enhances brain plasticity and functional recovery after experimental stroke. Brain, 2011, 134, 732-746.	7.6	144
25	Hypothermia Prevents the Ischemia-Induced Translocation and Inhibition of Protein Kinase C in the Rat Striatum. Journal of Neurochemistry, 1991, 57, 1814-1817.	3.9	142
26	Tyrosine Phosphorylation and Activation of Mitogenâ€•Activated Protein Kinase in the Rat Brain Following Transient Cerebral Ischemia. Journal of Neurochemistry, 1994, 62, 1357-1367.	3.9	139
27	Activation of the extracellular signal-regulated protein kinase cascade in the hippocampal CA1 region in a rat model of global cerebral ischemic preconditioning. Neuroscience, 1999, 93, 81-88.	2.3	132
28	A simple in vitro model of ischemia based on hippocampal slice cultures and propidium iodide fluorescence. Brain Research Protocols, 1999, 4, 173-184.	1.6	130
29	Changes in the Activity of Protein Kinase C and the Differential Subcellular Redistribution of Its Isozymes in the Rat Striatum During and Following Transient Forebrain Ischemia. Journal of Neurochemistry, 1991, 56, 1227-1235.	3.9	129
30	Influence of Severe Hypoglycemia on Brain Extracellular Calcium and Potassium Activities, Energy, and Phospholipid Metabolism. Journal of Neurochemistry, 1984, 43, 160-168.	3.9	128
31	Cerebral Ischemia Upregulates Vascular Endothelin ET _B Receptors in Rat. Stroke, 2002, 33, 2311-2316.	2.0	127
32	Ischemic Brain Damage in Rats following Cardiac Arrest Using a Long-Term Recovery Model. Journal of Cerebral Blood Flow and Metabolism, 1985, 5, 420-431.	4.3	125
33	Flunarizine, a Calcium Entry Blocker, Ameliorates Ischemic Brain Damage in the Rat. Anesthesiology, 1986, 64, 215-224.	2.5	124
34	Powerful cyclosporin inhibition of calcium-induced permeability transition in brain mitochondria. Brain Research, 2003, 960, 99-111.	2.2	119
35	Differences in the Activation of the Mitochondrial Permeability Transition Among Brain Regions in the Rat Correlate with Selective Vulnerability. Journal of Neurochemistry, 2002, 72, 2488-2497.	3.9	116
36	Intracerebral Microdialysis of Glutamate and Aspartate Two Vascular Territories after Aneurysmal Subarachnoid Hemorrhage. Neurosurgery, 1996, 38, 12-20.	1.1	115

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37	Neuroprotective and behavioral efficacy of nerve growth factorâ€"transfected hippocampal progenitor cell transplants after experimental traumatic brain injury. Journal of Neurosurgery, 2001, 94, 765-774.	1.6	112
38	Circulating Catecholamines Modulate Ischemic Brain Damage. Journal of Cerebral Blood Flow and Metabolism, 1986, 6, 559-565.	4.3	110
39	Cerebral Extracellular Calcium Activity in Severe Hypoglycemia: Relation to Extracellular Potassium and Energy State. Journal of Cerebral Blood Flow and Metabolism, 1984, 4, 187-193.	4.3	108
40	Cortical Spreading Depression is Associated with Arachidonic Acid Accumulation and Preservation of Energy Charge. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 115-122.	4.3	107
41	Lesions of the locus coeruleus system aggravate ischemic damage in the rat brain. Neuroscience Letters, 1985, 58, 353-358.	2.1	105
42	The dentate gyrus in hypoglycemia: Pathology implicating excititoxin-mediated neuronal necrosis. Acta Neuropathologica, 1985, 67, 279-288.	7.7	104
43	Lesions of the glutamatergic cortico-striatal projections in the rat ameliorate hypoglycemic brain damage in the striatum. Neuroscience Letters, 1985, 58, 25-30.	2.1	104
44	Cyclosporin A and its nonimmunosuppressive analogue N-Me-Val-4-cyclosporin A mitigate glucose/oxygen deprivation-induced damage to rat cultured hippocampal neurons. European Journal of Neuroscience, 1999, 11, 3194-3198.	2.6	104
45	Can diffusion kurtosis imaging improve the sensitivity and specificity of detecting microstructural alterations in brain tissue chronically after experimental stroke? Comparisons with diffusion tensor imaging and histology. NeuroImage, 2014, 97, 363-373.	4.2	101
46	Impairment of protein ubiquitination may cause delayed neuronal death. Neuroscience Letters, 1989, 96, 264-270.	2.1	100
