

Shan Ping Yu

List of Publications by Year in descending order

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153
papers

11,613
citations

30047

54
h-index

30894

102
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156
all docs

156
docs citations

156
times ranked

13331
citing authors

#	ARTICLE	IF	CITATIONS
1	Mediation of Neuronal Apoptosis by Enhancement of Outward Potassium Current. <i>Science</i> , 1997, 278, 114-117.	6.0	552
2	Transplantation of hypoxia-preconditioned mesenchymal stem cells improves infarcted heart function via enhanced survival of implanted cells and angiogenesis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 135, 799-808.	0.4	537
3	Measurement of Intracellular Free Zinc in Living Cortical Neurons: Routes of Entry. <i>Journal of Neuroscience</i> , 1997, 17, 9554-9564.	1.7	436
4	Cleavage of tau by asparagine endopeptidase mediates the neurofibrillary pathology in Alzheimer's disease. <i>Nature Medicine</i> , 2014, 20, 1254-1262.	15.2	367
5	Ion homeostasis and apoptosis. <i>Current Opinion in Cell Biology</i> , 2001, 13, 405-411.	2.6	354
6	Buckminsterfullerenol Free Radical Scavengers Reduce Excitotoxic and Apoptotic Death of Cultured Cortical Neurons. <i>Neurobiology of Disease</i> , 1996, 3, 129-135.	2.1	352
7	Regulation and critical role of potassium homeostasis in apoptosis. <i>Progress in Neurobiology</i> , 2003, 70, 363-386.	2.8	325
8	Transplantation of hypoxia preconditioned bone marrow mesenchymal stem cells enhances angiogenesis and neurogenesis after cerebral ischemia in rats. <i>Neurobiology of Disease</i> , 2012, 46, 635-645.	2.1	322
9	In vitro hypoxic preconditioning of embryonic stem cells as a strategy of promoting cell survival and functional benefits after transplantation into the ischemic rat brain. <i>Experimental Neurology</i> , 2008, 210, 656-670.	2.0	222
10	Ionic Mechanism of Ouabain-Induced Concurrent Apoptosis and Necrosis in Individual Cultured Cortical Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 1350-1362.	1.7	221
11	Delta-secretase cleaves amyloid precursor protein and regulates the pathogenesis in Alzheimer's disease. <i>Nature Communications</i> , 2015, 6, 8762.	5.8	210
12	Metabotropic Glutamate Receptor 1-Induced Upregulation of NMDA Receptor Current: Mediation through the Pyk2/Src-Family Kinase Pathway in Cortical Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 5452-5461.	1.7	200
13	7,8-Dihydroxyflavone Prevents Synaptic Loss and Memory Deficits in a Mouse Model of Alzheimer's Disease. <i>Neuropsychopharmacology</i> , 2014, 39, 638-650.	2.8	198
14	Erythropoietin-Induced Neurovascular Protection, Angiogenesis, and Cerebral Blood Flow Restoration after Focal Ischemia in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1043-1054.	2.4	193
15	Transplantation of embryonic stem cells overexpressing Bcl-2 promotes functional recovery after transient cerebral ischemia. <i>Neurobiology of Disease</i> , 2005, 19, 183-193.	2.1	184
16	Enhancement of Outward Potassium Current May Participate in β -Amyloid Peptide-Induced Cortical Neuronal Death. <i>Neurobiology of Disease</i> , 1998, 5, 81-88.	2.1	172
17	Preconditioning Strategy in Stem Cell Transplantation Therapy. <i>Translational Stroke Research</i> , 2013, 4, 76-88.	2.3	171
18	Cell based therapies for ischemic stroke: From basic science to bedside. <i>Progress in Neurobiology</i> , 2014, 115, 92-115.	2.8	171

