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List of Publications by Year
in descending order

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Version: 2024-02-01

236 papers	16,766 citations	14644 66 h-index	21521 114 g-index
240 all docs	240 docs citations	240 times ranked	22827 citing authors

#	Article	IF	Citations
1	Neuroprotection in acute stroke: targeting excitotoxicity, oxidative and nitrosative stress, and inflammation. Lancet Neurology, The, 2016, 15, 869-881.	4.9	842
2	The immunology of acute stroke. Nature Reviews Neurology, 2012, 8, 401-410.	4.9	527
3	Astrocyte TLR4 activation induces a proinflammatory environment through the interplay between MyD88â€dependent NFÎºB signaling, MAPK, and Jak1/Stat1 pathways. Glia, 2011, 59, 242-255.	2.5	390
4	Spread of a SARS-CoV-2 variant through Europe in the summer of 2020. Nature, 2021, 595, 707-712.	13.7	363
5	Autoantibodies neutralizing type I IFNs are present in ~4% of uninfected individuals over 70 years old and account for ~20% of COVID-19 deaths. Science Immunology, 2021, 6, .	5.6	357
6	Infection After Acute Ischemic Stroke. Stroke, 2007, 38, 1097-1103.	1.0	350
7	Signaling of Cell Death and Cell Survival Following Focal Cerebral Ischemia: Life and Death Struggle in the Penumbra. Journal of Neuropathology and Experimental Neurology, 2003, 62, 329-339.	0.9	324
8	Action Plan for Stroke in Europe 2018â€“2030. European Stroke Journal, 2018, 3, 309-336.	2.7	311
9	Neutrophil recruitment to the brain in mouse and human ischemic stroke. Acta Neuropathologica, 2015, 129, 239-257.	3.9	307
10	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. Science Immunology, 2021, 6, .	5.6	267
11	Levels of Anti-Inflammatory Cytokines and Neurological Worsening in Acute Ischemic Stroke. Stroke, 2003, 34, 671-675.	1.0	256
12	A new human gene from the Down syndrome critical region encodes a proline-rich protein highly expressed in fetal brain and heart. Human Molecular Genetics, 1995, 4, 1935-1944.	1.4	250
13	Inhibition of tumor angiogenesis by cannabinoids. FASEB Journal, 2003, 17, 1-16.	0.2	241
14	Improving Outcome after Stroke: Overcoming the Translational Roadblock. Cerebrovascular Diseases, 2008, 25, 268-278.	0.8	237
15	Neutrophil Infiltration Increases Matrix Metalloproteinase-9 in the Ischemic Brain after Occlusion/Reperfusion of the Middle Cerebral Artery in Rats. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 1430-1440.	2.4	221
16	Safety and efficacy of uric acid in patients with acute stroke (URICO-ICTUS): a randomised, double-blind phase 2b/3 trial. Lancet Neurology, The, 2014, 13, 453-460.	4.9	218
17	Human genetic and immunological determinants of critical COVID-19 pneumonia. Nature, 2022, 603, 587-598.	13.7	216
18	Expression and Activation of Matrix Metalloproteinase-2 and -9 in Rat Brain after Transient Focal Cerebral Ischemia. Neurobiology of Disease, 2001, 8, 834-846.	2.1	215

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19	Results of a preclinical randomized controlled multicenter trial (pRCT): Anti-CD49d treatment for acute brain ischemia. Science Translational Medicine, 2015, 7, 299ra121.	5.8	207
20	A human homologue of Drosophila minibrain (MNB) is expressed in the neuronal regions affected in Down syndrome and maps to the critical region. Human Molecular Genetics, 1996, 5, 1305-1310.	1.4	197
21	Harms and benefits of lymphocyte subpopulations in patients with acute stroke. Neuroscience, 2009, 158, 1174-1183.	1.1	189
22	Monocyte Subtypes Predict Clinical Course and Prognosis in Human Stroke. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 994-1002.	2.4	185
23	A Global Effort to Define the Human Genetics of Protective Immunity to SARS-CoV-2 Infection. Cell, 2020, 181, 1194-1199.	13.5	185
24	Activation of the JAK/STAT pathway following transient focal cerebral ischemia: Signaling through Jak1 and Stat3 in astrocytes. , 2000, 30, 253-270.		181
25	Microglial cell loss after ischemic stroke favors brain neutrophil accumulation. Acta Neuropathologica, 2019, 137, 321-341.	3.9	177
