Zhiyi Zuo

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4091713/publications.pdf

Version: 2024-02-01

		47409	84171
246 papers	8,216 citations	49 h-index	75 g-index

246 all docs	246 docs citations	246 times ranked	8750 citing authors

#	Article	IF	Citations
1	Glial cell-derived neurotrophic factor decrease may mediate learning, memory and behavior impairments in rats after neonatal surgery. Brain Research Bulletin, 2022, 178, 9-16.	1.4	5
2	Critical role of FPR1 in splenocyte migration into brain to worsen inflammation and ischemic brain injury in mice. Theranostics, 2022, 12, 3024-3044.	4.6	8
3	High-speed multi-parametric photoacoustic microscopy of cerebral hemodynamic and metabolic responses to acute hemodilution. Optics Letters, 2022, 47, 1988.	1.7	7
4	Preoperative environment enrichment preserved neuroligin 1 expression possibly via epigenetic regulation to reduce postoperative cognitive dysfunction in mice. CNS Neuroscience and Therapeutics, 2022, 28, 619-629.	1.9	16
5	Discovery of Novel Drug Candidates for Alzheimerâ€™s Disease by Molecular Network Modeling. Frontiers in Aging Neuroscience, 2022, 14, 850217.	1.7	4
6	Excessive dietary salt promotes neuroinflammation to worsen retinopathy in mice with streptozotocin-induced diabetes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166426.	1.8	2
7	Activation of the Lateral Habenulaâ€Ventral Tegmental Area Neural Circuit Contributes to Postoperative Cognitive Dysfunction in Mice. Advanced Science, 2022, 9, .	5.6	16
8	Do We Have Measures to Reduce Post-operative Cognitive Dysfunction?. Frontiers in Neuroscience, 2022, 16, .	1.4	2
9	Gut Microbiome Features of Chinese Patients Newly Diagnosed with Alzheimerâ€™s Disease or Mild Cognitive Impairment. Advances in Alzheimer's Disease, 2022, , .	0.2	0
10	Dexmedetomidine attenuates sepsis-associated inflammation and encephalopathy via central Î±2A adrenoceptor. Brain, Behavior, and Immunity, 2021, 91, 296-314.	2.0	84
11	A retrospective observational pilot study on the effects of dexmedetomidine on neurological outcomes after aneurysmal subarachnoid hemorrhage. Journal of Clinical Anesthesia, 2021, 68, 110106.	0.7	1
12	Paraventricular thalamic nucleus plays a critical role in consolation and anxious behaviors of familiar observers exposed to surgery mice. Theranostics, 2021, 11, 3813-3829.	4.6	15
13	Minimum Alveolar Concentration-Awake of Sevoflurane is Decreased in Patients with Parkinsonâ€™s Disease: An Up-and-Down Sequential Allocation Trial. Clinical Interventions in Aging, 2021, Volume 16, 129-137.	1.3	1
14	Intravenous versus Volatile Anesthetic Effects on Postoperative Cognition in Elderly Patients Undergoing Laparoscopic Abdominal Surgery. Anesthesiology, 2021, 134, 381-394.	1.3	48
15	Gut Microbiome Features of Chinese Patients Newly Diagnosed with Alzheimerâ€™s Disease or Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2021, 80, 299-310.	1.2	86
16	Role of Sox2 in Learning, Memory, and Postoperative Cognitive Dysfunction in Mice. Cells, 2021, 10, 727.	1.8	7
17	Surgery Trauma Severity but not Anesthesia Length Contributes to Postoperative Cognitive Dysfunction in Mice. Journal of Alzheimer's Disease, 2021, 80, 245-257.	1.2	11
18	Norepinephrine inhibits migration and invasion of human glioblastoma cell cultures possibly via MMP-11 inhibition. Brain Research, 2021, 1756, 147280.	1.1	8

#	Article	IF	Citations
19	Hemodynamic and oxygen-metabolic responses of the awake mouse brain to hypercapnia revealed by multi-parametric photoacoustic microscopy. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2628-2639.	2.4	10
20	Tollâ€like receptor 2 activation and upâ€regulation by high mobility group boxâ€1 contribute to postâ€operative neuroinflammation and cognitive dysfunction in mice. Journal of Neurochemistry, 2021, 158, 328-341.	2.1	30
21	A Patient-Controlled Intravenous Analgesia With Tramadol Ameliorates Postpartum Depression in High-Risk Woman After Cesarean Section: A Randomized Controlled Trial. Frontiers in Medicine, 2021, 8, 679159.	1.2	7
22	Anesthetics and Postoperative Cognition: Reply. Anesthesiology, 2021, 135, 768-770.	1.3	0
23	Appropriate exercise level attenuates gut dysbiosis and valeric acid increase to improve neuroplasticity and cognitive function after surgery in mice. Molecular Psychiatry, 2021, 26, 7167-7187.	4.1	63
24	Perioperative Neurocognitive Disorder. Anesthesiology, 2020, 132, 55-68.	1.3	106
25	Learning and memory dysfunction of non-surgery cage-mates of mice with surgery. Stress, 2020, 23, 474-480.	0.8	4
26	A Novel Individual-based Determination of Postoperative Cognitive Dysfunction in Mice. , 2020, 11, 1133.		15
27	Surgery, Anesthesia and Intensive Care Environment Induce Delirium-Like Behaviors and Impairment of Synaptic Function-Related Gene Expression in Aged Mice. Frontiers in Aging Neuroscience, 2020, 12, 542421.	1.7	12
28	Amantadine Alleviates Postoperative Cognitive Dysfunction Possibly by Preserving Neurotrophic Factor Expression and Dendritic Arborization in the Hippocampus of Old Rodents. Frontiers in Aging Neuroscience, 2020, 12, 605330.	1.7	15
29	Perioperative Dexmedetomidine attenuates brain ischemia reperfusion injury possibly via up-regulation of astrocyte Connexin 43. BMC Anesthesiology, 2020, 20, 299.	0.7	5
30	Histone Deacetylases May Mediate Surgery-Induced Impairment of Learning, Memory, and Dendritic Development. Molecular Neurobiology, 2020, 57, 3702-3711.	1.9	15
31	Homocysteine Level Predicts Response to Dual Antiplatelet in Women With Minor Stroke or Transient Ischemic Attack. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 839-846.	1.1	18
32	Attenuation of noisy environment-induced neuroinflammation and dysfunction of learning and memory by minocycline during perioperative period in mice. Brain Research Bulletin, 2020, 159, 16-24.	1.4	10
33	Ulinastatin attenuates isoflurane-induced cognitive dysfunction in aged rats by inhibiting neuroinflammation and Î²-amyloid peptide expression in the brain. Neurological Research, 2019, 41, 923-929.	0.6	17
34	Critical role of UQCRC1 in embryo survival, brain ischemic tolerance and normal cognition in mice. Cellular and Molecular Life Sciences, 2019, 76, 1381-1396.	2.4	35
35	Photoacoustic Microscopy of Cerebral Hemodynamic and Metabolic Responses to General Anesthetics. , 2019, , 215-227.		0
36	Attenuating oxygen-glucose deprivation-caused autophagosome accumulation may be involved in sevoflurane postconditioning-induced protection in human neuron-like cells. European Journal of Pharmacology, 2019, 849, 84-95.	1.7	22

