Shan Ping Yu

List of Publications by Year
in descending order

153 papers	11,613 citations	30047 54 h-index	30894 102 g-index
156 all docs	156 docs citations	156 times ranked	13331 citing authors

#	Article	IF	Citations
1	Pathogenesis of sporadic Alzheimer's disease by deficiency of NMDA receptor subunit GluN3A. Alzheimer's and Dementia, 2022, 18, 222-239.	0.4	19
2	Neuronal ApoE4 stimulates C/EBPÎ² activation, promoting Alzheimerâ€™s disease pathology in a mouse model. Progress in Neurobiology, 2022, 209, 102212.	2.8	15
3	FSH blockade improves cognition in mice with Alzheimerâ€™s disease. Nature, 2022, 603, 470-476.	13.7	131
4	Neuronal C/EBPÎ²/AEP pathway shortens life span via selective GABAnergic neuronal degeneration by FOXO repression. Science Advances, 2022, 8, eabj8658.	4.7	6
5	C/EBPÎ²/AEP signaling couples atherosclerosis to the pathogenesis of Alzheimerâ€™s disease. Molecular Psychiatry, 2022, 27, 3034-3046.	4.1	4
6	C/EBPÎ² is a key transcription factor for APOE and preferentially mediates ApoE4 expression in Alzheimerâ€™s disease. Molecular Psychiatry, 2021, 26, 6002-6022.	4.1	32
7	Î´-Secretase-cleaved Tau stimulates AÎ² production via upregulating STAT1-BACE1 signaling in Alzheimerâ€™s disease. Molecular Psychiatry, 2021, 26, 586-603.	4.1	54
8	DL-3-n-butylphthalide Increases Collateriogenesis and Functional Recovery after Focal Ischemic Stroke in Mice. , 2021, 12, 1835.		15
9	Systematic Review of Erythropoietin (EPO) for Neuroprotection in Human Studies. Neurochemical Research, 2021, 46, 732-739.	1.6	24
10	Conversion of Reactive Astrocytes to Induced Neurons Enhances Neuronal Repair and Functional Recovery After Ischemic Stroke. Frontiers in Aging Neuroscience, 2021, 13, 612856.	1.7	22
11	Neurotrophic signaling deficiency exacerbates environmental risks for Alzheimerâ€™s disease pathogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	10
12	ApoE4 activates C/EBPÎ²/Î´-secretase with 27-hydroxycholesterol, driving the pathogenesis of Alzheimerâ€™s disease. Progress in Neurobiology, 2021, 202, 102032.	2.8	24
13	GPR37 modulates progenitor cell dynamics in a mouse model of ischemic stroke. Experimental Neurology, 2021, 342, 113719.	2.0	5
14	Tuning Protein Dynamics to Sense Rapid Endoplasmicâ€Reticulum Calcium Dynamics. Angewandte Chemie - International Edition, 2021, 60, 23289-23298.	7.2	10
15	Delta- and beta- secretases crosstalk amplifies the amyloidogenic pathway in Alzheimerâ€™s disease. Progress in Neurobiology, 2021, 204, 102113.	2.8	9
16	Improved trafficking and expression of luminopsins for more efficient optical and pharmacological control of neuronal activity. Journal of Neuroscience Research, 2020, 98, 481-490.	1.3	8
17	DPP-4 Inhibitor Linagliptin is Neuroprotective in Hyperglycemic Mice with Stroke via the AKT/mTOR Pathway and Anti-apoptotic Effects. Neuroscience Bulletin, 2020, 36, 407-418.	1.5	15
18	Traumatic brain injury triggers APP and Tau cleavage by delta-secretase, mediating Alzheimerâ€™s disease pathology. Progress in Neurobiology, 2020, 185, 101730.	2.8	49

#	Article	IF	Citations
19	Pharmacological hypothermia induced neurovascular protection after severe stroke of transient middle cerebral artery occlusion in mice. Experimental Neurology, 2020, 325, 113133.	2.0	18
20	Neuropsychological Deficits Chronically Developed after Focal Ischemic Stroke and Beneficial Effects of Pharmacological Hypothermia in the Mouse. , 2020, 11, 1.		23
21	Cortical Transplantation of Brainâ€Mimetic Glycosaminoglycan Scaffolds and Neural Progenitor Cells Promotes Vascular Regeneration and Functional Recovery after Ischemic Stroke in Mice. Advanced Healthcare Materials, 2020, 9, e1900285.	3.9	34