26	The Early Systemic Prophylaxis of Infection After Stroke Study. Stroke, 2005, 36, 1495-1500.	1.0	176
27	Monocytes Are Major Players in the Prognosis and Risk of Infection After Acute Stroke. Stroke, 2009, 40, 1262-1268.	1.0	168
28	Catecholamines, infection, and death in acute ischemic stroke. Journal of the Neurological Sciences, 2007, 252, 29-35.	0.3	166
29	Induction of COX-2 Enzyme and Down-regulation of COX-1 Expression by Lipopolysaccharide (LPS) Control Prostaglandin E2 Production in Astrocytes. Journal of Biological Chemistry, 2012, 287, 6454-6468.	1.6	166
30	Uric Acid Reduces Brain Damage and Improves the Benefits of rt-PA in a Rat Model of Thromboembolic Stroke. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 14-20.	2.4	160
31	Brain-Derived Antigens in Lymphoid Tissue of Patients with Acute Stroke. Journal of Immunology, 2012, 188, 2156-2163.	0.4	138
32	Imaging Brain Inflammation with [11C]PK11195 by PET and Induction of the Peripheral-Type Benzodiazepine Receptor after Transient Focal Ischemia in Rats. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1975-1986.	2.4	137
33	Clinical Consequences of Infection in Patients With Acute Stroke. Stroke, 2006, 37, 461-465.	1.0	134
34	The IMPROVE Guidelines (Ischaemia Models: Procedural Refinements Of in Vivo Experiments). Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3488-3517.	2.4	128
35	Genetically-Defined Deficiency of Mannose-Binding Lectin Is Associated with Protection after Experimental Stroke in Mice and Outcome in Human Stroke. PLoS ONE, 2010, 5, e8433.	1.1	128
36	Induction of cyclooxygenase-2 mRNA and protein following transient focal ischemia in the rat brain. Neuroscience Letters, 1995, 200, 187-190.	1.0	119

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37	Activation of nuclear factor-ÎºB in the rat brain after transient focal ischemia. Molecular Brain Research, 1999, 65, 61-69.	2.5	116
38	Signalling pathways mediating inflammatory responses in brain ischaemia. Biochemical Society Transactions, 2006, 34, 1267-1270.	1.6	114
39	Immature monocytes recruited to the ischemic mouse brain differentiate into macrophages with features of alternative activation. Brain, Behavior, and Immunity, 2016, 53, 18-33.	2.0	111
40	A Pilot Study of Dual Treatment With Recombinant Tissue Plasminogen Activator and Uric Acid in Acute Ischemic Stroke. Stroke, 2007, 38, 2173-2175.	1.0	110
41	The risk of COVID-19 death is much greater and age dependent with type I IFN autoantibodies. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200413119.	3.3	110
42	Early modifications in the expression of mitogen-activated protein kinase (MAPK/ERK), stress-activated kinases SAPK/JNK and p38, and their phosphorylated substrates following focal cerebral ischemia. Acta Neuropathologica, 2003, 105, 425-437.	3.9	109
43	Anti-VCAM-1 Antibodies did not Protect against Ischemic Damage Either in Rats Or in Mice. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 421-432.	2.4	104
44	Uric Acid Therapy Improves Clinical Outcome in Women With Acute Ischemic Stroke. Stroke, 2015, 46, 2162-2167.	1.0	103
45	Activation of Matrix Metalloproteinase-3 and Agrin Cleavage in Cerebral Ischemia/Reperfusion. Journal of Neuropathology and Experimental Neurology, 2004, 63, 338-349.	0.9	102
46	Induction of Stat3, a Signal Transducer and Transcription Factor, in Reactive Microglia following Transient Focal Cerebral Ischaemia. European Journal of Neuroscience, 1996, 8, 2612-2618.	1.2	100
47	Uric Acid Levels Are Relevant in Patients With Stroke Treated With Thrombolysis. Stroke, 2011, 42, S28-32.	1.0	100
48	Role of Immune Cells Migrating to the Ischemic Brain. Stroke, 2018, 49, 2261-2267.	1.0	97
49	Caspase-dependent and caspase-independent signalling of apoptosis in the penumbra following middle cerebral artery occlusion in the adult rat. Neuropathology and Applied Neurobiology, 2003, 29, 472-481.	1.8	94