#	Article	IF	Citations
37	Both GSK-3Î²/CRMP2 and CDK5/CRMP2 Pathways Participate in the Protection of Dexmedetomidine Against Propofol-Induced Learning and Memory Impairment in Neonatal Rats. Toxicological Sciences, 2019, 171, 193-210.	1.4	20
38	Sevoflurane promotes migration, invasion, and colony-forming ability of human glioblastoma cells possibly via increasing the expression of cell surface protein 44. Acta Pharmacologica Sinica, 2019, 40, 1424-1435.	2.8	20
39	Pharmacologic (Receptor-Based) Mechanisms of Perioperative Neurocognitive Disorder. , 2019, , 92-100.		0
40	General Anesthetics Are Neuroprotective. Journal of Neurosurgical Anesthesiology, 2019, 31, 360-362.	0.6	1
41	Neonatal anesthesia impairs synapsin 1 and synaptotagmin 1, two key regulators of synaptic vesicle docking and fusion. NeuroReport, 2019, 30, 544-549.	0.6	6
42	Comparison of Broadband and Discrete Wavelength Near-Infrared Spectroscopy Algorithms for the Detection of Cytochrome aa3 Reduction. Anesthesia and Analgesia, 2019, 129, 1273-1280.	1.1	4
43	Photoacoustic microscopy of obesity-induced cerebrovascular alterations. NeuroImage, 2019, 188, 369-379.	2.1	29
44	Comprehensive Characterization of Cerebrovascular Dysfunction in Blast Traumatic Brain Injury Using Photoacoustic Microscopy. Journal of Neurotrauma, 2019, 36, 1526-1534.	1.7	16
45	Amantadine attenuates sepsis-induced cognitive dysfunction possibly not through inhibiting toll-like receptor 2. Journal of Molecular Medicine, 2018, 96, 391-402.	1.7	21
46	Age-Related Upregulation of Carboxyl Terminal Modulator Protein Contributes to the Decreased Brain Ischemic Tolerance in Older Rats. Molecular Neurobiology, 2018, 55, 6145-6154.	1.9	11
47	Calpain and JNK pathways participate in isoflurane â€“ induced nucleus translocation of apoptosis-inducing factor in the brain of neonatal rats. Toxicology Letters, 2018, 285, 60-73.	0.4	15
48	Critical role of NLRP3-caspase-1 pathway in age-dependent isoflurane-induced microglial inflammatory response and cognitive impairment. Journal of Neuroinflammation, 2018, 15, 109.	3.1	141
49	Ligustrazine Enhances the Hypnotic and Analgesic Effect of Ketamine in Mice. Biological and Pharmaceutical Bulletin, 2018, 41, 690-696.	0.6	5
50	Morphine reduces mouse microglial engulfment induced by lipopolysaccharide and interferon-Î³ via Î´ opioid receptor and p38 mitogen-activated protein kinase. Neurological Research, 2018, 40, 602-608.	0.6	8
51	Quantitative mapping of genetic similarity in human heritable diseases by shared mutations. Human Mutation, 2018, 39, 292-301.	1.1	8
52	Early administration of pyrrolidine dithiocarbamate extends the therapeutic time window of tissue plasminogen activator in a male rat model of embolic stroke. Journal of Neuroscience Research, 2018, 96, 449-458.	1.3	3
53	Photoacoustic microscopy reveals the hemodynamic basis of sphingosine 1-phosphate-induced neuroprotection against ischemic stroke. Theranostics, 2018, 8, 6111-6120.	4.6	34
54	Patient-controlled intravenous tramadol versus patient-controlled intravenous hydromorphone for analgesia after secondary cesarean delivery: a randomized controlled trial to compare analgesic, anti-anxiety and anti-depression effects. Journal of Pain Research, 2018, Volume 12, 49-59.	0.8	14