22	Deficiency in BDNF/TrkB Neurotrophic Activity Stimulates Î³-Secretase by Upregulating C/EBPÎ² in Alzheimerâ€™s Disease. Cell Reports, 2019, 28, 655-669.e5.	2.9	129
23	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
24	Protective effects of GPR37 via regulation of inflammation and multiple cell death pathways after ischemic stroke in mice. FASEB Journal, 2019, 33, 10680-10691.	0.2	39
25	Delta-secretase-cleaved Tau antagonizes TrkB neurotrophic signalings, mediating Alzheimerâ€™s disease pathologies. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9094-9102.	3.3	42
26	Neonatal Maternal Deprivation Followed by Adult Stress Enhances Adrenergic Signaling to Advance Visceral Hypersensitivity. Neuroscience Bulletin, 2019, 35, 4-14.	1.5	17
27	C/EBPÎ² regulates delta-secretase expression and mediates pathogenesis in mouse models of Alzheimerâ€™s disease. Nature Communications, 2018, 9, 1784.	5.8	91
28	Delayed and repeated intranasal delivery of bone marrow stromal cells increases regeneration and functional recovery after ischemic stroke in mice. BMC Neuroscience, 2018, 19, 20.	0.8	43
29	Impaired social behaviors and minimized oxytocin signaling of the adult mice deficient in the N-methyl-d-aspartate receptor GluN3A subunit. Experimental Neurology, 2018, 305, 1-12.	2.0	21
30	Intranasally Delivered Wnt3a Improves Functional Recovery after Traumatic Brain Injury by Modulating Autophagic, Apoptotic, and Regenerative Pathways in the Mouse Brain. Journal of Neurotrauma, 2018, 35, 802-813.	1.7	44
31	Delta-secretase (AEP) mediates tau-splicing imbalance and accelerates cognitive decline in tauopathies. Journal of Experimental Medicine, 2018, 215, 3038-3056.	4.2	24
32	Enhanced Neurogenesis and Collaterogenesis by Sodium Danshensu Treatment After Focal Cerebral Ischemia in Mice. Cell Transplantation, 2018, 27, 622-636.	1.2	29
33	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. Neurotherapeutics, 2018, 15, 770-784.	2.1	51
34	Increased Infarct Volume and Altered Repair Following Ischemic Stroke in Mice Lacking the Brainâ€Expressed Orphan G Proteinâ€Coupled Receptor GPR37. FASEB Journal, 2018, 32, lb620.	0.2	1
35	BDNF inhibits neurodegenerative diseaseâ€“associated asparaginyl endopeptidase activity via phosphorylation by AKT. JCI Insight, 2018, 3, .	2.3	37
36	Molecular Targets and Natural Compounds in Drug Development for the Treatment of Inflammatory Pain. Current Drug Targets, 2018, 19, 1905-1915.	1.0	4

#	Article	IF	Citations
37	Delayed treatment of 6â€Bromoindirubinâ€3â€²â€oxime stimulates neurogenesis and functional recovery after focal ischemic stroke in mice. International Journal of Developmental Neuroscience, 2017, 57, 77-84.	0.7	20
38	DL-3-n-butylphthalide induced neuroprotection, regenerative repair, functional recovery and psychological benefits following traumatic brain injury in mice. Neurochemistry International, 2017, 111, 82-92.	1.9	55
39	Longitudinal MRI evaluation of neuroprotective effects of pharmacologically induced hypothermia in experimental ischemic stroke. Magnetic Resonance Imaging, 2017, 40, 24-30.	1.0	8
40	Inhibition of delta-secretase improves cognitive functions in mouse models of Alzheimerâ€™s disease. Nature Communications, 2017, 8, 14740.	5.8	96
41	GSK-3Î² Inhibition Induced Neuroprotection, Regeneration, and Functional Recovery after Intracerebral Hemorrhagic Stroke. Cell Transplantation, 2017, 26, 395-407.	1.2	45
42	Stem cell transplantation therapy for multifaceted therapeutic benefits after stroke. Progress in Neurobiology, 2017, 157, 49-78.	2.8	127