47	Evidence for a pancreatic pro-colipase and its activation by trypsin. FEBS Letters, 1979, 108, 407-410.	2.8	99
48	Death-associated Protein Kinase Is Activated by Dephosphorylation in Response to Cerebral Ischemia. Journal of Biological Chemistry, 2005, 280, 42290-42299.	3.4	99
49	Protein kinase C is translocated to cell membranes during cerebral ischemia. Neuroscience Letters, 1990, 119, 228-232.	2.1	94
50	NMDAâ€receptor blockers but not NBQX, an AMPAâ€receptor antagonist, inhibit spreading depression in the rat brain. Acta Physiologica Scandinavica, 1992, 146, 497-503.	2.2	93
51	Time Course of the Translocation and Inhibition of Protein kinase C During Complete Cerebral Ischemia in the Rat. Journal of Neurochemistry, 1993, 61, 1308-1314.	3.9	93
52	Diminished neuronal damage in the rat brain by late treatment with the antipyretic drug dipyrone or cooling following cerebral ischemia. Acta Neuropathologica, 1996, 92, 447-453.	7.7	92
53	Flow cytometric analysis of mitochondria from CA1 and CA3 regions of rat hippocampus reveals differences in permeability transition pore activation. Journal of Neurochemistry, 2003, 87, 532-544.	3.9	92
54	Inhibition of CXCL12 Signaling Attenuates the Postischemic Immune Response and Improves Functional Recovery after Stroke. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1225-1234.	4.3	92

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55	Oxidative stress, mitochondrial permeability transition and activation of caspases in calcium ionophore A23187-induced death of cultured striatal neurons. Brain Research, 2000, 857, 20-29.	2.2	89
56	Activation of p53 and its target genes p21WAF1/Cip1 and PAG608/Wig-1 in ischemic preconditioning. Molecular Brain Research, 1999, 70, 304-313.	2.3	88
57	Protection against Ischemia-Induced Neuronal Damage by the Î±₂-Adrenoceptor Antagonist Idazoxan: Influence of Time of Administration and Possible Mechanisms of Action. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 885-894.	4.3	87
58	Changes in Protein Tyrosine Phosphorylation in the Rat Brain after Cerebral Ischemia in a Model of Ischemic Tolerance. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 173-183.	4.3	86
59	Cyclosporin A prevents calpain activation despite increased intracellular calcium concentrations, as well as translocation of apoptosis-inducing factor, cytochromeâ€ƒc and caspase-3 activation in neurons exposed to transient hypoglycemia. Journal of Neurochemistry, 2003, 85, 1431-1442.	3.9	85
60	Excitotoxicity Downregulates TrkB.FL Signaling and Upregulates the Neuroprotective Truncated TrkB Receptors in Cultured Hippocampal and Striatal Neurons. Journal of Neuroscience, 2012, 32, 4610-4622.	3.6	84
61	Regional Differences in Arachidonic Acid Release in Rat Hippocampal CA1 and CA3 Regions during Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 1987, 7, 189-192.	4.3	82
62	The involvement of the sigma-1 receptor in neurodegeneration and neurorestoration. Journal of Pharmacological Sciences, 2015, 127, 30-35.	2.5	82
63	Brain damage in a mouse model of global cerebral ischemia. Brain Research, 2003, 982, 260-269.	2.2	81
64	Comprehensive regional and temporal gene expression profiling of the rat brain during the first 24 h after experimental stroke identifies dynamic ischemia-induced gene expression patterns, and reveals a biphasic activation of genes in surviving tissue. Journal of Neurochemistry, 2006, 96, 14-29.	3.9	78
65	Biphasic Expression of the Fos and Jun Families of Transcription Factors Following Transient Forebrain Ischaemia in the Rat. Effect of Hypothermia. European Journal of Neuroscience, 1995, 7, 2007-2016.	2.6	75
66	Mouse Hippocampal Organotypic Tissue Cultures Exposed to<i>In Vitro</i>â€œIschemiaâ€•Show Selective and Delayed CA1 Damage that is Aggravated by Glucose. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 23-33.	4.3	72
67	Intranasal selective brain cooling in pigs. Resuscitation, 2008, 76, 83-88.	3.0	72
68	Excitatory amino acid receptors and ischemic brain damage in the rat. Neuroscience Letters, 1987, 73, 119-124.	2.1	71