#	Article	IF	Citations
55	A response to readersâ€™ comments. Journal of Neuroinflammation, 2018, 15, 267.	3.1	0
56	Perioperative use of cefazolin ameliorates postoperative cognitive dysfunction but induces gut inflammation in mice. Journal of Neuroinflammation, 2018, 15, 235.	3.1	30
57	Bevacizumab Monotherapy Reduces Radiation-induced Brain Necrosis in Nasopharyngeal Carcinoma Patients: A Randomized Controlled Trial. International Journal of Radiation Oncology Biology Physics, 2018, 101, 1087-1095.	0.4	76
58	Endothelial cell Pannexin1 modulates severity of ischemic stroke by regulating cerebral inflammation and myogenic tone. JCI Insight, 2018, 3, .	2.3	45
59	Endothelial Cell Pannexin1 Modulates Severity of Ischemic Stroke by Regulating Cerebral Inflammation and Myogenic Tone. FASEB Journal, 2018, 32, 575.8.	0.2	0
60	Critical role of P2X7 receptors in the neuroinflammation and cognitive dysfunction after surgery. Brain, Behavior, and Immunity, 2017, 61, 365-374.	2.0	71
61	Decrease of glial cell-derived neurotrophic factor contributes to anesthesia- and surgery-induced learning and memory dysfunction in neonatal rats. Journal of Molecular Medicine, 2017, 95, 369-379.	1.7	35
62	Pretreatment with minocycline restores neurogenesis in the subventricular zone and subgranular zone of the hippocampus after ketamine exposure in neonatal rats. Neuroscience, 2017, 352, 144-154.	1.1	21
63	Functional and oxygen-metabolic photoacoustic microscopy of the awake mouse brain. NeuroImage, 2017, 150, 77-87.	2.1	129
64	Broadband near-infrared spectroscopy can detect cyanide-induced cytochrome aa3 inhibition in rats: a proof of concept study. Canadian Journal of Anaesthesia, 2017, 64, 376-384.	0.7	6
65	Glutamate transporter type 3 participates in maintaining morphine-induced conditioned place preference. Neuroscience, 2017, 344, 67-73.	1.1	8
66	Hydrochlorothiazide modulates ischemic heart failureâ€induced cardiac remodeling via inhibiting angiotensin II type 1 receptor pathway in rats. Cardiovascular Therapeutics, 2017, 35, e12246.	1.1	11
67	Comparison of the cerebroprotective effect of inhalation anaesthesia and total intravenous anaesthesia in patients undergoing cardiac surgery with cardiopulmonary bypass: a systematic review and meta-analysis. BMJ Open, 2017, 7, e014629.	0.8	34
68	Photoacoustic microscopy of cerebral hemodynamic and oxygen-metabolic responses to anesthetics. Proceedings of SPIE, 2017, , .	0.8	0
69	Haptoglobin 2â€2 Phenotype Is Associated With Increased Acute Kidney Injury After Elective Cardiac Surgery in Patients With Diabetes Mellitus. Journal of the American Heart Association, 2017, 6, .	1.6	10
70	Critical role of matrix metallopeptidase 9 in postoperative cognitive dysfunction and age-dependent cognitive decline. Oncotarget, 2017, 8, 51817-51829.	0.8	37
71	Anesthetic effects on autophagy. Medical Gas Research, 2017, 7, 204.	1.2	7
72	Protective Effect of Minocycline Against Ketamine-Induced Injury in Neural Stem Cell: Involvement of PI3K/Akt and Gsk-3 Beta Pathway. Frontiers in Molecular Neuroscience, 2016, 9, 135.	1.4	27

#	Article	IF	Citations
73	C-reactive protein can upregulate VEGF expression to promote ADSC-induced angiogenesis by activating HIF-1Î± via CD64/PI3k/Akt and MAPK/ERK signaling pathways. Stem Cell Research and Therapy, 2016, 7, 114.	2.4	76
74	Deferoxamine pre-treatment protects against postoperative cognitive dysfunction of aged rats by depressing microglial activation via ameliorating iron accumulation in hippocampus. Neuropharmacology, 2016, 111, 180-194.	2.0	33
75	Non-Invasive, Focal Disconnection of Brain Circuitry Using Magnetic Resonance-Guided Low-Intensity Focused UltrasoundÂto Deliver a Neurotoxin. Ultrasound in Medicine and Biology, 2016, 42, 2261-2269.	0.7	13
76	Isoflurane attenuates mouse microglial engulfment induced by lipopolysaccharide and interferon-Î³ possibly by inhibition of p38 mitogen-activated protein kinase. NeuroReport, 2016, 27, 1101-1105.	0.6	3
77	Enriched Environment Attenuates Surgery-Induced Impairment of Learning, Memory, and Neurogenesis Possibly by Preserving BDNF Expression. Molecular Neurobiology, 2016, 53, 344-354.	1.9	100
78	Dexmedetomidine post-treatment induces neuroprotection via activation of extracellular signal-regulated kinase in rats with subarachnoid haemorrhage. British Journal of Anaesthesia, 2016, 116, 384-392.	1.5	52
79	Dexmedetomidine Postconditioning Reduces Brain Injury after Brain Hypoxia-Ischemia in Neonatal Rats. Journal of NeuroImmune Pharmacology, 2016, 11, 238-247.	2.1	62
80	Maternal Exposure of Rats to Isoflurane during Late Pregnancy Impairs Spatial Learning and Memory in the Offspring by Up-Regulating the Expression of Histone Deacetylase 2. PLoS ONE, 2016, 11, e0160826.	1.1	19
81	Dexmedetomidine-induced neuroprotection: is it translational?. Translational Perioperative and Pain Medicine, 2016, 1, 15-19.	0.0	19
82	Neonatal exposure to sevoflurane may not cause learning and memory deficits and behavioral abnormality in the childhood of Cynomolgus monkeys. Scientific Reports, 2015, 5, 11145.	1.6	52
83	Transfusion of Old RBCs Induces Neuroinflammation and Cognitive Impairment. Critical Care Medicine, 2015, 43, e276-e286.	0.4	30
84	Activation of Adenosine Triphosphateâ€“regulated Potassium Channels during Reperfusion Restores Isoflurane Postconditioning-induced Cardiac Protection in Acutely Hyperglycemic Rabbits. Anesthesiology, 2015, 122, 1299-1311.	1.3	7
85	The Choice of General Anesthetics May Not Affect Neuroinflammation and Impairment of Learning and Memory After Surgery in Elderly Rats. Journal of NeuroImmune Pharmacology, 2015, 10, 179-189.	2.1	59
86	Defining the Optimal Age for Focal Lesioning in a Rat Model ofÂTranscranial HIFU. Ultrasound in Medicine and Biology, 2015, 41, 449-455.	0.7	11
87	Trans-sodium crocetinate provides neuroprotection against cerebral ischemia and reperfusion in obese mice. Journal of Neuroscience Research, 2015, 93, 615-622.	1.3	10
88	Gabapentin inhibits the activity of the rat excitatory glutamate transporter 3 expressed in Xenopus oocytes. European Journal of Pharmacology, 2015, 762, 112-117.	1.7	9
89	Desflurane increased the activity of excitatory amino-acid carrier 1 (EAAC1) expressed in Xenopus oocytes. European Journal of Pharmacology, 2015, 757, 84-89.	1.7	2
90	Autoregulation of Inducible Nitric Oxide Synthase Expression by RNA Interference Provides Neuroprotection in Neonatal Rats. Theranostics, 2015, 5, 504-514.	4.6	16