50	A Concerted Appeal for International Cooperation in Preclinical Stroke Research. Stroke, 2013, 44, 1754-1760.	1.0	94
51	Tissue Oxygenation in Brain, Muscle, and Fat in a Rat Model of Sleep Apnea: Differential Effect of Obstructive Apneas and Intermittent Hypoxia. Sleep, 2011, 34, 1127-1133.	0.6	93
52	Epigenome-wide association study of COVID-19 severity with respiratory failure. EBioMedicine, 2021, 66, 103339.	2.7	90
53	IL-10 Deficiency Exacerbates the Brain Inflammatory Response to Permanent Ischemia without Preventing Resolution of the Lesion. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1955-1966.	2.4	88
54	Uric acid improves glucoseâ€driven oxidative stress in human ischemic stroke. Annals of Neurology, 2015, 77, 775-783.	2.8	88

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55	Epidermal growth factor receptor in proliferating reactive glia following transient focal ischemia in the rat brain. , 1998, 23, 120-129.		87
56	Intraarterial route increases the risk of cerebral lesions after mesenchymal cell administration in animal model of ischemia. Scientific Reports, 2017, 7, 40758.	1.6	86
57	Naturally occurring cell death in the developing cerebral cortex of the rat. Evidence of apoptosis-associated internucleosomal DNA fragmentation. Neuroscience Letters, 1994, 182, 77-79.	1.0	84
58	THE HEAT SHOCK STRESS RESPONSE AFTER BRAIN LESIONS: INDUCTION OF 72 KDA HEAT SHOCK PROTEIN (CELL TYPES INVOLVED, AXONAL TRANSPORT, TRANSCRIPTIONAL REGULATION) AND PROTEIN SYNTHESIS INHIBITION. Progress in Neurobiology, 1997, 51, 607-636.	2.8	83
59	Differential cellular distribution and dynamics of Hsp70, cyclooxygenase-2, and c-Fos in the rat brain after transient focal ischemia or kainic acid. Neuroscience, 1997, 80, 221-232.	1.1	81
60	Induction of heat shock proteins (HSPs) by sodium arsenite in cultured astrocytes and reduction of hydrogen peroxide-induced cell death. Journal of Neurochemistry, 2002, 83, 1338-1348.	2.1	81
61	IL-23 (Interleukin-23)â€“Producing Conventional Dendritic Cells Control the Detrimental IL-17 (Interleukin-17) Response in Stroke. Stroke, 2018, 49, 155-164.	1.0	81
62	CNS-border associated macrophages respond to acute ischemic stroke attracting granulocytes and promoting vascular leakage. Acta Neuropathologica Communications, 2018, 6, 76.	2.4	78
63	Naturally Occurring (Programmed) and Radiation-induced Apoptosis are Associated with Selective c-Jun Expression in the Developing Rat Brain. European Journal of Neuroscience, 1996, 8, 1286-1298.	1.2	77
64	Why Does Acute Hyperglycemia Worsen the Outcome of Transient Focal Cerebral Ischemia?. Stroke, 2006, 37, 1288-1295.	1.0	76
65	Transforming growth factor-Î± immunoreactivity in the developing and adult brain. Neuroscience, 1995, 66, 189-199.	1.1	73
66	DNGR-1 in dendritic cells limits tissue damage by dampening neutrophil recruitment. Science, 2018, 362, 351-356.	6.0	73
67	Age-dependent impact of the major common genetic risk factor for COVID-19 on severity and mortality. Journal of Clinical Investigation, 2021, 131, .	3.9	72
68	Interleukin-10 regulates progenitor differentiation and modulates neurogenesis on adult brain. Journal of Cell Science, 2013, 126, 4208-19.	1.2	70
69	Increased Superoxide Anion Production by Interleukin-1Î² Impairs Nitric Oxide-Mediated Relaxation in Resistance Arteries. Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 42-52.	1.3	69
70	Leukocytes, Collateral Circulation, and Reperfusion in Ischemic Stroke Patients Treated With Mechanical Thrombectomy. Stroke, 2019, 50, 3456-3464.	1.0	69
71	Middle cerebral artery remodeling following transient brain ischemia is linked to early postischemic hyperemia: A target of uric acid treatment. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H862-H874.	1.5	68
72	IL-10 regulates adult neurogenesis by modulating ERK and STAT3 activity. Frontiers in Cellular Neuroscience, 2015, 9, 57.	1.8	64

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73	Multimodal Imaging Reveals Temporal and Spatial Microglia and Matrix Metalloproteinase Activity after Experimental Stroke. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1711-1721.	2.4	62
