

Zhiyi Zuo

List of Publications by Year in descending order

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246

papers

8,216

citations

41344

49

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74163

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docs citations

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times ranked

8126

citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparison of Neuraxial Block Versus General Anesthesia for Elective Total Hip Replacement: A Meta-Analysis. <i>Anesthesia and Analgesia</i> , 2006, 103, 1018-1025.	2.2	233
2	Predictors of diabetes insipidus after transsphenoidal surgery: a review of 881 patients. <i>Journal of Neurosurgery</i> , 2005, 103, 448-454.	1.6	227
3	Metformin attenuates Alzheimer's disease-like neuropathology in obese, leptin-resistant mice. <i>Pharmacology Biochemistry and Behavior</i> , 2012, 101, 564-574.	2.9	223
4	Isoflurane Preconditioning Induces Neuroprotection against Ischemia via Activation of P38 Mitogen-Activated Protein Kinases. <i>Molecular Pharmacology</i> , 2004, 65, 1172-1180.	2.3	187
5	Postconditioning with Isoflurane Reduced Ischemia-induced Brain Injury in Rats. <i>Anesthesiology</i> , 2008, 108, 1055-1062.	2.5	180
6	Isoflurane induces hippocampal cell injury and cognitive impairments in adult rats. <i>Neuropharmacology</i> , 2011, 61, 1354-1359.	4.1	160
7	Critical role of NLRP3-caspase-1 pathway in age-dependent isoflurane-induced microglial inflammatory response and cognitive impairment. <i>Journal of Neuroinflammation</i> , 2018, 15, 109.	7.2	141
8	Isoflurane Preconditioning Induces Neuroprotection That Is Inducible Nitric Oxide Synthase-dependent in Neonatal Rats. <i>Anesthesiology</i> , 2004, 101, 695-703.	2.5	134
9	Functional and oxygen-metabolic photoacoustic microscopy of the awake mouse brain. <i>NeuroImage</i> , 2017, 150, 77-87.	4.2	129
10	Morphine Preconditions Purkinje Cells against Cell Death under In Vitro Simulated Ischemia-Reperfusion Conditions. <i>Anesthesiology</i> , 2004, 100, 562-568.	2.5	122
11	Dexmedetomidine Reduces Isoflurane-Induced Neuroapoptosis Partly by Preserving PI3K/Akt Pathway in the Hippocampus of Neonatal Rats. <i>PLoS ONE</i> , 2014, 9, e93639.	2.5	119
12	Consensus Statement: First International Workshop on Anesthetics and Alzheimer's Disease. <i>Anesthesia and Analgesia</i> , 2009, 108, 1627-1630.	2.2	112
13	Perioperative Neurocognitive Disorder. <i>Anesthesiology</i> , 2020, 132, 55-68.	2.5	106
14	Isoflurane Induces Learning Impairment That Is Mediated by Interleukin 1 β in Rodents. <i>PLoS ONE</i> , 2012, 7, e51431.	2.5	102
15	Isoflurane preconditioning reduces purkinje cell death in an in vitro model of rat cerebellar ischemia. <i>Neuroscience</i> , 2003, 118, 99-106.	2.3	101
16	Enriched Environment Attenuates Surgery-Induced Impairment of Learning, Memory, and Neurogenesis Possibly by Preserving BDNF Expression. <i>Molecular Neurobiology</i> , 2016, 53, 344-354.	4.0	100
17	Isoflurane Preconditioning Improves Long-term Neurologic Outcome after Hypoxic-Ischemic Brain Injury in Neonatal Rats. <i>Anesthesiology</i> , 2007, 107, 963-970.	2.5	99
18	Chronic Intermittent Fasting Improves Cognitive Functions and Brain Structures in Mice. <i>PLoS ONE</i> , 2013, 8, e66069.	2.5	98