43	Delta-Secretase Phosphorylation by SRPK2 Enhances Its Enzymatic Activity, Provoking Pathogenesis in Alzheimerâ€™s Disease. Molecular Cell, 2017, 67, 812-825.e5.	4.5	54
44	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
45	Longâ€term survival and regeneration of neuronal and vasculature cells inside the core region after ischemic stroke in adult mice. Brain Pathology, 2017, 27, 480-498.	2.1	49
46	Optogenetic stimulation of glutamatergic neuronal activity in the striatum enhances neurogenesis in the subventricular zone of normal and stroke mice. Neurobiology of Disease, 2017, 98, 9-24.	2.1	58
47	Neonatal Colonic Inflammation Increases Spinal Transmission and Cystathionine Î²-Synthetase Expression in Spinal Dorsal Horn of Rats with Visceral Hypersensitivity. Frontiers in Pharmacology, 2017, 8, 696.	1.6	16
48	Transplantation of iPS cell-derived neural progenitors overexpressing SDF-1Î± increases regeneration and functional recovery after ischemic stroke. Oncotarget, 2017, 8, 97537-97553.	0.8	22
49	Priming of the Cells: Hypoxic Preconditioning for Stem Cell Therapy. Chinese Medical Journal, 2017, 130, 2361-2374.	0.9	23
50	Neuroprotective mechanisms and translational potential of therapeutic hypothermia in the treatment of ischemic stroke. Neural Regeneration Research, 2017, 12, 341.	1.6	48
51	Administration of low dose estrogen attenuates gliosis and protects neurons in acute spinal cord injury in rats. Journal of Neurochemistry, 2016, 136, 1064-1073.	2.1	38
52	Administration of low dose estrogen attenuates persistent inflammation, promotes angiogenesis, and improves locomotor function following chronic spinal cord injury in rats. Journal of Neurochemistry, 2016, 137, 604-617.	2.1	45
53	Inhibition of cystathionine Î²-synthetase suppresses sodium channel activities of dorsal root ganglion neurons of rats with lumbar disc herniation. Scientific Reports, 2016, 6, 38188.	1.6	12
54	Regulation of therapeutic hypothermia on inflammatory cytokines, microglia polarization, migration and functional recovery after ischemic stroke in mice. Neurobiology of Disease, 2016, 96, 248-260.	2.1	109

#	Article	IF	Citations
55	Neonatal inflammatory pain and systemic inflammatory responses as possible environmental factors in the development of autism spectrum disorder of juvenile rats. Journal of Neuroinflammation, 2016, 13, 109.	3.1	37
56	Intracranial Transplantation of Hypoxia-Preconditioned iPSC-Derived Neural Progenitor Cells Alleviates Neuropsychiatric Defects after Traumatic Brain Injury in Juvenile Rats. Cell Transplantation, 2016, 25, 797-809.	1.2	34
57	Improved Therapeutic Benefits by Combining Physical Cooling With Pharmacological Hypothermia After Severe Stroke in Rats. Stroke, 2016, 47, 1907-1913.	1.0	26
58	Expression of the NMDA receptor subunit GluN3A (NR3A) in the olfactory system and its regulatory role on olfaction in the adult mouse. Brain Structure and Function, 2016, 221, 3259-3273.	1.2	22
59	Regeneration after stroke: Stem cell transplantation and trophic factors. Brain Circulation, 2016, 2, 86.	0.7	15
60	Non-genetic Purification of Ventricular Cardiomyocytes from Differentiating Embryonic Stem Cells through Molecular Beacons Targeting IRX-4. Stem Cell Reports, 2015, 5, 1239-1249.	2.3	21
61	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
62	Delta-secretase cleaves amyloid precursor protein and regulates the pathogenesis in Alzheimerâ€™s disease. Nature Communications, 2015, 6, 8762.	5.8	210