#	Article	IF	Citations
91	Chronic high fat diet induces cardiac hypertrophy and fibrosis in mice. Metabolism: Clinical and Experimental, 2015, 64, 917-925.	1.5	76
92	Loss of Phenotype of Parvalbumin Interneurons in Rat Prefrontal Cortex Is Involved in Antidepressant- and Propsychotic-Like Behaviors Following Acute and Repeated Ketamine Administration. Molecular Neurobiology, 2015, 51, 808-819.	1.9	54
93	Doxepin and imipramine but not fluoxetine reduce the activity of the rat glutamate transporter EAAT3 expressed in Xenopus oocytes. BMC Anesthesiology, 2015, 15, 116.	0.7	4
94	Admission hyperglycemia is associated with poor outcome after emergent coronary bypass grafting surgery. Journal of Critical Care, 2015, 30, 1210-1216.	1.0	13
95	Rotational thromboelastometryâ€“guided blood product management in major spine surgery. Journal of Neurosurgery: Spine, 2015, 23, 239-249.	0.9	84
96	Isoflurane Post-Treatment Improves Outcome after an Embolic Stroke in Rabbits. PLoS ONE, 2015, 10, e0143931.	1.1	9
97	Delta Opioid Receptor in Cerebral Preconditioning. , 2015, , 437-446.		0
98	Dexmedetomidine Reduces Isoflurane-Induced Neuroapoptosis Partly by Preserving PI3K/Akt Pathway in the Hippocampus of Neonatal Rats. PLoS ONE, 2014, 9, e93639.	1.1	119
99	High-fat diet reduces neuroprotection of isoflurane post-treatment: Role of carboxyl-terminal modulator protein-Akt signaling. Obesity, 2014, 22, 2396-2405.	1.5	9
100	Regulatory factor X1 is a new tumor suppressive transcription factor that acts via direct downregulation of CD44 in glioblastoma. Neuro-Oncology, 2014, 16, 1078-1085.	0.6	28
101	Effects of tissue plasminogen activator timing on bloodâ€“brain barrier permeability and hemorrhagic transformation in rats with transient ischemic stroke. Journal of the Neurological Sciences, 2014, 347, 148-154.	0.3	20
102	Independent Influence of Overweight and Obesity on the Regression of Left Ventricular Hypertrophy in Hypertensive Patients. Medicine (United States), 2014, 93, e130.	0.4	14
103	Critical role of matrix metalloprotease-9 in chronic high fat diet-induced cerebral vascular remodelling and increase of ischaemic brain injury in mice. Cardiovascular Research, 2014, 103, 473-484.	1.8	55
104	A Double-Edged Sword: Volatile Anesthetic Effects on the Neonatal Brain. Brain Sciences, 2014, 4, 273-294.	1.1	31
105	A critical role of glutamate transporter type 3 in the learning and memory of mice. Neurobiology of Learning and Memory, 2014, 114, 70-80.	1.0	13
106	Glutamate transporter type 3 regulates mouse hippocampal GluR1 trafficking. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1640-1645.	1.1	7
107	Increased requirement for minute ventilation and negative arterial to end-tidal carbon dioxide gradient may indicate malignant hyperthermia. Journal of the Chinese Medical Association, 2014, 77, 209-212.	0.6	7
108	Ondansetron attenuates the activity of excitatory amino acid transporter type 3 expressed in Xenopus oocytes. European Journal of Pharmacology, 2014, 733, 7-12.	1.7	4

#	Article	IF	Citations
109	Pyrrolidine dithiocarbamate attenuates surgery-induced neuroinflammation and cognitive dysfunction possibly via inhibition of nuclear factor Î²B. Neuroscience, 2014, 261, 1-10.	1.1	65
110	Sevoflurane postconditioning provides neuroprotection against brain hypoxiaâ€“ischemia in neonatal rats. Neurological Sciences, 2014, 35, 1401-1404.	0.9	26
111	Both JNK and P38 MAPK pathways participate in the protection by dexmedetomidine against isoflurane-induced neuroapoptosis in the hippocampus of neonatal rats. Brain Research Bulletin, 2014, 107, 69-78.	1.4	72
112	Perioperative aspirin improves neurological outcome after focal brain ischemia possibly via inhibition of Notch 1 in rat. Journal of Neuroinflammation, 2014, 11, 56.	3.1	20
113	Critical role of inflammatory cytokines in impairing biochemical processes for learning and memory after surgery in rats. Journal of Neuroinflammation, 2014, 11, 93.	3.1	47
114	Isoflurane postconditioning improved long-term neurological outcome possibly via inhibiting the mitochondrial permeability transition pore in neonatal rats after brain hypoxiaâ€“ischemia. Neuroscience, 2014, 280, 193-203.	1.1	30
115	Transferred inter-cell ischemic preconditioning-induced neuroprotection may be mediated by adenosine A1 receptors. Brain Research Bulletin, 2014, 103, 66-71.	1.4	11
116	Nicotine decreases the activity of glutamate transporter type 3. Toxicology Letters, 2014, 225, 147-152.	0.4	18
117	Isoflurane unveils a critical role of glutamate transporter type 3 in regulating hippocampal GluR1 trafficking and context-related learning and memory in mice. Neuroscience, 2014, 272, 58-64.	1.1	11
118	Dexmedetomidine increases the activity of excitatory amino acid transporter type 3 expressed in Xenopus oocytes: The involvement of protein kinase C and phosphatidylinositol 3-kinase. European Journal of Pharmacology, 2014, 738, 8-13.	1.7	8
119	Case Scenario: A Patient on Dual Antiplatelet Therapy with an Intracranial Hemorrhage after Percutaneous Coronary Intervention. Anesthesiology, 2014, 121, 644-653.	1.3	4
120	Amantadine Alleviates Postoperative Cognitive Dysfunction Possibly by Increasing Glial Cell Line-derived Neurotrophic Factor in Rats. Anesthesiology, 2014, 121, 773-785.	1.3	67
121	Inhibition of Brain Ischemia-Caused Notch Activation in Microglia May Contribute to Isoflurane Postconditioning-Induced Neuroprotection in Male Rats. CNS and Neurological Disorders - Drug Targets, 2014, 13, 718-732.	0.8	17
122	Riluzole attenuates excitatory amino acid transporter type 3 activity in Xenopus oocytes via protein kinase C inhibition. European Journal of Pharmacology, 2013, 713, 39-43.	1.7	8
123	Glutamate transporter type 3 knockout leads to decreased heart rate possibly via parasympathetic mechanism. Transgenic Research, 2013, 22, 757-766.	1.3	5
124	Isoflurane postconditioning reduces ischemia-induced nuclear factor-Î²B activation and interleukin 1Î² production to provide neuroprotection in rats and mice. Neurobiology of Disease, 2013, 54, 216-224.	2.1	79
125	Volatile anesthetics-induced neuroinflammatory and anti-inflammatory responses. Medical Gas Research, 2013, 3, 16.	1.2	25
126	Intranasal pyrrolidine dithiocarbamate decreases brain inflammatory mediators and provides neuroprotection after brain hypoxiaâ€“ischemia in neonatal rats. Experimental Neurology, 2013, 249, 74-82.	2.0	23