69	Enriched Environment Enhances Recovery of Motor Function after Focal Ischemia in Mice, and Downregulates the Transcription Factor NGFI-A. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 1625-1633.	4.3	71
70	Amelioration of ischaemic brain damage by postischaemic treatment with flunarizine*. Neurological Research, 1985, 7, 27-29.	1.3	68
71	Multisensory stimulation improves functional recovery and resting-state functional connectivity in the mouse brain after stroke. NeuroImage: Clinical, 2018, 17, 717-730.	2.7	68
72	Effect of Insulin-Induced Hypoglycemia on the Concentrations of Glutamate and Related Amino Acids and Energy Metabolites in the Intact and Decorticated Rat Neostriatum. Journal of Neurochemistry, 1986, 47, 1634-1641.	3.9	66

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73	Hypothermia ameliorates neuronal survival when induced 2 hours after ischaemia in the rat. Acta Physiologica Scandinavica, 1992, 146, 543-544.	2.2	64
74	Overexpression of UCP2 Protects Thalamic Neurons following Global Ischemia in the Mouse. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1186-1195.	4.3	64
75	Pyruvate Dehydrogenase Activity in the Rat Cerebral Cortex following Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 1989, 9, 350-357.	4.3	62
76	Enriched Environment Attenuates Cell Genesis in Subventricular Zone After Focal Ischemia in Mice and Decreases Migration of Newborn Cells to the Striatum. Stroke, 2006, 37, 2824-2829.	2.0	62
77	Enriched Housing Enhances Recovery of Limb Placement Ability and Reduces Aggrecan-Containing Perineuronal Nets in the Rat Somatosensory Cortex after Experimental Stroke. PLoS ONE, 2014, 9, e93121.	2.5	62
78	Cellular and Molecular Events Underlying Epileptic Brain Damage. Annals of the New York Academy of Sciences, 1986, 462, 207-223.	3.8	60
79	Rapid and long-term induction of effector immediate early genes (BDNF, Neuritin and Arc) in peri-infarct cortex and dentate gyrus after ischemic injury in rat brain. Brain Research, 2007, 1151, 203-210.	2.2	60
80	Npas4, a novel helix-loop-helix PAS domain protein, is regulated in response to cerebral ischemia. European Journal of Neuroscience, 2006, 24, 2705-2720.	2.6	59
81	Levodopa Treatment Improves Functional Recovery After Experimental Stroke. Stroke, 2012, 43, 507-513.	2.0	59
82	Aggregation, aggregate composition, and dynamics in aqueous sodium cholate solutions. Journal of Colloid and Interface Science, 1980, 73, 556-565.	9.4	58
83	Lack of Protection by the N-Methyl-D-aspartate Receptor Blocker Dizocilpine (MK-801) after Transient Severe Cerebral Ischemia in the Rat. Anesthesiology, 1991, 75, 279-287.	2.5	58
84	Cerebral protection by AMPA- and NMDA-receptor antagonists administered after severe insulin-induced hypoglycemia. Experimental Brain Research, 1992, 92, 259-66.	1.5	58
85	Mitochondrial permeability transition induced DNA-fragmentation in the rat hippocampus following hypoglycemia. Neuroscience, 1999, 90, 1325-1338.	2.3	58
86	Persistent Translocation of Ca²⁺/Calmodulinâ€Dependent Protein Kinase II to Synaptic Junctions in the Vulnerable Hippocampal CA1 Region Following Transient Ischemia. Journal of Neurochemistry, 1995, 64, 277-284.	3.9	58
87	Mitochondrial oxidative stress after global brain ischemia in rats. Neuroscience Letters, 2002, 334, 111-114.	2.1	57
88	Postischaemic changes in protein synthesis in the rat brain: effects of hypothermia. Experimental Brain Research, 1993, 95, 91-9.	1.5	55
89	Alterations of Ca2+/calmodulin-dependent protein kinase II and its messenger RNA in the rat hippocampus following normo- and hypothermic ischemia. Neuroscience, 1995, 68, 1003-1016.	2.3	54
90	Deletion of the adenosine A1 receptor gene does not alter neuronal damage following ischaemia in vivo or in vitro. European Journal of Neuroscience, 2004, 20, 1197-1204.	2.6	54

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91	Structural and Functional Damage Sustained by Mitochondria After Traumatic Brain Injury in the Rat: Evidence for Differentially Sensitive Populations in the Cortex and Hippocampus. Journal of Cerebral Blood Flow and Metabolism, 2003, , 219-231.	4.3	54