63	Src Tyrosine Kinases Regulate Neuronal Differentiation of Mouse Embryonic Stem Cells Via Modulation of Voltage-Gated Sodium Channel Activity. Neurochemical Research, 2015, 40, 674-687.	1.6	7
64	A neuroprotective role of the NMDA receptor subunit GluN3A (NR3A) in ischemic stroke of the adult mouse. American Journal of Physiology - Cell Physiology, 2015, 308, C570-C577.	2.1	21
65	Pharmacologically induced hypothermia attenuates traumatic brain injury in neonatal rats. Experimental Neurology, 2015, 267, 135-142.	2.0	50
66	Neurodevelopmental implications of the general anesthesia in neonate and infants. Experimental Neurology, 2015, 272, 50-60.	2.0	87
67	Honokiol for the Treatment of Neonatal Pain and Prevention of Consequent Neurobehavioral Disorders. Journal of Natural Products, 2015, 78, 2531-2536.	1.5	8
68	Intranasal Delivery of Apelin-13 Is Neuroprotective and Promotes Angiogenesis After Ischemic Stroke in Mice. ASN Neuro, 2015, 7, 175909141560511.	1.5	104
69	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
70	Therapeutic Effects of Pharmacologically Induced Hypothermia against Traumatic Brain Injury in Mice. Journal of Neurotrauma, 2014, 31, 1417-1430.	1.7	58
71	Ionic Regulation of Cell Volume Changes and Cell Death after Ischemic Stroke. Translational Stroke Research, 2014, 5, 17-27.	2.3	91
72	Cell based therapies for ischemic stroke: From basic science to bedside. Progress in Neurobiology, 2014, 115, 92-115.	2.8	171

#	Article	IF	Citations
73	7,8-Dihydroxyflavone Prevents Synaptic Loss and Memory Deficits in a Mouse Model of Alzheimerâ€™s Disease. Neuropsychopharmacology, 2014, 39, 638-650.	2.8	198
74	Ion Channels in Regulation of Neuronal Regenerative Activities. Translational Stroke Research, 2014, 5, 156-162.	2.3	30
75	The <scp>TRPC</scp> channel blocker <scp>SKF</scp> 96365 inhibits glioblastoma cell growth by enhancing reverse mode of the <scp><scp>Na⁺</scp></scp>/<scp><scp>Ca²⁺</scp></scp> exchanger and increasing intracellular <scp><scp>Ca²⁺</scp></scp>. British Journal of Pharmacology, 2014, 171, 3432-3447.	2.7	47
76	Cleavage of tau by asparagine endopeptidase mediates the neurofibrillary pathology in Alzheimer's disease. Nature Medicine, 2014, 20, 1254-1262.	15.2	367
77	Regulatory Role of the JNK-STAT1/3 Signaling in Neuronal Differentiation of Cultured Mouse Embryonic Stem Cells. Cellular and Molecular Neurobiology, 2014, 34, 881-893.	1.7	37
78	Mobilization of Endogenous Bone Marrow Derived Endothelial Progenitor Cells and Therapeutic Potential of Parathyroid Hormone after Ischemic Stroke in Mice. PLoS ONE, 2014, 9, e87284.	1.1	35
79	White Matter Injury and Potential Treatment in Ischemic Stroke. , 2014, , 39-52.		1
80	The Involvement of Autophagy Pathway in Exaggerated Ischemic Brain Damage in Diabetic Mice. CNS Neuroscience and Therapeutics, 2013, 19, 753-763.	1.9	39
81	Development of a novel two-dimensional directed differentiation system for generation of cardiomyocytes from human pluripotent stem cells. International Journal of Cardiology, 2013, 168, 41-52.	0.8	14
82	Purification of Cardiomyocytes From Differentiating Pluripotent Stem Cells Using Molecular Beacons That Target Cardiomyocyte-Specific mRNA. Circulation, 2013, 128, 1897-1909.	1.6	52
83	Preconditioning Strategy in Stem Cell Transplantation Therapy. Translational Stroke Research, 2013, 4, 76-88.	2.3	171
84	Acute and delayed protective effects of pharmacologically induced hypothermia in an intracerebral hemorrhage stroke model of mice. Neuroscience, 2013, 252, 489-500.	1.1	47
85	Regulatory roles of the NMDA receptor GluN3A subunit in locomotion, pain perception and cognitive functions in adult mice. Journal of Physiology, 2013, 591, 149-168.	1.3	40