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19	Angiotensin II increases collagen I expression via transforming growth factor-beta1 and extracellular signal-regulated kinase in cardiac fibroblasts. <i>European Journal of Pharmacology</i> , 2009, 606, 115-120.	3.5	93
20	The Role of Opioid Receptor Internalization and γ -Arrestins in the Development of Opioid Tolerance. <i>Anesthesia and Analgesia</i> , 2005, 101, 728-734.	2.2	88
21	Gut Microbiome Features of Chinese Patients Newly Diagnosed with Alzheimer's Disease or Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 299-310.	2.6	86
22	Spironolactone Reduced Arrhythmia and Maintained Magnesium Homeostasis in Patients With Congestive Heart Failure. <i>Journal of Cardiac Failure</i> , 2007, 13, 170-177.	1.7	84
23	Rotational thromboelastometry—guided blood product management in major spine surgery. <i>Journal of Neurosurgery: Spine</i> , 2015, 23, 239-249.	1.7	84
24	Dexmedetomidine attenuates sepsis-associated inflammation and encephalopathy via central α_2 A adrenoceptor. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 296-314.	4.1	84
25	Opioid Preconditioning Induces Opioid Receptor-Dependent Delayed Neuroprotection Against Ischemia in Rats. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006, 65, 945-952.	1.7	82
26	Isoflurane postconditioning reduces ischemia-induced nuclear factor- κ B activation and interleukin 1β production to provide neuroprotection in rats and mice. <i>Neurobiology of Disease</i> , 2013, 54, 216-224.	4.4	79
27	Isoflurane preconditioning improves short-term and long-term neurological outcome after focal brain ischemia in adult rats. <i>Neuroscience</i> , 2009, 164, 497-506.	2.3	78
28	Lidocaine attenuates cognitive impairment after isoflurane anesthesia in old rats. <i>Behavioural Brain Research</i> , 2012, 228, 319-327.	2.2	78
29	Chronic high fat diet induces cardiac hypertrophy and fibrosis in mice. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 917-925.	3.4	76
30	C-reactive protein can upregulate VEGF expression to promote ADSC-induced angiogenesis by activating HIF- 1α via CD64/PI3k/Akt and MAPK/ERK signaling pathways. <i>Stem Cell Research and Therapy</i> , 2016, 7, 114.	5.5	76
31	Bevacizumab Monotherapy Reduces Radiation-induced Brain Necrosis in Nasopharyngeal Carcinoma Patients: A Randomized Controlled Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 1087-1095.	0.8	76
32	Hypothermic Preconditioning Increases Survival of Purkinje Neurons in Rat Cerebellar Slices after an In Vitro Simulated Ischemia. <i>Anesthesiology</i> , 2004, 100, 331-337.	2.5	73
33	Both JNK and P38 MAPK pathways participate in the protection by dexmedetomidine against isoflurane-induced neuroapoptosis in the hippocampus of neonatal rats. <i>Brain Research Bulletin</i> , 2014, 107, 69-78.	3.0	72
34	Critical role of P2X7 receptors in the neuroinflammation and cognitive dysfunction after surgery. <i>Brain, Behavior, and Immunity</i> , 2017, 61, 365-374.	4.1	71
35	Volatile Anesthetic Preconditioning Attenuates Myocardial Apoptosis in Rabbits after Regional Ischemia and Reperfusion via Akt Signaling and Modulation of Bcl-2 Family Proteins. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 186-194.	2.5	70
36	Isoflurane preconditioning increases B-cell lymphoma-2 expression and reduces cytochrome c release from the mitochondria in the ischemic penumbra of rat brain. <i>European Journal of Pharmacology</i> , 2008, 586, 106-113.	3.5	67