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19	Na ⁺ , K ⁺ -ATPase: the new face of an old player in pathogenesis and apoptotic/hybrid cell death. <i>Biochemical Pharmacology</i> , 2003, 66, 1601-1609.	2.0	169
20	Delayed Intranasal Delivery of Hypoxic-Preconditioned Bone Marrow Mesenchymal Stem Cells Enhanced Cell Homing and Therapeutic Benefits after Ischemic Stroke in Mice. <i>Cell Transplantation</i> , 2013, 22, 977-991.	1.2	163
21	Neuroprotective effect of the endogenous neural peptide apelin in cultured mouse cortical neurons. <i>Experimental Cell Research</i> , 2010, 316, 1773-1783.	1.2	140
22	Transplantation of Embryonic Stem Cells Improves Nerve Repair and Functional Recovery After Severe Sciatic Nerve Axotomy in Rats. <i>Stem Cells</i> , 2008, 26, 1356-1365.	1.4	131
23	FSH blockade improves cognition in mice with Alzheimer's disease. <i>Nature</i> , 2022, 603, 470-476.	13.7	131
24	Endogenous voltage-gated potassium channels in human embryonic kidney (HEK293) cells. <i>Journal of Neuroscience Research</i> , 1998, 52, 612-617.	1.3	129
25	Apoptotic insults impair Na ⁺ , K ⁺ -ATPase activity as a mechanism of neuronal death mediated by concurrent ATP deficiency and oxidant stress. <i>Journal of Cell Science</i> , 2003, 116, 2099-2110.	1.2	129
26	Deficiency in BDNF/TrkB Neurotrophic Activity Stimulates β -Secretase by Upregulating C/EBP β in Alzheimer's Disease. <i>Cell Reports</i> , 2019, 28, 655-669.e5.	2.9	129
27	Stem cell transplantation therapy for multifaceted therapeutic benefits after stroke. <i>Progress in Neurobiology</i> , 2017, 157, 49-78.	2.8	127
28	Role of the Outward Delayed Rectifier K ⁺ Current in Ceramide-Induced Caspase Activation and Apoptosis in Cultured Cortical Neurons. <i>Journal of Neurochemistry</i> , 2001, 73, 933-941.	2.1	126
29	Neuro-Modulating Effects of Honokiol: A Review. <i>Frontiers in Neurology</i> , 2013, 4, 130.	1.1	119
30	Potassium Channel Blockers Attenuate Hypoxia- and Ischemia-Induced Neuronal Death In Vitro and In Vivo. <i>Stroke</i> , 2003, 34, 1281-1286.	1.0	109
31	Regulation of therapeutic hypothermia on inflammatory cytokines, microglia polarization, migration and functional recovery after ischemic stroke in mice. <i>Neurobiology of Disease</i> , 2016, 96, 248-260.	2.1	109
32	Hypoxic preconditioning enhances bone marrow mesenchymal stem cell migration via Kv2.1 channel and FAK activation. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C362-C372.	2.1	107
33	dl-3-n-Butylphthalide prevents neuronal cell death after focal cerebral ischemia in mice via the JNK pathway. <i>Brain Research</i> , 2010, 1359, 216-226.	1.1	105
34	Intranasal Delivery of Apelin-13 Is Neuroprotective and Promotes Angiogenesis After Ischemic Stroke in Mice. <i>ASN Neuro</i> , 2015, 7, 175909141560511.	1.5	104
35	Modulation and genetic identification of the M channel. <i>Progress in Biophysics and Molecular Biology</i> , 2000, 73, 135-166.	1.4	100
36	Zn ²⁺ current is mediated by voltage-gated Ca ²⁺ channels and enhanced by extracellular acidity in mouse cortical neurones. <i>Journal of Physiology</i> , 2000, 528, 39-52.	1.3	97