#	Article	IF	Citations
127	Electroacupuncture preconditioning-induced neuroprotection may be mediated by glutamate transporter type 2. Neurochemistry International, 2013, 63, 302-308.	1.9	22
128	Glutamate transporter type 3 mediates isoflurane preconditioning-induced acute phase of neuroprotection in mice. Brain Research Bulletin, 2013, 98, 23-29.	1.4	10
129	Progesterone increases the activity of glutamate transporter type 3 expressed in Xenopus oocytes. European Journal of Pharmacology, 2013, 715, 414-419.	1.7	1
130	Mechanisms of epoxyeicosatrienoic acids to improve cardiac remodeling in chronic renal failure disease. European Journal of Pharmacology, 2013, 701, 33-39.	1.7	10
131	The diagnostic threshold of HbA1c and impact of its use on diabetes prevalenceâ€"A population-based survey of 6898 Han participants from southern China. Preventive Medicine, 2013, 57, 345-350.	1.6	10
132	Caffeine-induced inhibition of the activity of glutamate transporter type 3 expressed in Xenopus oocytes. Toxicology Letters, 2013, 217, 143-148.	0.4	14
133	Influence of Chronic Hyperglycemia on Cerebral Microvascular Remodeling. Stroke, 2013, 44, 3557-3560.	1.0	20
134	Postoperative Cognitive Effects in Newborns. Anesthesiology, 2013, 118, 481-483.	1.3	6
135	Chronic Intermittent Fasting Improves Cognitive Functions and Brain Structures in Mice. PLoS ONE, 2013, 8, e66069.	1.1	98
136	Medical Gases for Conditioning: Volatile Anesthetics, Hyperbaric Oxygen, and Hydrogen Sulfide. , 2013, , 165-181.		0
137	Regulatory Factor X1-induced Down-regulation of Transforming Growth Factor Î²2 Transcription in Human Neuroblastoma Cells. Journal of Biological Chemistry, 2012, 287, 22730-22739.	1.6	25
138	Delayed Treatment with Lidocaine Reduces Mouse Microglial Cell Injury and Cytokine Production After Stimulation with Lipopolysaccharide and Interferon Î³. Anesthesia and Analgesia, 2012, 114, 856-861.	1.1	20
139	Effects of isoflurane on learning and memory functions of wild-type and glutamate transporter type 3 knockout miceâ€. Journal of Pharmacy and Pharmacology, 2012, 64, 302-307.	1.2	20
140	N-acetylcysteine reverses existing cognitive impairment and increased oxidative stress in glutamate transporter type 3 deficient mice. Neuroscience, 2012, 220, 85-89.	1.1	44
141	Lidocaine attenuates cognitive impairment after isoflurane anesthesia in old rats. Behavioural Brain Research, 2012, 228, 319-327.	1.2	78
142	Contribution of microRNA-203 to the isoflurane preconditioning-induced neuroprotection. Brain Research Bulletin, 2012, 88, 525-528.	1.4	41
143	Electroacupuncture pretreatment induces tolerance against focal cerebral ischemia through activation of canonical Notch pathway. BMC Neuroscience, 2012, 13, 111.	0.8	23
144	Are volatile anesthetics neuroprotective or neurotoxic?. Medical Gas Research, 2012, 2, 10.	1.2	45

#	Article	IF	Citations
145	Isoflurane Induces Learning Impairment That Is Mediated by Interleukin 1Î² in Rodents. PLoS ONE, 2012, 7, e51431.	1.1	102
146	A Novel Mechanism for Sevoflurane Preconditioning-induced Neuroprotection. Anesthesiology, 2012, 117, 942-944.	1.3	5
147	Sevoflurane-induced delayed neuroprotection involves mitoKATP channel opening and PKC Îµ activation. Molecular Biology Reports, 2012, 39, 5049-5057.	1.0	23
148	17Î²-Estradiol attenuates the activity of the glutamate transporter type 3 expressed in Xenopus oocytes. European Journal of Pharmacology, 2012, 676, 20-25.	1.7	9
149	Pyrrolidine dithiocarbamate attenuates brain AÎ² increase and improves long-term neurological outcome in rats after transient focal brain ischemia. Neurobiology of Disease, 2012, 45, 564-572.	2.1	16
150	Metformin attenuates Alzheimer's disease-like neuropathology in obese, leptin-resistant mice. Pharmacology Biochemistry and Behavior, 2012, 101, 564-574.	1.3	223
151	Isoflurane preconditioning reduces oxygenâ€“glucose deprivation-induced neuronal injury via B-cell lymphoma 2 protein. Environmental Toxicology and Pharmacology, 2011, 31, 262-265.	2.0	17
152	Decreased intralymphocytic magnesium content is associated with diastolic heart dysfunction in patients with essential hypertension. International Journal of Cardiology, 2011, 147, 331-334.	0.8	5
153	Isoflurane induces hippocampal cell injury and cognitive impairments in adult rats. Neuropharmacology, 2011, 61, 1354-1359.	2.0	160
154	Volatile anesthetic post-treatment induces protection via inhibition of glycogen synthase kinase 3Î² in human neuron-like cells. Neuroscience, 2011, 179, 73-79.	1.1	44
155	Isoflurane postconditioning induces neuroprotection via Akt activation and attenuation of increased mitochondrial membrane permeability. Neuroscience, 2011, 199, 44-50.	1.1	48
156	Glutamate Transporter Type 3 Knockout Reduces Brain Tolerance to Focal Brain Ischemia in MICE. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1283-1292.	2.4	45
157	Inhibition of isoflurane-induced increase of cell-surface redistribution and activity of glutamate transporter type 3 by serine 465 sequence-specific peptides. European Journal of Pharmacology, 2011, 655, 16-22.	1.7	5
158	RNA interferenceâ€produced autoregulation of inducible nitric oxide synthase expression. FEBS Letters, 2011, 585, 2488-2492.	1.3	6
159	Volatile Anesthetics May Not Induce Significant Toxicity to Human Neuron-Like Cells. Anesthesia and Analgesia, 2011, 112, 1194-1198.	1.1	24
160	The effects of chronic pulmonary disease on hospital length of stay and cost of hospitalization after neurosurgery. Journal of Neurosurgery, 2011, 115, 375-379.	0.9	5
161	Expression of the transcription factor regulatory factor X1 in the mouse brain. Folia Histochemica Et Cytobiologica, 2011, 49, 344-351.	0.6	11
162	Molecular Mechanism of Cross-organ Reflex Sensitization. Anesthesiology, 2011, 114, 14-15.	1.3	0