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37	Amantadine Alleviates Postoperative Cognitive Dysfunction Possibly by Increasing Glial Cell Line-derived Neurotrophic Factor in Rats. <i>Anesthesiology</i> , 2014, 121, 773-785.	2.5	67
38	Pyrrolidine dithiocarbamate attenuates surgery-induced neuroinflammation and cognitive dysfunction possibly via inhibition of nuclear factor κ B. <i>Neuroscience</i> , 2014, 261, 1-10.	2.3	65
39	Appropriate exercise level attenuates gut dysbiosis and valeric acid increase to improve neuroplasticity and cognitive function after surgery in mice. <i>Molecular Psychiatry</i> , 2021, 26, 7167-7187.	7.9	63
40	Dexmedetomidine Postconditioning Reduces Brain Injury after Brain Hypoxia-Ischemia in Neonatal Rats. <i>Journal of NeuroImmune Pharmacology</i> , 2016, 11, 238-247.	4.1	62
41	Airway Management in Patients With Pituitary Disease. <i>Journal of Neurosurgical Anesthesiology</i> , 2006, 18, 73-77.	1.2	60
42	The Choice of General Anesthetics May Not Affect Neuroinflammation and Impairment of Learning and Memory After Surgery in Elderly Rats. <i>Journal of NeuroImmune Pharmacology</i> , 2015, 10, 179-189.	4.1	59
43	The Transcription Factor Regulatory Factor X1 Increases the Expression of Neuronal Glutamate Transporter Type 3. <i>Journal of Biological Chemistry</i> , 2006, 281, 21250-21255.	3.4	58
44	Opioids: Old Drugs for Potential New Applications. <i>Current Pharmaceutical Design</i> , 2005, 11, 1343-1350.	1.9	56
45	Effects of Volatile Anesthetics on Glutamate Transporter, Excitatory Amino Acid Transporter Type 3. <i>Anesthesiology</i> , 2002, 96, 1492-1497.	2.5	55
46	Isoflurane Induces a Protein Kinase C δ -Dependent Increase in Cell-Surface Protein Level and Activity of Glutamate Transporter Type 3. <i>Molecular Pharmacology</i> , 2005, 67, 1522-1533.	2.3	55
47	Critical role of matrix metalloprotease-9 in chronic high fat diet-induced cerebral vascular remodelling and increase of ischaemic brain injury in mice. <i>Cardiovascular Research</i> , 2014, 103, 473-484.	3.8	55
48	Isoflurane Preconditioning Decreases Myocardial Infarction in Rabbits via Up-regulation of Hypoxia Inducible Factor 1 That Is Mediated by Mammalian Target of Rapamycin. <i>Anesthesiology</i> , 2008, 108, 415-425.	2.5	54
49	Loss of Phenotype of Parvalbumin Interneurons in Rat Prefrontal Cortex Is Involved in Antidepressant- and Pro-psychotic-Like Behaviors Following Acute and Repeated Ketamine Administration. <i>Molecular Neurobiology</i> , 2015, 51, 808-819.	4.0	54
50	Neonatal exposure to sevoflurane may not cause learning and memory deficits and behavioral abnormality in the childhood of Cynomolgus monkeys. <i>Scientific Reports</i> , 2015, 5, 11145.	3.3	52
51	Dexmedetomidine post-treatment induces neuroprotection via activation of extracellular signal-regulated kinase in rats with subarachnoid haemorrhage. <i>British Journal of Anaesthesia</i> , 2016, 116, 384-392.	3.4	52
52	Isoflurane preconditioning reduces mouse microglial activation and injury induced by lipopolysaccharide and interferon- γ . <i>Neuroscience</i> , 2008, 154, 1002-1008.	2.3	50
53	Isoflurane preconditioning protects human neuroblastoma SH-SY5Y cells against in vitro simulated ischemia-reperfusion through the activation of extracellular signal-regulated kinases pathway. <i>European Journal of Pharmacology</i> , 2006, 542, 84-91.	3.5	49
54	Isoflurane preconditioning and postconditioning in rat hippocampal neurons. <i>Brain Research</i> , 2010, 1358, 184-190.	2.2	49