86	Efficient neuronal differentiation of mouse ES and iPS cells using a rotary cell culture protocol. Differentiation, 2013, 86, 149-158.	1.0	11
87	Stem Cells and Ion Channels. Stem Cells International, 2013, 2013, 1-3.	1.2	9
88	Delayed Intranasal Delivery of Hypoxic-Preconditioned Bone Marrow Mesenchymal Stem Cells Enhanced Cell Homing and Therapeutic Benefits after Ischemic Stroke in Mice. Cell Transplantation, 2013, 22, 977-991.	1.2	163
89	Synaptic mutant huntingtin inhibits synapsin-1 phosphorylation and causes neurological symptoms. Journal of Cell Biology, 2013, 202, 1123-1138.	2.3	29
90	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

#	Article	IF	Citations
91	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
92	Neuro-Modulating Effects of Honokiol: A Review. Frontiers in Neurology, 2013, 4, 130.	1.1	119
93	Inhibition of the Rho signaling pathway improves neurite outgrowth and neuronal differentiation of mouse neural stem cells. International Journal of Physiology, Pathophysiology and Pharmacology, 2013, 5, 11-20.	0.8	42
94	SRPK2 Phosphorylates Tau and Mediates the Cognitive Defects in Alzheimer's Disease. Journal of Neuroscience, 2012, 32, 17262-17272.	1.7	53
95	A novel stroke therapy of pharmacologically induced hypothermia after focal cerebral ischemia in mice. FASEB Journal, 2012, 26, 2799-2810.	0.2	86
96	Expression of heparanase in vascular cells and astrocytes of the mouse brain after focal cerebral ischemia. Brain Research, 2012, 1433, 137-144.	1.1	21
97	Protective effect of apelin on cultured rat bone marrow mesenchymal stem cells against apoptosis. Stem Cell Research, 2012, 8, 357-367.	0.3	71
98	Transplantation of hypoxia preconditioned bone marrow mesenchymal stem cells enhances angiogenesis and neurogenesis after cerebral ischemia in rats. Neurobiology of Disease, 2012, 46, 635-645.	2.1	322
99	Potential role of KCNQ/M-channels in regulating neuronal differentiation in mouse hippocampal and embryonic stem cell-derived neuronal cultures. Experimental Neurology, 2011, 229, 471-483.	2.0	18
100	The role of VEGF/VEGFR2 signaling in peripheral stimulation-induced cerebral neurovascular regeneration after ischemic stroke in mice. Experimental Brain Research, 2011, 214, 503-513.	0.7	45
101	Hypoxic preconditioning enhances bone marrow mesenchymal stem cell migration via Kv2.1 channel and FAK activation. American Journal of Physiology - Cell Physiology, 2011, 301, C362-C372.	2.1	107
102	Small molecule promoted feeder free and adherent differentiation of functional neurons from human embryonic and induced pluripotent stem cells. Journal of Stem Cells, 2011, 6, 1-7.	1.0	13
103	Sublethal Transient Global Ischemia Stimulates Migration of Neuroblasts and Neurogenesis in Mice. Translational Stroke Research, 2010, 1, 184-196.	2.3	34
104	dl-3-n-Butylphthalide prevents neuronal cell death after focal cerebral ischemia in mice via the JNK pathway. Brain Research, 2010, 1359, 216-226.	1.1	105
105	Neuroprotective effect of the endogenous neural peptide apelin in cultured mouse cortical neurons. Experimental Cell Research, 2010, 316, 1773-1783.	1.2	140
106	Neuroprotective efficacy of estrogen in experimental spinal cord injury in rats. Annals of the New York Academy of Sciences, 2010, 1199, 90-94.	1.8	44
107	Dual roles of tumor necrosis factor-Î± receptor-1 in a mouse model of hindlimb ischemia. Vascular Medicine, 2009, 14, 37-46.	0.8	4
108	Primed for lethal battle: A step forward to enhance the efficacy and efficiency of stem cell transplantation therapy. Journal of Thoracic and Cardiovascular Surgery, 2009, 138, 527.	0.4	16