74	Uric Acid Therapy Prevents Early Ischemic Stroke Progression. Stroke, 2016, 47, 2874-2876.	1.0	62
75	Administration of Transforming Growth Factor-Î± Reduces Infarct Volume after Transient Focal Cerebral Ischemia in the Rat. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 1097-1104.	2.4	61
76	Location of Neutrophils in Different Compartments of the Damaged Mouse Brain After Severe Ischemia/Reperfusion. Stroke, 2019, 50, 1548-1557.	1.0	61
77	Uric acid administration in patients with acute stroke: a novel approach to neuroprotection. Expert Review of Neurotherapeutics, 2008, 8, 259-270.	1.4	59
78	Recessive inborn errors of type I IFN immunity in children with COVID-19 pneumonia. Journal of Experimental Medicine, 2022, 219, .	4.2	59
79	Quantitative discrimination between endogenous SHG sources in mammalian tissue, based on their polarization response. Optics Express, 2009, 17, 10168.	1.7	58
80	Selective Sphingosine 1-Phosphate Receptor 1 Agonist Is Protective Against Ischemia/Reperfusion in Mice. Stroke, 2016, 47, 3053-3056.	1.0	57
81	CCR2 deficiency in monocytes impairs angiogenesis and functional recovery after ischemic stroke in mice. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, S98-S116.	2.4	57
82	Apoptosis and c-Jun in the thalamus of the rat following cortical infarction. NeuroReport, 1996, 7, 425-428.	0.6	56
83	Kainic Acid-induced Heat Shock Protein-70, mRNA and Protein Expression is Inhibited by MK-801 in Certain Rat Brain Regions. European Journal of Neuroscience, 1995, 7, 293-304.	1.2	55
84	AG490 prevents cell death after exposure of rat astrocytes to hydrogen peroxide or proinflammatory cytokines: involvement of the Jak2/STAT pathway. Journal of Neurochemistry, 2005, 92, 505-518.	2.1	54
85	Tissue plasminogen activator induces microglial inflammation via a noncatalytic molecular mechanism involving activation of mitogenâ€activated protein kinases and Akt signaling pathways and AnnexinA2 and Galectinâ€1 receptors. Glia, 2012, 60, 526-540.	2.5	54
86	Antigen-specific immune reactions to ischemic stroke. Frontiers in Cellular Neuroscience, 2014, 8, 278.	1.8	54
87	Interleukin-13 immune gene therapy prevents CNS inflammation and demyelination via alternative activation of microglia and macrophages. Glia, 2016, 64, 2181-2200.	2.5	53
88	Estimation of the effective orientation of the SHG source in primary cortical neurons. Optics Express, 2009, 17, 14418.	1.7	52
89	Studies on the Relationship between Cerebral Glucose Transport and Phosphorylation Using 2-Deoxyglucose. Journal of Cerebral Blood Flow and Metabolism, 1986, 6, 708-716.	2.4	51
90	Increased expression of bcl-2 immunoreactivity in the developing cerebral cortex of the rat. Neuroscience Letters, 1994, 179, 13-16.	1.0	51

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91	Dendritic cells in brain diseases. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 352-367.	1.8	51
92	Uric acid therapy improves the outcomes of stroke patients treated with intravenous tissue plasminogen activator and mechanical thrombectomy. International Journal of Stroke, 2017, 12, 377-382.	2.9	51
93	Selective c-Jun overexpression is associated with ionizing radiation-induced apoptosis in the developing cerebellum of the rat. Molecular Brain Research, 1996, 38, 91-100.	2.5	50
94	Sphingosine-1-phosphate signallingâ€"a key player in the pathogenesis of Angiotensin II-induced hypertension. Cardiovascular Research, 2017, 113, 123-133.	1.8	50
95	Defining molecular identity and fates of CNS-border associated macrophages after ischemic stroke in rodents and humans. Neurobiology of Disease, 2020, 137, 104722.	2.1	50
96	The â€"174G/C Polymorphism of the Interleukin 6 Gene Is a Hallmark of Lacunar Stroke and Not Other Ischemic Stroke Phenotypes. Cerebrovascular Diseases, 2005, 19, 91-95.	0.8	49