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55	Isoflurane postconditioning induces neuroprotection via Akt activation and attenuation of increased mitochondrial membrane permeability. <i>Neuroscience</i> , 2011, 199, 44-50.	2.3	48
56	Intravenous <i>versus</i> Volatile Anesthetic Effects on Postoperative Cognition in Elderly Patients Undergoing Laparoscopic Abdominal Surgery. <i>Anesthesiology</i> , 2021, 134, 381-394.	2.5	48
57	Hyperglycemia Inhibits Anesthetic-induced Postconditioning in the Rabbit Heart via Modulation of Phosphatidylinositol-3-kinase/Akt and Endothelial Nitric Oxide Synthase Signaling. <i>Journal of Cardiovascular Pharmacology</i> , 2010, 55, 348-357.	1.9	47
58	Critical role of inflammatory cytokines in impairing biochemical processes for learning and memory after surgery in rats. <i>Journal of Neuroinflammation</i> , 2014, 11, 93.	7.2	47
59	Bacterial Colonization of Epidural Catheters Used for Short-term Postoperative Analgesia. <i>Anesthesiology</i> , 2008, 108, 130-137.	2.5	46
60	The Effects of Lidocaine on the Activity of Glutamate Transporter EAAT3: The Role of Protein Kinase C and Phosphatidylinositol 3-Kinase. <i>Anesthesia and Analgesia</i> , 2002, 95, 1263-1268.	2.2	45
61	Glutamate Transporter Type 3 Knockout Reduces Brain Tolerance to Focal Brain Ischemia in MICE. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1283-1292.	4.3	45
62	Are volatile anesthetics neuroprotective or neurotoxic?. <i>Medical Gas Research</i> , 2012, 2, 10.	2.3	45
63	Endothelial cell Pannexin1 modulates severity of ischemic stroke by regulating cerebral inflammation and myogenic tone. <i>JCI Insight</i> , 2018, 3, .	5.0	45
64	Volatile anesthetic post-treatment induces protection via inhibition of glycogen synthase kinase 3 β in human neuron-like cells. <i>Neuroscience</i> , 2011, 179, 73-79.	2.3	44
65	N-acetylcysteine reverses existing cognitive impairment and increased oxidative stress in glutamate transporter type 3 deficient mice. <i>Neuroscience</i> , 2012, 220, 85-89.	2.3	44
66	Strict Glucose Control Does Not Affect Mortality after Aneurysmal Subarachnoid Hemorrhage. <i>Anesthesiology</i> , 2009, 110, 603-610.	2.5	43
67	Ultrasound Does Not Improve the Success Rate of a Deep Peroneal Nerve Block at the Ankle. <i>Regional Anesthesia and Pain Medicine</i> , 2010, 35, 217-221.	2.3	42
68	Contribution of microRNA-203 to the isoflurane preconditioning-induced neuroprotection. <i>Brain Research Bulletin</i> , 2012, 88, 525-528.	3.0	41
69	Fluvastatin decreases cardiac fibrosis possibly through regulation of TGF- β 1/Smad 7 expression in the spontaneously hypertensive rats. <i>European Journal of Pharmacology</i> , 2008, 587, 196-203.	3.5	38
70	Isoflurane preconditioning decreases glutamate receptor overactivation-induced Purkinje neuronal injury in rat cerebellar slices. <i>Brain Research</i> , 2005, 1054, 143-151.	2.2	37
71	Critical Role of Serine 465 in Isoflurane-induced Increase of Cell-surface Redistribution and Activity of Glutamate Transporter Type 3. <i>Journal of Biological Chemistry</i> , 2006, 281, 38133-38138.	3.4	37
72	Critical role of matrix metalloproteinase 9 in postoperative cognitive dysfunction and age-dependent cognitive decline. <i>Oncotarget</i> , 2017, 8, 51817-51829.	1.8	37

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73	Halothane, Enflurane, and Isoflurane Do Not Affect the Basal or Agonist-stimulated Activity of Partially Isolated Soluble and Particulate Guanylyl Cyclases of Rat Brain. <i>Anesthesiology</i> , 1995, 83, 395-404..	2.5	36
74	Inhalational Anesthetics Up-Regulate Constitutive and Lipopolysaccharide-Induced Inducible Nitric Oxide Synthase Expression and Activity. <i>Molecular Pharmacology</i> , 1997, 52, 606-612.	2.3	35
75	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. <i>Brain Research</i> , 2007, 1152, 201-208.	2.2	35
76	Decrease of glial cell-derived neurotrophic factor contributes to anesthesia- and surgery-induced learning and memory dysfunction in neonatal rats. <i>Journal of Molecular Medicine</i> , 2017, 95, 369-379.	3.9	35
77	Critical role of UQCRC1 in embryo survival, brain ischemic tolerance and normal cognition in mice. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1381-1396.	5.4	35
78	Halothane and Isoflurane Inhibit Vasodilation Due to Constitutive but Not Inducible Nitric Oxide Synthase. <i>Anesthesiology</i> , 1996, 84, 1156-1165.	2.5	34
79	Isoflurane enhances glutamate uptake via glutamate transporters in rat glial cells. <i>NeuroReport</i> , 2001, 12, 1077-1080.	1.2	34
80	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. <i>BMJ Open</i> , 2017, 7, e014629.	1.9	34
81	Photoacoustic microscopy reveals the hemodynamic basis of sphingosine 1-phosphate-induced neuroprotection against ischemic stroke. <i>Theranostics</i> , 2018, 8, 6111-6120.	10.0	34
82	Deferoxamine pre-treatment protects against postoperative cognitive dysfunction of aged rats by depressing microglial activation via ameliorating iron accumulation in hippocampus. <i>Neuropharmacology</i> , 2016, 111, 180-194.	4.1	33
83	Isoflurane Preconditioning Reduces the Rat NR8383 Macrophage Injury Induced by Lipopolysaccharide and Interferon β . <i>Anesthesiology</i> , 2008, 108, 643-650.	2.5	32
84	Spine Surgery under General Anesthesia May Not Increase the Risk of Alzheimer's Disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2010, 29, 233-239.	1.5	31
85	A Double-Edged Sword: Volatile Anesthetic Effects on the Neonatal Brain. <i>Brain Sciences</i> , 2014, 4, 273-294.	2.3	31
86	Isoflurane postconditioning improved long-term neurological outcome possibly via inhibiting the mitochondrial permeability transition pore in neonatal rats after brain hypoxia-ischemia. <i>Neuroscience</i> , 2014, 280, 193-203.	2.3	30
87	Transfusion of Old RBCs Induces Neuroinflammation and Cognitive Impairment. <i>Critical Care Medicine</i> , 2015, 43, e276-e286.	0.9	30
88	Perioperative use of cefazolin ameliorates postoperative cognitive dysfunction but induces gut inflammation in mice. <i>Journal of Neuroinflammation</i> , 2018, 15, 235.	7.2	30
89	Toll-like receptor 2 activation and up-regulation by high mobility group box-1 contribute to postoperative neuroinflammation and cognitive dysfunction in mice. <i>Journal of Neurochemistry</i> , 2021, 158, 328-341.	3.9	30
90	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. <i>Brain Research</i> , 2002, 953, 255-264.	2.2	29