#	Article	IF	Citations
163	Hyperglycemia Inhibits Anesthetic-induced Postconditioning in the Rabbit Heart via Modulation of Phosphatidylinositol-3-kinase/Akt and Endothelial Nitric Oxide Synthase Signaling. Journal of Cardiovascular Pharmacology, 2010, 55, 348-357.	0.8	47
164	Ultrasound Does Not Improve the Success Rate of a Deep Peroneal Nerve Block at the Ankle. Regional Anesthesia and Pain Medicine, 2010, 35, 217-221.	1.1	42
165	Statin post-treatment provides protection against simulated ischemia in bovine pulmonary arterial endothelial cells. European Journal of Pharmacology, 2010, 636, 114-120.	1.7	15
166	Isoflurane preconditioning and postconditioning in rat hippocampal neurons. Brain Research, 2010, 1358, 184-190.	1.1	49
167	Spine Surgery under General Anesthesia May Not Increase the Risk of Alzheimerâ€™s Disease. Dementia and Geriatric Cognitive Disorders, 2010, 29, 233-239.	0.7	31
168	Involvement of mitochondrial ATP-sensitive potassium channels in etomidate preconditioning-induced protection in human myeloid HL-60 cells. Environmental Toxicology and Pharmacology, 2010, 29, 320-322.	2.0	3
169	Morphine preconditioning reduces lipopolysaccharide and interferon-Î³-induced mouse microglial cell injury via Î´1 opioid receptor activation. Neuroscience, 2010, 167, 256-260.	1.1	23
170	Glutamate transporter type 3 knockout mice have a decreased isoflurane requirement to induce loss of righting reflex. Neuroscience, 2010, 171, 788-793.	1.1	19
171	Corticosterone decreases the activity of rat glutamate transporter type 3 expressed in Xenopus oocytes. Steroids, 2010, 75, 1113-1118.	0.8	8
172	Isoflurane preconditioning increases endothelial cell tolerance to in-vitro simulated ischaemia. Journal of Pharmacy and Pharmacology, 2010, 63, 106-110.	1.2	15
173	Consensus Statement: First International Workshop on Anesthetics and Alzheimerâ€™s Disease. Anesthesia and Analgesia, 2009, 108, 1627-1630.	1.1	112
174	Critical Role of S465 in Protein Kinase C-Increased Rat Glutamate Transporter Type 3 Activity. International Journal of Neuroscience, 2009, 119, 1419-1428.	0.8	4
175	Alphaxalone, a neurosteroid anaesthetic, increases the activity of the glutamate transporter type 3 expressed in Xenopus oocytes. European Journal of Pharmacology, 2009, 602, 23-27.	1.7	6
176	Angiotensin II increases collagen I expression via transforming growth factor-beta1 and extracellular signal-regulated kinase in cardiac fibroblasts. European Journal of Pharmacology, 2009, 606, 115-120.	1.7	93
177	Isoflurane induces a postconditioning effect on bovine pulmonary arterial endothelial cells exposed to oxygenâ€“glucose deprivation. European Journal of Pharmacology, 2009, 615, 144-149.	1.7	15
178	Knockout of the regulatory factor X1 gene leads to early embryonic lethality. Biochemical and Biophysical Research Communications, 2009, 386, 715-717.	1.0	20
179	Isoflurane preconditioning improves short-term and long-term neurological outcome after focal brain ischemia in adult rats. Neuroscience, 2009, 164, 497-506.	1.1	78
180	Bilateral Tension Pneumothorax and Tension Pneumoperitoneum Secondary to Tracheal Tear in a Patient With Relapsing Polychondritis. Journal of the Chinese Medical Association, 2009, 72, 488-491.	0.6	9