97	In vivo magnetic resonance imaging characterization of bilateral structural changes in experimental Parkinsonâ€™s disease: a T2 relaxometry study combined with longitudinal diffusion tensor imaging and manganese-enhanced magnetic resonance imaging in the 6-. European Journal of Neuroscience, 2011, 33, 1551-1560.	1.2	48
98	Autophagy, and BiP level decrease are early key events in retrograde degeneration of motoneurons. Cell Death and Differentiation, 2011, 18, 1617-1627.	5.0	48
99	Identification of new molecular targets for PET imaging of the microglial anti-inflammatory activation state. Theranostics, 2018, 8, 5400-5418.	4.6	48
100	Increased nitric oxide production in lymphatic endothelial cells causes impairment of lymphatic drainage in cirrhotic rats. Gut, 2013, 62, 138-145.	6.1	47
101	Transforming Growth Factor-Î± Acting at the Epidermal Growth Factor Receptor Reduces Infarct Volume after Permanent Middle Cerebral Artery Occlusion in Rats. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 128-132.	2.4	46
102	Regulatory T cells protect the brain after stroke. Nature Medicine, 2009, 15, 138-139.	15.2	45
103	The Ins and Outs of the BCCAo Model for Chronic Hypoperfusion: A Multimodal and Longitudinal MRI Approach. PLoS ONE, 2013, 8, e74631.	1.1	45
104	Mannose-Binding Lectin Promotes Local Microvascular Thrombosis After Transient Brain Ischemia in Mice. Stroke, 2014, 45, 1453-1459.	1.0	45
105	Uric Acid Is Protective After Cerebral Ischemia/Reperfusion in Hyperglycemic Mice. Translational Stroke Research, 2017, 8, 294-305.	2.3	45
106	Regional expression of inducible heat shock protein-70 mRNA in the rat brain following administration of convulsant drugs. Molecular Brain Research, 1994, 27, 127-137.	2.5	44
107	Uric acid administration for neuroprotection in patients with acute brain ischemia. Medical Hypotheses, 2004, 62, 173-176.	0.8	44
108	Complete reperfusion is required for maximal benefits of mechanical thrombectomy in stroke patients. Scientific Reports, 2017, 7, 11636.	1.6	44

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109	In Vitro and In Vivo Activation of Astrocytes by Amyloid-Î² is Potentiated by Pro-Oxidant Agents. Journal of Alzheimer's Disease, 2010, 20, 229-245.	1.2	42
110	Extended Ischemia Prevents HIF1Î± Degradation at Reoxygenation by Impairing Prolyl-hydroxylation. Journal of Biological Chemistry, 2010, 285, 18217-18224.	1.6	42
111	A global effort to dissect the human genetic basis of resistance to SARS-CoV-2 infection. Nature Immunology, 2022, 23, 159-164.	7.0	41
112	In vivo visualization of acetylcholinesterase with positron emission tomography. NeuroReport, 1993, 4, 535-538.	0.6	40
113	bFGF and FGFR-3 immunoreactivity in the rat brain following systemic kainic acid administration at convulsant doses: localization of bFGF and FGFR-3 in reactive astrocytes, and FGFR-3 in reactive microglia. Brain Research, 1997, 752, 315-318.	1.1	40
114	Kainic acid?induced excitotoxicity is associated with a complex c-Fos and c-Jun response which does not preclude either cell death or survival. Journal of Neurobiology, 1997, 33, 232-246.	3.7	40
115	Activation of ERK and Akt Signaling in Focal Cerebral Ischemia: Modulation by TGF-Î± and Involvement of NMDA Receptor. Neurobiology of Disease, 2002, 11, 443-456.	2.1	40
116	A CNS-permeable Hsp90 inhibitor rescues synaptic dysfunction and memory loss in APP-overexpressing Alzheimerâ€™s mouse model via an HSF1-mediated mechanism. Molecular Psychiatry, 2017, 22, 990-1001.	4.1	40
117	Antioxidant CR-6 Protects against Reperfusion Injury after a Transient Episode of Focal Brain Ischemia in Rats. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 638-652.	2.4	39
118	Role of the S1P pathway and inhibition by fingolimod in preventing hemorrhagic transformation after stroke. Scientific Reports, 2019, 9, 8309.	1.6	39
119	Dendritic Cells and Microglia Have Non-redundant Functions in the Inflamed Brain with Protective Effects of Type 1 cDCs. Cell Reports, 2020, 33, 108291.	2.9	39