92	Mineralocorticoid receptor expression and increased survival following neuronal injury. European Journal of Neuroscience, 2003, 17, 1549-1555.	2.6	53
93	Î³-aminobutyric acid and taurine release in the striatum of the rat during hypoglycemic coma, studied by microdialysis. Neuroscience Letters, 1985, 62, 231-235.	2.1	52
94	The Effect of Isoflurane on Neuronal Necrosis Following Near-complete Forebrain Ischemia in the Rat. Anesthesiology, 1986, 64, 19-23.	2.5	52
95	The tumor suppressor p53 and its response gene p21WAF1/Cip1 are not markers of neuronal death following transient global cerebral ischemia. Neuroscience, 1999, 90, 781-792.	2.3	51
96	Glucose but Not Lactate in Combination With Acidosis Aggravates Ischemic Neuronal Death In Vitro. Stroke, 2004, 35, 753-757.	2.0	51
97	The effect of hypothermia on the expression of neurotrophin mRNA in the hippocampus following transient cerebral ischemia in the rat. Molecular Brain Research, 1998, 63, 163-173.	2.3	48
98	Infusion of Prostacyclin Following Experimental Brain Injury in the Rat Reduces Cortical Lesion Volume. Journal of Neurotrauma, 2001, 18, 275-285.	3.4	48
99	Actin Redistribution Underlies the Sparing Effect of Mild Hypothermia on Dendritic Spine Morphology after in Vitro Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 1346-1355.	4.3	48
100	Enriched Environment Reduces Apolipoprotein E (ApoE) in Reactive Astrocytes and Attenuates Inflammation of the Peri-Infarct Tissue after Experimental Stroke. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1796-1805.	4.3	47
101	Apolipoprotein D is Elevated in Oligodendrocytes in the Peri-Infarct Region after Experimental Stroke: Influence of Enriched Environment. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 551-562.	4.3	46
102	Influence of MK-801 on Brain Extracellular Calcium and Potassium Activities in Severe Hypoglycemia. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 136-139.	4.3	45
103	Changes in Insulin-like Growth Factor 1 Receptor Density after Transient Cerebral Ischemia in the Rat. Lack of Protection against Ischemic Brain Damage following Injection of Insulin-Like Growth Factor 1. Journal of Cerebral Blood Flow and Metabolism, 1993, 13, 895-898.	4.3	45
104	Changes in proliferating cell nuclear antigen, a protein involved in DNA repair, in vulnerable hippocampal neurons following global cerebral ischemia. Molecular Brain Research, 1998, 60, 168-176.	2.3	45
105	Extracellular brain cortical levels of noradrenaline in ischemia:. Experimental Brain Research, 1991, 86, 555-61.	1.5	44
106	Gene deletion of cystatin C aggravates brain damage following focal ischemia but mitigates the neuronal injury after global ischemia in the mouse. Neuroscience, 2004, 128, 65-71.	2.3	44
107	Cleavage of the Vesicular GABA Transporter under Excitotoxic Conditions Is Followed by Accumulation of the Truncated Transporter in Nonsynaptic Sites. Journal of Neuroscience, 2011, 31, 4622-4635.	3.6	42
108	Dopamine receptor activation increases glial cell line-derived neurotrophic factor in experimental stroke. Experimental Neurology, 2013, 247, 202-208.	4.1	42

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109	The time-course of DNA fragmentation in the choroid plexus and the CA1 region following transient global ischemia in the rat brain. The effect of intra-ischemic hypothermia. Neuroscience, 1999, 93, 537-549.	2.3	41
110	The rotating pole test: evaluation of its effectiveness in assessing functional motor deficits following experimental head injury in the rat. Journal of Neuroscience Methods, 2000, 95, 75-82.	2.5	41
111	Protein Kinase C-Î³ and Calcium/Calmodulin-Dependent Protein Kinase II-Î± Are Persistently Translocated to Cell Membranes of the Rat Brain during and after Middle Cerebral Artery Occlusion. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 54-61.	4.3	41