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37	Inhibition of delta-secretase improves cognitive functions in mouse models of Alzheimer's disease. Nature Communications, 2017, 8, 14740.	5.8	96
38	Necrosis, apoptosis and hybrid death in the cortex and thalamus after barrel cortex ischemia in rats. Brain Research, 2004, 1022, 54-61.	1.1	94
39	Ionic Regulation of Cell Volume Changes and Cell Death after Ischemic Stroke. Translational Stroke Research, 2014, 5, 17-27.	2.3	91
40	C/EBP β regulates delta-secretase expression and mediates pathogenesis in mouse models of Alzheimer's disease. Nature Communications, 2018, 9, 1784.	5.8	91
41	Na ⁺ -Ca ²⁺ Exchange Currents in Cortical Neurons: Concomitant Forward and Reverse Operation and Effect of Glutamate. European Journal of Neuroscience, 1997, 9, 1273-1281.	1.2	89
42	Cell Death Mechanism and Protective Effect of Erythropoietin after Focal Ischemia in the Whisker-Barrel Cortex of Neonatal Rats. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 109-116.	1.3	89
43	Neurodevelopmental implications of the general anesthesia in neonate and infants. Experimental Neurology, 2015, 272, 50-60.	2.0	87
44	A novel stroke therapy of pharmacologically induced hypothermia after focal cerebral ischemia in mice. FASEB Journal, 2012, 26, 2799-2810.	0.2	86
45	Effects of chloride and potassium channel blockers on apoptotic cell shrinkage and apoptosis in cortical neurons. Pflügers Archiv European Journal of Physiology, 2004, 448, 325-334.	1.3	84
46	Inhibition of Na ⁺ /K ⁺ -ATPase induces hybrid cell death and enhanced sensitivity to chemotherapy in human glioblastoma cells. BMC Cancer, 2014, 14, 716.	1.1	79
47	Intranasal Delivery of Bone Marrow Mesenchymal Stem Cells Improved Neurovascular Regeneration and Rescued Neuropsychiatric Deficits after Neonatal Stroke in Rats. Cell Transplantation, 2015, 24, 391-402.	1.2	77
48	Protective effect of apelin on cultured rat bone marrow mesenchymal stem cells against apoptosis. Stem Cell Research, 2012, 8, 357-367.	0.3	71
49	DCG-IV Selectively Attenuates Rapidly Triggered NMDA-induced Neurotoxicity in Cortical Neurons. European Journal of Neuroscience, 1996, 8, 138-143.	1.2	69
50	Vector-Free and Transgene-Free Human iPS Cells Differentiate into Functional Neurons and Enhance Functional Recovery after Ischemic Stroke in Mice. PLoS ONE, 2013, 8, e64160.	1.1	69
51	Restoration of Intracortical and Thalamocortical Circuits after Transplantation of Bone Marrow Mesenchymal Stem Cells into the Ischemic Brain of Mice. Cell Transplantation, 2013, 22, 2001-2015.	1.2	68
52	Optochemogenetic Stimulation of Transplanted iPS-NPCs Enhances Neuronal Repair and Functional Recovery after Ischemic Stroke. Journal of Neuroscience, 2019, 39, 6571-6594.	1.7	67
53	Enhanced neurogenesis and cell migration following focal ischemia and peripheral stimulation in mice. Developmental Neurobiology, 2008, 68, 1474-1486.	1.5	62
54	Erythropoietin ameliorates early brain injury after subarachnoid haemorrhage by modulating microglia polarization via the EPOR/JAK2-STAT3 pathway. Experimental Cell Research, 2017, 361, 342-352.	1.2	62