#	Article	IF	Citations
181	Volatile Anesthetics Attenuate Oxidative Stress-Reduced Activity of Glutamate Transporter Type 3. Anesthesia and Analgesia, 2009, 109, 1506-1510.	1.1	19
182	Strict Glucose Control Does Not Affect Mortality after Aneurysmal Subarachnoid Hemorrhage. Anesthesiology, 2009, 110, 603-610.	1.3	43
183	Delayed Treatment with Isoflurane Attenuates Lipopolysaccharide and Interferon Î³â€“induced Activation and Injury of Mouse Microglial Cells. Anesthesiology, 2009, 111, 566-573.	1.3	24
184	Amitriptyline inhibits the activity of the rat glutamate transporter EAAT3 expressed in <I>Xenopus</I> oocytes. Journal of Pharmacy and Pharmacology, 2009, 61, 577-581.	1.2	4
185	Efficacy of different doses of aspirin in decreasing blood levels of inflammatory markers in patients with cardiovascular metabolic syndrome. Journal of Pharmacy and Pharmacology, 2009, 61, 1505-1510.	1.2	29
186	Ethanol Increases the Activity of Rat Excitatory Amino Acid Transporter Type 4 Expressed in Xenopus Oocytes: Role of Protein Kinase C and Phosphatidylinositol 3â€Kinase. Alcoholism: Clinical and Experimental Research, 2008, 32, 348-354.	1.4	9
187	Inhibition of the Activity of Excitatory Amino Acid Transporter 4 Expressed in Xenopus Oocytes After Chronic Exposure to Ethanol. Alcoholism: Clinical and Experimental Research, 2008, 32, 1292-1298.	1.4	2
188	Inability of volatile anesthetics to inhibit oxygenâ€“glucose deprivation-induced glutamate release via glutamate transporters and anion channels in rat corticostriatal slices. Brain Research, 2008, 1227, 234-239.	1.1	10
189	Isoflurane preconditioning increases B-cell lymphoma-2 expression and reduces cytochrome c release from the mitochondria in the ischemic penumbra of rat brain. European Journal of Pharmacology, 2008, 586, 106-113.	1.7	67
190	Fluvastatin decreases cardiac fibrosis possibly through regulation of TGF-Î²1/Smad 7 expression in the spontaneously hypertensive rats. European Journal of Pharmacology, 2008, 587, 196-203.	1.7	38
191	Anesthetic-induced Neuroprotection: a Review. Advances in Anesthesia, 2008, 26, 201-212.	0.5	1
192	Isoflurane preconditioning reduces mouse microglial activation and injury induced by lipopolysaccharide and interferon-Î³. Neuroscience, 2008, 154, 1002-1008.	1.1	50
193	Isoflurane Preconditioning Decreases Myocardial Infarction in Rabbits viaÂ Up-regulation of Hypoxia Inducible Factor 1 That Is Mediated by Mammalian Target of Rapamycin. Anesthesiology, 2008, 108, 415-425.	1.3	54
194	Bacterial Colonization of Epidural Catheters Used for Short-term Postoperative Analgesia. Anesthesiology, 2008, 108, 130-137.	1.3	46
195	Isoflurane Preconditioning Reduces the Rat NR8383 Macrophage Injury Induced by Lipopolysaccharide and Interferon Î³. Anesthesiology, 2008, 108, 643-650.	1.3	32
196	Postconditioning with Isoflurane Reduced Ischemia-induced Brain Injury in Rats. Anesthesiology, 2008, 108, 1055-1062.	1.3	180
197	Respiratory Depression and Difficult Ventilation After Inadvertent Epidural Administration of Remifentanil. Anesthesia and Analgesia, 2007, 104, 1004.	1.1	11
198	Prior Work Using Meta-Analyses of Operative Times Between Regional and General Anesthesia. Anesthesia and Analgesia, 2007, 104, 459.	1.1	9

#	Article	IF	Citations
199	Spironolactone Reduced Arrhythmia and Maintained Magnesium Homeostasis in Patients With Congestive Heart Failure. Journal of Cardiac Failure, 2007, 13, 170-177.	0.7	84
200	Pretreatment with volatile anesthetics, but not with the nonimmobilizer 1,2-dichlorohexafluorocyclobutane, reduced cell injury in rat cerebellar slices after an in vitro simulated ischemia. Brain Research, 2007, 1152, 201-208.	1.1	35
201	Propofol reverses oxidative stress-attenuated glutamate transporter EAAT3 activity: Evidence of protein kinase C involvement. European Journal of Pharmacology, 2007, 565, 83-88.	1.7	13
202	Isoflurane Preconditioning Improves Long-term Neurologic Outcome after Hypoxicâ€“Ischemic Brain Injury in Neonatal Rats. Anesthesiology, 2007, 107, 963-970.	1.3	99
203	Allele-specific silencing of Alzheimer's disease genes. Gene, 2006, 371, 68-74.	1.0	27
204	Hypothermic preconditioning reduces Purkinje cell death possibly by preventing the over-expression of inducible nitric oxide synthase in rat cerebellar slices after an in vitro simulated ischemia. Neuroscience, 2006, 142, 381-389.	1.1	15
205	Airway Management in Patients With Pituitary Disease. Journal of Neurosurgical Anesthesiology, 2006, 18, 73-77.	0.6	60
206	Opioid Preconditioning Induces Opioid Receptor-Dependent Delayed Neuroprotection Against Ischemia in Rats. Journal of Neuropathology and Experimental Neurology, 2006, 65, 945-952.	0.9	82
207	Effects of intravenous anesthetics on the activity of glutamate transporter EAAT3 expressed in Xenopus oocytes: Evidence for protein kinase C involvement. European Journal of Pharmacology, 2006, 531, 133-139.	1.7	16
208	Isoflurane preconditioning protects human neuroblastoma SH-SY5Y cells against in vitro simulated ischemia-reperfusion through the activation of extracellular signal-regulated kinases pathway. European Journal of Pharmacology, 2006, 542, 84-91.	1.7	49
209	A Comparison of Neuraxial Block Versus General Anesthesia for Elective Total Hip Replacement: A Meta-Analysis. Anesthesia and Analgesia, 2006, 103, 1018-1025.	1.1	233
210	Critical Role of Serine 465 in Isoflurane-induced Increase of Cell-surface Redistribution and Activity of Glutamate Transporter Type 3. Journal of Biological Chemistry, 2006, 281, 38133-38138.	1.6	37
211	Inhibition of glutamate transporters increases the minimum alveolar concentration for isoflurane in rats. British Journal of Anaesthesia, 2006, 97, 192-195.	1.5	16
212	Enhancement of substrate-gated Clâ¯ currents via rat glutamate transporter EAAT4 by PMA. American Journal of Physiology - Cell Physiology, 2006, 290, C1334-C1340.	2.1	19
213	Volatile Anesthetic Preconditioning Attenuates Myocardial Apoptosis in Rabbits after Regional Ischemia and Reperfusion via Akt Signaling and Modulation of Bcl-2 Family Proteins. Journal of Pharmacology and Experimental Therapeutics, 2006, 318, 186-194.	1.3	70
214	The Transcription Factor Regulatory Factor X1 Increases the Expression of Neuronal Glutamate Transporter Type 3. Journal of Biological Chemistry, 2006, 281, 21250-21255.	1.6	58
215	The Role of Opioid Receptor Internalization and ??-Arrestins in the Development of Opioid Tolerance. Anesthesia and Analgesia, 2005, 101, 728-734.	1.1	88
216	Carbamazepine enhances the activity of glutamate transporter type 3 via phosphatidylinositol 3-kinase. Epilepsy Research, 2005, 66, 145-153.	0.8	24