112	Effects of the Sigma-1 Receptor Agonist 1-(3,4-Dimethoxyphenethyl)-4-(3-Phenylpropyl)-Piperazine Dihydro-Chloride on Inflammation after Stroke. PLoS ONE, 2012, 7, e45118.	2.5	41
113	Gephyrin Cleavage in In Vitro Brain Ischemia Decreases GABAA Receptor Clustering and Contributes to Neuronal Death. Molecular Neurobiology, 2016, 53, 3513-3527.	4.0	41
114	Cyclic AMP Concentrations in Rat Neocortex and Hippocampus During and Following Incomplete Ischemia: Effects of Central Noradrenergic Neurons, Prostaglandins, and Adenosine. Journal of Neurochemistry, 1985, 44, 1345-1353.	3.9	40
115	Sublethal in vitro glucoseâ€"oxygen deprivation protects cultured hippocampal neurons against a subsequent severe insult. NeuroReport, 1998, 9, 1273-1276.	1.2	40
116	Subcellular distribution and autophosphorylation of calcium/calmodulin-dependent protein kinase II-Î± in rat hippocampus in a model of ischemic tolerance. Neuroscience, 2000, 96, 665-674.	2.3	40
117	Decreased expression of brain-derived neurotrophic factor in BDNF+/âˆ' mice is associated with enhanced recovery of motor performance and increased neuroblast number following experimental stroke. Journal of Neuroscience Research, 2006, 84, 626-631.	2.9	38
118	Î²-Adrenoceptor activation depresses brain inflammation and is neuroprotective in lipopolysaccharide-induced sensitization to oxygen-glucose deprivation in organotypic hippocampal slices. Journal of Neuroinflammation, 2010, 7, 94.	7.2	37
119	GABAA receptor dephosphorylation followed by internalization is coupled to neuronal death in in vitro ischemia. Neurobiology of Disease, 2014, 65, 220-232.	4.4	36
120	Treatment with AMD3100 attenuates the microglial response and improves outcome after experimental stroke. Journal of Neuroinflammation, 2015, 12, 24.	7.2	36
121	High-resolution proton magnetic resonance study of porcine colipase and its interactions with taurodeoxycholate. Biochemistry, 1979, 18, 1622-1628.	2.5	35
122	Lack of neuroprotection by heat shock protein 70 overexpression in a mouse model of global cerebral ischemia. Experimental Brain Research, 2004, 154, 442-449.	1.5	35
123	Rho kinase inhibition protects CA1 cells in organotypic hippocampal slices during in vitro ischemia. Brain Research, 2010, 1316, 92-100.	2.2	35
124	Mouse Hippocampal Organotypic Tissue Cultures Exposed to In Vitro ???Ischemia??? Show Selective and Delayed CA1 Damage That Is Aggravated by Glucose. Journal of Cerebral Blood Flow and Metabolism, 2003, , 23-33.	4.3	34
125	Calcium binding to porcine pancreatic prophospholipase A2 studied by 43 Ca NMR. FEBS Letters, 1981, 123, 115-117.	2.8	32
126	Enriched housing down-regulates the Toll-like receptor 2 response in the mouse brain after experimental stroke. Neurobiology of Disease, 2014, 66, 66-73.	4.4	32

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127	Cleavage of the vesicular glutamate transporters under excitotoxic conditions. Neurobiology of Disease, 2011, 44, 292-303.	4.4	31
128	Extracellular Matrix Modulation Is Driven by Experience-Dependent Plasticity During Stroke Recovery. Molecular Neurobiology, 2018, 55, 2196-2213.	4.0	31
129	Initiation of protein synthesis and heat-shock protein-72 expression in the rat brain following severe insulin-induced hypoglycemia. Acta Neuropathologica, 1993, 86, 145-153.	7.7	30
130	An NMR study of a tyrosine and two histidine residues in the structure of porcine pancreatic colipase. FEBS Letters, 1978, 85, 271-274.	2.8	29
131	Porcine pancreatic procolipase and its trypsin-activated form. FEBS Letters, 1981, 128, 217-220.	2.8	29
132	Calcium ion binding to pancreatic phospholipase A2 and its zymogen: a calcium-43 NMR study. Biochemistry, 1984, 23, 2387-2392.	2.5	28
133	Changes in the extracellular levels of glutamate and aspartate during ischemia and hypoglycemia. Experimental Brain Research, 1998, 121, 277-284.	1.5	28
134	The Asparaginyl Endopeptidase Legumain after Experimental Stroke. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1756-1766.	4.3	28
135	Triiodothyronine modulates neuronal plasticity mechanisms to enhance functional outcome after stroke. Acta Neuropathologica Communications, 2019, 7, 216.	5.2	28