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55	Therapeutic Effects of Pharmacologically Induced Hypothermia against Traumatic Brain Injury in Mice. <i>Journal of Neurotrauma</i> , 2014, 31, 1417-1430.	1.7	58
56	Optogenetic stimulation of glutamatergic neuronal activity in the striatum enhances neurogenesis in the subventricular zone of normal and stroke mice. <i>Neurobiology of Disease</i> , 2017, 98, 9-24.	2.1	58
57	DL-3-n-butylphthalide induced neuroprotection, regenerative repair, functional recovery and psychological benefits following traumatic brain injury in mice. <i>Neurochemistry International</i> , 2017, 111, 82-92.	1.9	55
58	Delta-Secretase Phosphorylation by SRPK2 Enhances Its Enzymatic Activity, Provoking Pathogenesis in Alzheimer's Disease. <i>Molecular Cell</i> , 2017, 67, 812-825.e5.	4.5	54
59	Î-Secretase-cleaved Tau stimulates AÎ ² production via upregulating STAT1-BACE1 signaling in Alzheimer's disease. <i>Molecular Psychiatry</i> , 2021, 26, 586-603.	4.1	54
60	SRPK2 Phosphorylates Tau and Mediates the Cognitive Defects in Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2012, 32, 17262-17272.	1.7	53
61	Purification of Cardiomyocytes From Differentiating Pluripotent Stem Cells Using Molecular Beacons That Target Cardiomyocyte-Specific mRNA. <i>Circulation</i> , 2013, 128, 1897-1909.	1.6	52
62	Pyruvate Kinase M2 Increases Angiogenesis, Neurogenesis, and Functional Recovery Mediated by Upregulation of STAT3 and Focal Adhesion Kinase Activities After Ischemic Stroke in Adult Mice. <i>Neurotherapeutics</i> , 2018, 15, 770-784.	2.1	51
63	Whisker Stimulation Enhances Angiogenesis in the Barrel Cortex following Focal Ischemia in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 57-68.	2.4	50
64	Pharmacologically induced hypothermia attenuates traumatic brain injury in neonatal rats. <i>Experimental Neurology</i> , 2015, 267, 135-142.	2.0	50
65	Novel regulation of Na ⁺ , K ⁺ -ATPase by Src tyrosine kinases in cortical neurons. <i>Journal of Neurochemistry</i> , 2005, 93, 1515-1523.	2.1	49
66	Long-term survival and regeneration of neuronal and vasculature cells inside the core region after ischemic stroke in adult mice. <i>Brain Pathology</i> , 2017, 27, 480-498.	2.1	49
67	Traumatic brain injury triggers APP and Tau cleavage by delta-secretase, mediating Alzheimer's disease pathology. <i>Progress in Neurobiology</i> , 2020, 185, 101730.	2.8	49
68	Neuroprotective mechanisms and translational potential of therapeutic hypothermia in the treatment of ischemic stroke. <i>Neural Regeneration Research</i> , 2017, 12, 341.	1.6	48
69	Acute and delayed protective effects of pharmacologically induced hypothermia in an intracerebral hemorrhage stroke model of mice. <i>Neuroscience</i> , 2013, 252, 489-500.	1.1	47
70	The TRPC channel blocker SKF 96365 inhibits glioblastoma cell growth by enhancing reverse mode of the Na ⁺ /Ca ²⁺ exchanger and increasing intracellular Ca ²⁺ . <i>British Journal of Pharmacology</i> , 2014, 171, 3432-3447.	2.7	47
71	The role of VEGF/VEGFR2 signaling in peripheral stimulation-induced cerebral neurovascular regeneration after ischemic stroke in mice. <i>Experimental Brain Research</i> , 2011, 214, 503-513.	0.7	45
72	Administration of low dose estrogen attenuates persistent inflammation, promotes angiogenesis, and improves locomotor function following chronic spinal cord injury in rats. <i>Journal of Neurochemistry</i> , 2016, 137, 604-617.	2.1	45