#	Article	IF	Citations
217	Effects of isoflurane on oxygen-glucose deprivation-induced changes of gene expression profiling in glial-neuronal cocultures. Acta Anaesthesiologica Scandinavica, 2005, 49, 1544-1551.	0.7	10
218	Effects of Chronic Exposure to Ethanol on Glutamate Transporter EAAT3 Expressed in Xenopus Oocytes: Evidence for Protein Kinase C Involvement. Alcoholism: Clinical and Experimental Research, 2005, 29, 2046-2052.	1.4	27
219	Isoflurane preconditioning decreases glutamate receptor overactivation-induced Purkinje neuronal injury in rat cerebellar slices. Brain Research, 2005, 1054, 143-151.	1.1	37
220	Opioids: Old Drugs for Potential New Applications. Current Pharmaceutical Design, 2005, 11, 1343-1350.	0.9	56
221	Predictors of diabetes insipidus after transsphenoidal surgery: a review of 881 patients. Journal of Neurosurgery, 2005, 103, 448-454.	0.9	227
222	Glutamate transporter type 3 attenuates the activation of N-methy-D-aspartate receptors co-expressed in Xenopus oocytes. Journal of Experimental Biology, 2005, 208, 2063-2070.	0.8	11
223	Isoflurane Induces a Protein Kinase C Î±-Dependent Increase in Cell-Surface Protein Level and Activity of Glutamate Transporter Type 3. Molecular Pharmacology, 2005, 67, 1522-1533.	1.0	55
224	Prenatal hypoxia-induced adaptation and neuroprotection that is inducible nitric oxide synthase-dependent. Neurobiology of Disease, 2005, 20, 871-880.	2.1	24
225	A paraspinal abscess following spinal anaesthesia for caesarean section and patient-controlled epidural analgesia for postoperative pain. International Journal of Obstetric Anesthesia, 2005, 14, 252-255.	0.2	9
226	Isoflurane Preconditioning Induces Neuroprotection against Ischemia via Activation of P38 Mitogen-Activated Protein Kinases. Molecular Pharmacology, 2004, 65, 1172-1180.	1.0	187
227	Hypothermic Preconditioning Increases Survival of Purkinje Neurons in Rat Cerebellar Slices after an In VitroÂ Simulated Ischemia. Anesthesiology, 2004, 100, 331-337.	1.3	73
228	Morphine Preconditions Purkinje Cells against Cell Death under In VitroÂ Simulated Ischemiaâ€“Reperfusion Conditions. Anesthesiology, 2004, 100, 562-568.	1.3	122
229	A Word on Hypothermic Preconditioning. Anesthesiology, 2004, 101, 1043-1044.	1.3	0
230	Isoflurane Preconditioning Induces Neuroprotection That Is Inducible Nitric Oxide Synthaseâ€“dependent in Neonatal Rats. Anesthesiology, 2004, 101, 695-703.	1.3	134
231	Effects of Ethanol on the Rat Glutamate Excitatory Amino Acid Transporter Type 3 Expressed in Xenopus Oocytes: Role of Protein Kinase C and Phosphatidylinositol 3-Kinase. Alcoholism: Clinical and Experimental Research, 2003, 27, 1548-1553.	1.4	26
232	Effects of propofol on the activity of rat glutamate transporter type 3 expressed in Xenopus oocytes: the role of protein kinase C. Neuroscience Letters, 2003, 343, 113-116.	1.0	25
233	Isoflurane preconditioning reduces purkinje cell death in an in vitro model of rat cerebellar ischemia. Neuroscience, 2003, 118, 99-106.	1.1	101
234	Effects of local and intravenous anesthetics on the activity of glutamate transporter type 2. Brain Research Bulletin, 2003, 61, 537-540.	1.4	5

#	Article	IF	Citations
235	Isoflurane Enhances the Expression and Activity of Glutamate Transporter Type 3 in C6 Glioma Cells. Anesthesiology, 2003, 99, 1346-1353.	1.3	23
236	The Effects of Lidocaine on the Activity of Glutamate Transporter EAAT3: The Role of Protein Kinase C and Phosphatidylinositol 3-Kinase. Anesthesia and Analgesia, 2002, 95, 1263-1268.	1.1	45
237	Effects of Volatile Anesthetics on Glutamate Transporter, Excitatory Amino Acid Transporter Type 3. Anesthesiology, 2002, 96, 1492-1497.	1.3	55
238	The different responses of rat glutamate transporter type 2 and its mutant (tyrosine 403 to histidine) activity to volatile anesthetics and activation of protein kinase C. Brain Research, 2002, 953, 255-264.	1.1	29
239	Isoflurane decreases AMPA-induced dark cell degeneration and edematous damage of Purkinje neurons in the rat cerebellar slices. Brain Research, 2002, 958, 399-404.	1.1	15
240	Isoflurane enhances glutamate uptake via glutamate transporters in rat glial cells. NeuroReport, 2001, 12, 1077-1080.	0.6	34
241	Inhibition of excitatory neurotransmitterâ€“nitric oxide signaling pathway by inhalational anesthetics. Neuroscience, 1999, 93, 1167-1172.	1.1	26
242	Inhalational Anesthetics Up-Regulate Constitutive and Lipopolysaccharide-Induced Inducible Nitric Oxide Synthase Expression and Activity. Molecular Pharmacology, 1997, 52, 606-612.	1.0	35
243	Halothane and Isoflurane Inhibit Vasodilation Due to Constitutive but Not Inducible Nitric Oxide Synthase. Anesthesiology, 1996, 84, 1156-1165.	1.3	34
244	Halothane and isoflurane dose-dependently inhibit the cyclic GMP increase caused by N-methyl-?-aspartate in rat cerebellum: novel localization and quantitation by in vitro autoradiography. Neuroscience, 1996, 74, 1069-1075.	1.1	11
245	Halothane, Enflurane, and Isoflurane Do Not Affect the Basal or Agonist-stimulated Activity of Partially Isolated Soluble and Particulate Guanylyl Cyclases of Rat Brain. Anesthesiology, 1995, 83, 395-404..	1.3	36
246	Postoperative Learning and Memory Dysfunction Is More Severe in Males But Is Not Persistent and Transmittable to Next Generation in Young Adult Rats. Journal of Neurosurgical Anesthesiology, 0, Publish Ahead of Print, .	0.6	3