120	Harnessing Type I IFN Immunity Against SARS-CoV-2 with Early Administration of IFN-Î². Journal of Clinical Immunology, 2021, 41, 1425-1442.	2.0	39
121	Early 72-kDa heat shock protein induction in microglial cells following focal ischemia in the rat brain. Neuroscience Letters, 1994, 182, 205-207.	1.0	38
122	Induction of cyclooxygenase-2 in the rat brain after a mild episode of focal ischemia without tissue inflammation or neural cell damage. Neuroscience Letters, 1999, 275, 141-144.	1.0	38
123	Steady plasma concentration of unfractionated heparin reduces infarct volume and prevents inflammatory damage after transient focal cerebral ischemia in the rat. Journal of Neuroscience Research, 2004, 77, 565-572.	1.3	38
124	Astrocytes are very sensitive to develop innate immune responses to lipidâ€carried short interfering RNA. Glia, 2009, 57, 93-107.	2.5	38
125	T Cells Prevent Hemorrhagic Transformation in Ischemic Stroke by P-Selectin Binding. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 1761-1771.	1.1	38
126	Endothelial Dysfunction in Rat Mesenteric Resistance Artery after Transient Middle Cerebral Artery Occlusion. Journal of Pharmacology and Experimental Therapeutics, 2008, 325, 363-369.	1.3	37

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127	Course of matrix metalloproteinase-9 isoforms after the administration of uric acid in patients with acute stroke. Journal of Neurology, 2009, 256, 651-656.	1.8	37
128	Chondroitin sulfate inhibits lipopolysaccharide-induced inflammation in rat astrocytes by preventing nuclear factor kappa B activation. Neuroscience, 2010, 167, 872-879.	1.1	37
129	Neuroanatomical correlates of stroke-associated infection and stroke-induced immunodepression. Brain, Behavior, and Immunity, 2017, 60, 142-150.	2.0	37
130	Expression of c-fos and inducible hsp-70 mRNA following a transient episode of focal ischemia that had non-lethal effects on the rat brain. Brain Research, 1995, 670, 317-320.	1.1	36
131	Radiation-induced apoptosis in developing rats and kainic acid-induced excitotoxicity in adult rats are associated with distinctive morphological and biochemical c-Jun/AP-1 (N) expression. Neuroscience, 1997, 80, 449-458.	1.1	36
132	Estimation of Gelatinase Content in Rat Brain: Effect of Focal Ischemia. Biochemical and Biophysical Research Communications, 2000, 278, 803-807.	1.0	36
133	Exposure of glia to proâ€oxidant agents revealed selective Stat1 activation by H₂O₂ and Jak2â€independent antioxidant features of the Jak2 inhibitor AG490. Glia, 2007, 55, 1313-1324.	2.5	36
134	New Serotonin 5-HT_{1A} Receptor Agonists with Neuroprotective Effect against Ischemic Cell Damage. Journal of Medicinal Chemistry, 2011, 54, 7986-7999.	2.9	36
135	Improved Assessment of Ex Vivo Brainstem Neuroanatomy With Highâ€Resolution MRI and DTI at 7 Tesla. Anatomical Record, 2011, 294, 1035-1044.	0.8	36
136	Nitro-Oxidative Stress after Neuronal Ischemia Induces Protein Nitrotyrosination and Cell Death. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-9.	1.9	36
137	Structural and functional brain alterations in a murine model of Angiotensin <scp>II</scp>â€induced hypertension. Journal of Neurochemistry, 2017, 140, 509-521.	2.1	36
138	Age-related deregulation of TDP-43 after stroke enhances NF-ÎºB-mediated inflammation and neuronal damage. Journal of Neuroinflammation, 2018, 15, 312.	3.1	36
139	Cortical infarct volume is dependent on the ischemic reduction of perifocal cerebral blood flow in a three-vessel intraluminal MCA occlusion/reperfusion model in the rat. Brain Research, 1997, 747, 273-278.	1.1	35
140	Stat3 Is Present in the Developing and Adult Rat Cerebellum and Participates in the Formation of Transcription Complexes Binding DNA at the sisâ€inducible Element. Journal of Neurochemistry, 1997, 68, 1345-1351.	2.1	35
141	Vaccine breakthrough hypoxemic COVID-19 pneumonia in patients with auto-Abs neutralizing type I IFNs. Science Immunology, 2023, 8, .	5.6	35
142	Focal cerebral ischemia causes two temporal waves of Akt activation. NeuroReport, 2001, 12, 3381-3384.	0.6	34