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73	GSK-3 β Inhibition Induced Neuroprotection, Regeneration, and Functional Recovery after Intracerebral Hemorrhagic Stroke. <i>Cell Transplantation</i> , 2017, 26, 395-407.	1.2	45
74	Angiogenesis and stem cell transplantation as potential treatments of cerebral ischemic stroke. <i>Pathophysiology</i> , 2005, 12, 47-62.	1.0	44
75	Formation of Kv2.1 β FAK complex as a mechanism of FAK activation, cell polarization and enhanced motility. <i>Journal of Cellular Physiology</i> , 2008, 217, 544-557.	2.0	44
76	Neuroprotective efficacy of estrogen in experimental spinal cord injury in rats. <i>Annals of the New York Academy of Sciences</i> , 2010, 1199, 90-94.	1.8	44
77	Intranasally Delivered Wnt3a Improves Functional Recovery after Traumatic Brain Injury by Modulating Autophagic, Apoptotic, and Regenerative Pathways in the Mouse Brain. <i>Journal of Neurotrauma</i> , 2018, 35, 802-813.	1.7	44
78	Concomitant Acceleration of the Activation and Inactivation Kinetics of the Human Delayed Rectifier K ⁺ Channel (Kv1.1) by Ca ²⁺ -independent Phospholipase A2. <i>Journal of Biological Chemistry</i> , 1995, 270, 2885-2888.	1.6	43
79	Delayed and repeated intranasal delivery of bone marrow stromal cells increases regeneration and functional recovery after ischemic stroke in mice. <i>BMC Neuroscience</i> , 2018, 19, 20.	0.8	43
80	Delta-secretase-cleaved Tau antagonizes TrkB neurotrophic signalings, mediating Alzheimer's disease pathologies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9094-9102.	3.3	42
81	Inhibition of the Rho signaling pathway improves neurite outgrowth and neuronal differentiation of mouse neural stem cells. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2013, 5, 11-20.	0.8	42
82	Slight impairment of Na ⁺ ,K ⁺ -ATPase synergistically aggravates ceramide- and β -amyloid-induced apoptosis in cortical neurons. <i>Brain Research</i> , 2002, 955, 253-259.	1.1	40
83	Regulatory roles of the NMDA receptor GluN3A subunit in locomotion, pain perception and cognitive functions in adult mice. <i>Journal of Physiology</i> , 2013, 591, 149-168.	1.3	40
84	The Involvement of Autophagy Pathway in Exaggerated Ischemic Brain Damage in Diabetic Mice. <i>CNS Neuroscience and Therapeutics</i> , 2013, 19, 753-763.	1.9	39
85	Protective effects of GPR37 <i>via</i> regulation of inflammation and multiple cell death pathways after ischemic stroke in mice. <i>FASEB Journal</i> , 2019, 33, 10680-10691.	0.2	39
86	Administration of low dose estrogen attenuates gliosis and protects neurons in acute spinal cord injury in rats. <i>Journal of Neurochemistry</i> , 2016, 136, 1064-1073.	2.1	38
87	Regulatory Role of the JNK-STAT1/3 Signaling in Neuronal Differentiation of Cultured Mouse Embryonic Stem Cells. <i>Cellular and Molecular Neurobiology</i> , 2014, 34, 881-893.	1.7	37
88	Neonatal inflammatory pain and systemic inflammatory responses as possible environmental factors in the development of autism spectrum disorder of juvenile rats. <i>Journal of Neuroinflammation</i> , 2016, 13, 109.	3.1	37
89	BDNF inhibits neurodegenerative disease-associated asparaginyl endopeptidase activity <i>via</i> phosphorylation by AKT. <i>JCI Insight</i> , 2018, 3, .	2.3	37
90	The Effect of Recombinant Human Erythropoietin on Neurovasculature Repair after Focal Ischemic Stroke in Neonatal Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 322, 521-528.	1.3	35