#	Article	IF	Citations
109	Enhanced neurogenesis and cell migration following focal ischemia and peripheral stimulation in mice. Developmental Neurobiology, 2008, 68, 1474-1486.	1.5	62
110	Formation of Kv2.1â€FAK complex as a mechanism of FAK activation, cell polarization and enhanced motility. Journal of Cellular Physiology, 2008, 217, 544-557.	2.0	44
111	Transplantation of Embryonic Stem Cells Improves Nerve Repair and Functional Recovery After Severe Sciatic Nerve Axotomy in Rats. Stem Cells, 2008, 26, 1356-1365.	1.4	131
112	Cell death and proliferation in NF-Î°B p50 knockout mouse after cerebral ischemia. Brain Research, 2008, 1230, 281-289.	1.1	24
113	Transplantation of hypoxia-preconditioned mesenchymal stem cells improves infarcted heart function via enhanced survival of implanted cells and angiogenesis. Journal of Thoracic and Cardiovascular Surgery, 2008, 135, 799-808.	0.4	537
114	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. Experimental Neurology, 2008, 210, 656-670.	2.0	222
115	Therapeutic Strategy of Erythropoietin in Neurological Disorders. CNS and Neurological Disorders - Drug Targets, 2008, 7, 227-234.	0.8	26
116	The Effect of Recombinant Human Erythropoietin on Neurovasculature Repair after Focal Ischemic Stroke in Neonatal Rats. Journal of Pharmacology and Experimental Therapeutics, 2007, 322, 521-528.	1.3	35
117	Whisker Stimulation Enhances Angiogenesis in the Barrel Cortex following Focal Ischemia in Mice. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 57-68.	2.4	50
118	Erythropoietin-Induced Neurovascular Protection, Angiogenesis, and Cerebral Blood Flow Restoration after Focal Ischemia in Mice. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1043-1054.	2.4	193
119	Voltage-dependent and Src-mediated regulation of NMDA receptor single channel outward currents in cortical neurons. Cell Biochemistry and Biophysics, 2007, 47, 257-270.	0.9	2
120	Valinomycin-induced apoptosis in Chinese hamster ovary cells. Neuroscience Letters, 2006, 405, 68-73.	1.0	27
121	Critical roles of Src family tyrosine kinases in excitatory neuronal differentiation of cultured embryonic stem cells. Experimental Cell Research, 2006, 312, 3096-3107.	1.2	25
122	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
123	Novel regulation of Na+, K+-ATPase by Src tyrosine kinases in cortical neurons. Journal of Neurochemistry, 2005, 93, 1515-1523.	2.1	49
124	Inhibitory Effects of Clofilium on Membrane Currents Associated with Ca²⁺ Channels, NMDA Receptor Channels and Na⁺, K⁺-ATPase in Cortical Neurons. Pharmacology, 2005, 73, 162-168.	0.9	10
125	Transplantation of embryonic stem cells overexpressing Bcl-2 promotes functional recovery after transient cerebral ischemia. Neurobiology of Disease, 2005, 19, 183-193.	2.1	184
126	Angiogenesis and stem cell transplantation as potential treatments of cerebral ischemic stroke. Pathophysiology, 2005, 12, 47-62.	1.0	44

#	Article	IF	Citations
127	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
128	Effects of chloride and potassium channel blockers on apoptotic cell shrinkage and apoptosis in cortical neurons. Pflugers Archiv European Journal of Physiology, 2004, 448, 325-334.	1.3	84
129	Potassium attenuates zinc-induced death of cultured cortical astrocytes. Glia, 2004, 46, 18-27.	2.5	18
130	Na+, K+-ATPase: the new face of an old player in pathogenesis and apoptotic/hybrid cell death. Biochemical Pharmacology, 2003, 66, 1601-1609.	2.0	169
131	Ca 2+ â€independent, but voltageâ€and activityâ€dependent regulation of the NMDA receptor outward K + current in mouse cortical neurons. Journal of Physiology, 2003, 551, 403-417.	1.3	16