143	Transient middle cerebral artery occlusion causes different structural, mechanical, and myogenic alterations in normotensive and hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H628-H635.	1.5	34
144	Quantitative Imaging of Microtubule Alteration as an Early Marker ofÂAxonal Degeneration after Ischemia in Neurons. Biophysical Journal, 2013, 104, 968-975.	0.2	34

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145	Imaging Changes in Lymphoid Organs In Vivo after Brain Ischemia with Three-Dimensional Fluorescence Molecular Tomography in Transgenic Mice Expressing Green Fluorescent Protein in T Lymphocytes. Molecular Imaging, 2008, 7, 7290.2008.00016.	0.7	33
146	Combined treatment with recombinant tissue plasminogen activator and dexamethasone phosphateâ€containing liposomes improves neurological outcome and restricts lesion progression after embolic stroke in rats. Journal of Neurochemistry, 2012, 123, 65-74.	2.1	33
147	Evidence of internucleosomal DNA fragmentation and identification of dying cells in X-ray-induced cell death in the developing brain. International Journal of Developmental Neuroscience, 1995, 13, 21-28.	0.7	32
148	IFN gamma regulates proliferation and neuronal differentiation by STAT1 in adult SVZ niche. Frontiers in Cellular Neuroscience, 2015, 9, 270.	1.8	32
149	Methylazoxymethanol Acetate-induced Apoptosis in the External Granule Cell Layer of the Developing Cerebellum of the Rat Is Associated with Strong c-Jun Expression and Formation of High Molecular Weight c-Jun Complexes. Journal of Neuropathology and Experimental Neurology, 1997, 56, 1-9.	0.9	31
150	Modest MRI Signal Intensity Changes Precede Delayed Cortical Necrosis After Transient Focal Ischemia in the Rat. Stroke, 2006, 37, 1525-1532.	1.0	31
151	Ionizing radiation-induced apoptosis is associated with c-Jun expression and c-Jun/AP-1 activation in the developing cerebellum of the rat. Neuroscience Letters, 1995, 202, 105-108.	1.0	30
152	Striatal Infarction in the Rat Causes a Transient Reduction of Tyrosine Hydroxylase Immunoreactivity in the Ipsilateral Substantia Nigra. Neurobiology of Disease, 1997, 4, 376-385.	2.1	29
153	A complementary diffusion tensor imaging (DTI)-histological study in a model of Huntington's disease. Neurobiology of Aging, 2012, 33, 945-959.	1.5	29
154	Brain Tissue Hypoxia and Oxidative Stress Induced by Obstructive Apneas is Different in Young and Aged Rats. Sleep, 2014, 37, 1249-1256.	0.6	29
155	Antigen Presentation After Stroke. Neurotherapeutics, 2016, 13, 719-728.	2.1	29
156	Rat Brain Acetylcholinesterase Visualized with [11C]Physostigmine. NeuroImage, 1994, 1, 173-180.	2.1	27
157	SIRT1 Regulation Modulates Stroke Outcome. Translational Stroke Research, 2013, 4, 663-671.	2.3	27
158	Transforming Growth Factor-Î± Attenuates N-Methyl-D-aspartic Acid Toxicity in Cortical Cultures by Preventing Protein Synthesis Inhibition through an Erk1/2-dependent Mechanism. Journal of Biological Chemistry, 2003, 278, 29552-29559.	1.6	26
159	Hypoxia and P1 receptor activation regulate the high-affinity concentrative adenosine transporter CNT2Âin differentiated neuronal PC12 cells. Biochemical Journal, 2013, 454, 437-445.	1.7	26
160	Survival of parvalbumin-immunoreactive neurons in the gerbil hippocampus following transient forebrain ischemia does not depend on HSP-70 protein induction. Brain Research, 1995, 692, 41-46.	1.1	25
161	Jun expression is found in neurons located in the vicinity of subacute plaques in patients with multiple sclerosis. Neuroscience Letters, 1996, 212, 95-98.	1.0	25
162	Type 1 cannabinoid receptor mapping with [18F]MK-9470 PET in the rat brain after quinolinic acid lesion: a comparison to dopamine receptors and glucose metabolism. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 2354-2363.	3.3	25

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163	Bicosomes: Bicelles in Dilute Systems. Biophysical Journal, 2010, 99, 480-488.	0.2	25
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