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91	Mobilization of Endogenous Bone Marrow Derived Endothelial Progenitor Cells and Therapeutic Potential of Parathyroid Hormone after Ischemic Stroke in Mice. <i>PLoS ONE</i> , 2014, 9, e87284.	1.1	35
92	Sublethal Transient Global Ischemia Stimulates Migration of Neuroblasts and Neurogenesis in Mice. <i>Translational Stroke Research</i> , 2010, 1, 184-196.	2.3	34
93	Intracranial Transplantation of Hypoxia-Preconditioned iPSC-Derived Neural Progenitor Cells Alleviates Neuropsychiatric Defects after Traumatic Brain Injury in Juvenile Rats. <i>Cell Transplantation</i> , 2016, 25, 797-809.	1.2	34
94	Cortical Transplantation of Brain-Mimetic Glycosaminoglycan Scaffolds and Neural Progenitor Cells Promotes Vascular Regeneration and Functional Recovery after Ischemic Stroke in Mice. <i>Advanced Healthcare Materials</i> , 2020, 9, e1900285.	3.9	34
95	C/EBP β is a key transcription factor for APOE and preferentially mediates ApoE4 expression in Alzheimer's disease. <i>Molecular Psychiatry</i> , 2021, 26, 6002-6022.	4.1	32
96	Ion Channels in Regulation of Neuronal Regenerative Activities. <i>Translational Stroke Research</i> , 2014, 5, 156-162.	2.3	30
97	Synaptic mutant huntingtin inhibits synapsin-1 phosphorylation and causes neurological symptoms. <i>Journal of Cell Biology</i> , 2013, 202, 1123-1138.	2.3	29
98	Enhanced Neurogenesis and Collaterogenesis by Sodium Danshensu Treatment After Focal Cerebral Ischemia in Mice. <i>Cell Transplantation</i> , 2018, 27, 622-636.	1.2	29
99	Multiple Channel Interactions Explain the Protection of Sympathetic Neurons from Apoptosis Induced by Nerve Growth Factor Deprivation. <i>Journal of Neuroscience</i> , 2002, 22, 114-122.	1.7	28
100	Block of Na ⁺ ,K ⁺ -ATPase and Induction of Hybrid Death by 4-Aminopyridine in Cultured Cortical Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 502-506.	1.3	27
101	Valinomycin-induced apoptosis in Chinese hamster ovary cells. <i>Neuroscience Letters</i> , 2006, 405, 68-73.	1.0	27
102	Selective activation of group II mGluRs with LY354740 does not prevent neuronal excitotoxicity. <i>Neuropharmacology</i> , 1999, 38, 1621-1630.	2.0	26
103	Therapeutic Strategy of Erythropoietin in Neurological Disorders. <i>CNS and Neurological Disorders - Drug Targets</i> , 2008, 7, 227-234.	0.8	26
104	Improved Therapeutic Benefits by Combining Physical Cooling With Pharmacological Hypothermia After Severe Stroke in Rats. <i>Stroke</i> , 2016, 47, 1907-1913.	1.0	26
105	Critical roles of Src family tyrosine kinases in excitatory neuronal differentiation of cultured embryonic stem cells. <i>Experimental Cell Research</i> , 2006, 312, 3096-3107.	1.2	25
106	Cell death and proliferation in NF- κ B p50 knockout mouse after cerebral ischemia. <i>Brain Research</i> , 2008, 1230, 281-289.	1.1	24
107	Delta-secretase (AEP) mediates tau-splicing imbalance and accelerates cognitive decline in tauopathies. <i>Journal of Experimental Medicine</i> , 2018, 215, 3038-3056.	4.2	24
108	Systematic Review of Erythropoietin (EPO) for Neuroprotection in Human Studies. <i>Neurochemical Research</i> , 2021, 46, 732-739.	1.6	24