132	Regulation and critical role of potassium homeostasis in apoptosis. Progress in Neurobiology, 2003, 70, 363-386.	2.8	325
133	Block of Na+,K+-ATPase and Induction of Hybrid Death by 4-Aminopyridine in Cultured Cortical Neurons. Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 502-506.	1.3	27
134	Apoptotic insults impair Na+, K+-ATPase activity as a mechanism of neuronal death mediated by concurrent ATP deficiency and oxidant stress. Journal of Cell Science, 2003, 116, 2099-2110.	1.2	129
135	Potassium Channel Blockers Attenuate Hypoxia- and Ischemia-Induced Neuronal Death In Vitro and In Vivo. Stroke, 2003, 34, 1281-1286.	1.0	109
136	Multiple Channel Interactions Explain the Protection of Sympathetic Neurons from Apoptosis Induced by Nerve Growth Factor Deprivation. Journal of Neuroscience, 2002, 22, 114-122.	1.7	28
137	Metabotropic Glutamate Receptor 1-Induced Upregulation of NMDA Receptor Current: Mediation through the Pyk2/Src-Family Kinase Pathway in Cortical Neurons. Journal of Neuroscience, 2002, 22, 5452-5461.	1.7	200
138	Slight impairment of Na+,K+-ATPase synergistically aggravates ceramide- and Î²-amyloid-induced apoptosis in cortical neurons. Brain Research, 2002, 955, 253-259.	1.1	40
139	Ionic Mechanism of Ouabain-Induced Concurrent Apoptosis and Necrosis in Individual Cultured Cortical Neurons. Journal of Neuroscience, 2002, 22, 1350-1362.	1.7	221
140	Role of the Outward Delayed Rectifier K+ Current in Ceramide-Induced Caspase Activation and Apoptosis in Cultured Cortical Neurons. Journal of Neurochemistry, 2001, 73, 933-941.	2.1	126
141	Ion homeostasis and apoptosis. Current Opinion in Cell Biology, 2001, 13, 405-411.	2.6	354
142	Zn 2+ current is mediated by voltageâ€gated Ca 2+ channels and enhanced by extracellular acidity in mouse cortical neurones. Journal of Physiology, 2000, 528, 39-52.	1.3	97
143	Modulation and genetic identification of the M channel. Progress in Biophysics and Molecular Biology, 2000, 73, 135-166.	1.4	100
144	Selective activation of group II mGluRs with LY354740 does not prevent neuronal excitotoxicity. Neuropharmacology, 1999, 38, 1621-1630.	2.0	26

#	Article	IF	Citations
145	Endogenous voltage-gated potassium channels in human embryonic kidney (HEK293) cells. Journal of Neuroscience Research, 1998, 52, 612-617.	1.3	129
146	Enhancement of Outward Potassium Current May Participate in Î²-Amyloid Peptide-Induced Cortical Neuronal Death. Neurobiology of Disease, 1998, 5, 81-88.	2.1	172
147	Mediation of Neuronal Apoptosis by Enhancement of Outward Potassium Current. Science, 1997, 278, 114-117.	6.0	552
148	Measurement of Intracellular Free Zinc in Living Cortical Neurons: Routes of Entry. Journal of Neuroscience, 1997, 17, 9554-9564.	1.7	436
149	Na+-Ca2+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
150	Buckminsterfullerenol Free Radical Scavengers Reduce Excitotoxic and Apoptotic Death of Cultured Cortical Neurons. Neurobiology of Disease, 1996, 3, 129-135.	2.1	352
151	DCG-IV Selectively Attenuates Rapidly Triggered NMDA-induced Neurotoxicity in Cortical Neurons. European Journal of Neuroscience, 1996, 8, 138-143.	1.2	69
152	Concomitant Acceleration of the Activation and Inactivation Kinetics of the Human Delayed Rectifier K+ Channel (Kv1.1) by Ca2+-independent Phospholipase A2. Journal of Biological Chemistry, 1995, 270, 2885-2888.	1.6	43
153	Non-quantal acetylcholine release at mouse neuromuscular junction: Effects of elevated quantal release and aconitine. Neuroscience Letters, 1990, 117, 111-116.	1.0	12