136	Increased survival of embryonic nigral neurons when grafted to hypothermic rats. NeuroReport, 2000, 11, 1665-1668.	1.2	26
137	Report of a Consensus Meeting on Human Brain Temperature After Severe Traumatic Brain Injury: Its Measurement and Management During Pyrexia. Frontiers in Neurology, 2010, 1, 146.	2.4	26
138	Preischemic Hyperglycemia and Postischemic Alteration of Rat Brain Pyruvate Dehydrogenase Activity. Journal of Cerebral Blood Flow and Metabolism, 1990, 10, 536-541.	4.3	25
139	Chapter 12 Protein phosphorylation and the regulation of mRNA translation following cerebral ischemia. Progress in Brain Research, 1993, 96, 179-191.	1.4	25
140	Enriched environment downregulates macrophage migration inhibitory factor and increases parvalbumin in the brain following experimental stroke. Neurobiology of Disease, 2011, 41, 270-278.	4.4	24
141	Post-ischemic continuous infusion of erythropoeitin enhances recovery of lost memory function after global cerebral ischemia in the rat. BMC Neuroscience, 2013, 14, 27.	1.9	24
142	Protective effect of lesion to the glutamatergic cortico-striatal projections on the hypoglycemic nerve cell injury in rat striatum. Acta Neuropathologica, 1987, 74, 335-344.	7.7	23
143	Casein Kinase II Activity in the Postischemic Rat Brain Increases in Brain Regions Resistant to Ischemia and Decreases in Vulnerable Areas. Journal of Neurochemistry, 1993, 60, 1722-1728.	3.9	23
144	Induction of junD mRNA after transient forebrain ischemia in the rat. Effect of hypothermia. Molecular Brain Research, 1996, 43, 51-56.	2.3	23

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145	Rapid decline in protein kinase CÎ³ levels in the synaptosomal fraction of rat hippocampus after ischemic preconditioning. NeuroReport, 1999, 10, 931-935.	1.2	23
146	Tumor Necrosis Factor Receptor-1 is Essential for LPS-Induced Sensitization and Tolerance to Oxygenâ€"Glucose Deprivation in Murine Neonatal Organotypic Hippocampal Slices. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 73-86.	4.3	22
147	Changes in resting-state functional connectivity after stroke in a mouse brain lacking extracellular matrix components. Neurobiology of Disease, 2018, 112, 91-105.	4.4	22
148	Noradrenaline Metabolism in Neocortex and Hippocampus Following Transient Forebrain Ischemia in Rats: Relation to Development of Selective Neuronal Necrosis. Journal of Neurochemistry, 1989, 53, 408-415.	3.9	21
149	Acidosis enhances translocation of protein kinase C but not Ca2+/calmodulin-dependent protein kinase II to cell membranes during complete cerebral ischemia. Brain Research, 1999, 849, 119-127.	2.2	21
150	Restricted clinical efficacy of cyclosporin A on rat transient middle cerebral artery occlusion. Life Sciences, 2002, 72, 591-600.	4.3	21
151	GISCOME â€" Genetics of Ischaemic Stroke Functional Outcome network: A protocol for an international multicentre genetic association study. European Stroke Journal, 2017, 2, 229-237.	5.5	21
152	Delayed Postischemic Hypoperfusion: Evidence against Involvement of the Noradrenergic Locus Ceruleus System. Journal of Cerebral Blood Flow and Metabolism, 1984, 4, 425-429.	4.3	20
153	Mitochondrial Involvement in Acute Neurodegeneration. IUBMB Life, 2001, 52, 247-254.	3.4	20
154	Persistent Phosphorylation of Synaptic Proteins following Middle Cerebral Artery Occlusion. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 1107-1113.	4.3	20
155	Selective sparing of hippocampal CA3 cells following in vitro ischemia is due to selective inhibition by acidosis. European Journal of Neuroscience, 2005, 22, 310-316.	2.6	20
156	Ischemia-induced upregulation of excitatory amino acid transport sites. Brain Research, 1993, 622, 93-98.	2.2	19
157	Delayed neuromotor recovery and increased memory acquisition dysfunction following experimental brain trauma in mice lacking the DNA repair gene XPA. Journal of Neurosurgery, 2012, 116, 1368-1378.	1.6	19
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