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109	ApoE4 activates C/EBP β -secretase with 27-hydroxycholesterol, driving the pathogenesis of Alzheimer's disease. <i>Progress in Neurobiology</i> , 2021, 202, 102032.	2.8	24
110	Neuropsychological Deficits Chronically Developed after Focal Ischemic Stroke and Beneficial Effects of Pharmacological Hypothermia in the Mouse. , 2020, 11, 1.		23
111	Priming of the Cells: Hypoxic Preconditioning for Stem Cell Therapy. <i>Chinese Medical Journal</i> , 2017, 130, 2361-2374.	0.9	23
112	Expression of the NMDA receptor subunit GluN3A (NR3A) in the olfactory system and its regulatory role on olfaction in the adult mouse. <i>Brain Structure and Function</i> , 2016, 221, 3259-3273.	1.2	22
113	Conversion of Reactive Astrocytes to Induced Neurons Enhances Neuronal Repair and Functional Recovery After Ischemic Stroke. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 612856.	1.7	22
114	Transplantation of iPS cell-derived neural progenitors overexpressing SDF-1 α increases regeneration and functional recovery after ischemic stroke. <i>Oncotarget</i> , 2017, 8, 97537-97553.	0.8	22
115	Expression of heparanase in vascular cells and astrocytes of the mouse brain after focal cerebral ischemia. <i>Brain Research</i> , 2012, 1433, 137-144.	1.1	21
116	Non-genetic Purification of Ventricular Cardiomyocytes from Differentiating Embryonic Stem Cells through Molecular Beacons Targeting IRX-4. <i>Stem Cell Reports</i> , 2015, 5, 1239-1249.	2.3	21
117	A neuroprotective role of the NMDA receptor subunit GluN3A (NR3A) in ischemic stroke of the adult mouse. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C570-C577.	2.1	21
118	Impaired social behaviors and minimized oxytocin signaling of the adult mice deficient in the N-methyl-d-aspartate receptor GluN3A subunit. <i>Experimental Neurology</i> , 2018, 305, 1-12.	2.0	21
119	Delayed treatment of 6-bromoindirubin oxime stimulates neurogenesis and functional recovery after focal ischemic stroke in mice. <i>International Journal of Developmental Neuroscience</i> , 2017, 57, 77-84.	0.7	20
120	Pathogenesis of sporadic Alzheimer's disease by deficiency of NMDA receptor subunit GluN3A. <i>Alzheimer's and Dementia</i> , 2022, 18, 222-239.	0.4	19
121	Potassium attenuates zinc-induced death of cultured cortical astrocytes. <i>Glia</i> , 2004, 46, 18-27.	2.5	18
122	Potential role of KCNQ/M-channels in regulating neuronal differentiation in mouse hippocampal and embryonic stem cell-derived neuronal cultures. <i>Experimental Neurology</i> , 2011, 229, 471-483.	2.0	18
123	Pharmacological hypothermia induced neurovascular protection after severe stroke of transient middle cerebral artery occlusion in mice. <i>Experimental Neurology</i> , 2020, 325, 113133.	2.0	18
124	Neonatal Maternal Deprivation Followed by Adult Stress Enhances Adrenergic Signaling to Advance Visceral Hypersensitivity. <i>Neuroscience Bulletin</i> , 2019, 35, 4-14.	1.5	17
125	Ca ²⁺ independent, but voltage- and activity-dependent regulation of the NMDA receptor outward K ⁺ current in mouse cortical neurons. <i>Journal of Physiology</i> , 2003, 551, 403-417.	1.3	16
126	Primed for lethal battle: A step forward to enhance the efficacy and efficiency of stem cell transplantation therapy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 138, 527.	0.4	16

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127	Neonatal Colonic Inflammation Increases Spinal Transmission and Cystathionine β -Synthetase Expression in Spinal Dorsal Horn of Rats with Visceral Hypersensitivity. <i>Frontiers in Pharmacology</i> , 2017, 8, 696.	1.6	16
128	DPP-4 Inhibitor Linagliptin is Neuroprotective in Hyperglycemic Mice with Stroke via the AKT/mTOR Pathway and Anti-apoptotic Effects. <i>Neuroscience Bulletin</i> , 2020, 36, 407-418.	1.5	15
129	DL-3-n-butylphthalide Increases Collaterogenesis and Functional Recovery after Focal Ischemic Stroke in Mice. , 2021, 12, 1835.		15
130	Regeneration after stroke: Stem cell transplantation and trophic factors. <i>Brain Circulation</i> , 2016, 2, 86.	0.7	15
131	Neuronal ApoE4 stimulates C/EBP β activation, promoting Alzheimer's disease pathology in a mouse model. <i>Progress in Neurobiology</i> , 2022, 209, 102212.	2.8	15
132	Development of a novel two-dimensional directed differentiation system for generation of cardiomyocytes from human pluripotent stem cells. <i>International Journal of Cardiology</i> , 2013, 168, 41-52.	0.8	14
133	Small molecule promoted feeder free and adherent differentiation of functional neurons from human embryonic and induced pluripotent stem cells. <i>Journal of Stem Cells</i> , 2011, 6, 1-7.	1.0	13
134	Non-quantal acetylcholine release at mouse neuromuscular junction: Effects of elevated quantal release and aconitine. <i>Neuroscience Letters</i> , 1990, 117, 111-116.	1.0	12
135	Inhibition of cystathionine β -synthetase suppresses sodium channel activities of dorsal root ganglion neurons of rats with lumbar disc herniation. <i>Scientific Reports</i> , 2016, 6, 38188.	1.6	12
136	Efficient neuronal differentiation of mouse ES and iPS cells using a rotary cell culture protocol. <i>Differentiation</i> , 2013, 86, 149-158.	1.0	11
137	Inhibitory Effects of Clofilium on Membrane Currents Associated with Ca ²⁺ Channels, NMDA Receptor Channels and Na ⁺ , K ⁺ -ATPase in Cortical Neurons. <i>Pharmacology</i> , 2005, 73, 162-168.	0.9	10
138	Neurotrophic signaling deficiency exacerbates environmental risks for Alzheimer's disease pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
139	Tuning Protein Dynamics to Sense Rapid Endoplasmic Reticulum Calcium Dynamics. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23289-23298.	7.2	10
140	Stem Cells and Ion Channels. <i>Stem Cells International</i> , 2013, 2013, 1-3.	1.2	9
141	Delta- and beta- secretases crosstalk amplifies the amyloidogenic pathway in Alzheimer's disease. <i>Progress in Neurobiology</i> , 2021, 204, 102113.	2.8	9
142	Honokiol for the Treatment of Neonatal Pain and Prevention of Consequent Neurobehavioral Disorders. <i>Journal of Natural Products</i> , 2015, 78, 2531-2536.	1.5	8
143	Longitudinal MRI evaluation of neuroprotective effects of pharmacologically induced hypothermia in experimental ischemic stroke. <i>Magnetic Resonance Imaging</i> , 2017, 40, 24-30.	1.0	8
144	Improved trafficking and expression of luminopsins for more efficient optical and pharmacological control of neuronal activity. <i>Journal of Neuroscience Research</i> , 2020, 98, 481-490.	1.3	8

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145	Src Tyrosine Kinases Regulate Neuronal Differentiation of Mouse Embryonic Stem Cells Via Modulation of Voltage-Gated Sodium Channel Activity. <i>Neurochemical Research</i> , 2015, 40, 674-687.	1.6	7
146	Neuronal C/EBP β /AEP pathway shortens life span via selective GABAergic neuronal degeneration by FOXO repression. <i>Science Advances</i> , 2022, 8, eabj8658.	4.7	6
147	GPR37 modulates progenitor cell dynamics in a mouse model of ischemic stroke. <i>Experimental Neurology</i> , 2021, 342, 113719.	2.0	5
148	Dual roles of tumor necrosis factor- α receptor-1 in a mouse model of hindlimb ischemia. <i>Vascular Medicine</i> , 2009, 14, 37-46.	0.8	4
149	Molecular Targets and Natural Compounds in Drug Development for the Treatment of Inflammatory Pain. <i>Current Drug Targets</i> , 2018, 19, 1905-1915.	1.0	4
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151	Voltage-dependent and Src-mediated regulation of NMDA receptor single channel outward currents in cortical neurons. <i>Cell Biochemistry and Biophysics</i> , 2007, 47, 257-270.	0.9	2
152	Increased Infarct Volume and Altered Repair Following Ischemic Stroke in Mice Lacking the Brain-Expressed Orphan G Protein-Coupled Receptor GPR37. <i>FASEB Journal</i> , 2018, 32, lb620.	0.2	1
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