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91	Photoacoustic microscopy of obesity-induced cerebrovascular alterations. <i>NeuroImage</i> , 2019, 188, 369-379.	4.2	29
92	Efficacy of different doses of aspirin in decreasing blood levels of inflammatory markers in patients with cardiovascular metabolic syndrome. <i>Journal of Pharmacy and Pharmacology</i> , 2009, 61, 1505-1510.	2.4	29
93	Regulatory factor X1 is a new tumor suppressive transcription factor that acts via direct downregulation of CD44 in glioblastoma. <i>Neuro-Oncology</i> , 2014, 16, 1078-1085.	1.2	28
94	Effects of Chronic Exposure to Ethanol on Glutamate Transporter EAAT3 Expressed in <i>Xenopus</i> Oocytes: Evidence for Protein Kinase C Involvement. <i>Alcoholism: Clinical and Experimental Research</i> , 2005, 29, 2046-2052.	2.4	27
95	Allele-specific silencing of Alzheimer's disease genes. <i>Gene</i> , 2006, 371, 68-74.	2.2	27
96	Protective Effect of Minocycline Against Ketamine-Induced Injury in Neural Stem Cell: Involvement of PI3K/Akt and Gsk-3 Beta Pathway. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 135.	2.9	27
97	Inhibition of excitatory neurotransmitterâ€“nitric oxide signaling pathway by inhalational anesthetics. <i>Neuroscience</i> , 1999, 93, 1167-1172.	2.3	26
98	Effects of Ethanol on the Rat Glutamate Excitatory Amino Acid Transporter Type 3 Expressed in <i>Xenopus</i> Oocytes: Role of Protein Kinase C and Phosphatidylinositol 3-Kinase. <i>Alcoholism: Clinical and Experimental Research</i> , 2003, 27, 1548-1553.	2.4	26
99	Sevoflurane postconditioning provides neuroprotection against brain hypoxiaâ€“ischemia in neonatal rats. <i>Neurological Sciences</i> , 2014, 35, 1401-1404.	1.9	26
100	Effects of propofol on the activity of rat glutamate transporter type 3 expressed in <i>Xenopus</i> oocytes: the role of protein kinase C. <i>Neuroscience Letters</i> , 2003, 343, 113-116.	2.1	25
101	Regulatory Factor X1-induced Down-regulation of Transforming Growth Factor Î²2 Transcription in Human Neuroblastoma Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 22730-22739.	3.4	25
102	Volatile anesthetics-induced neuroinflammatory and anti-inflammatory responses. <i>Medical Gas Research</i> , 2013, 3, 16.	2.3	25
103	Carbamazepine enhances the activity of glutamate transporter type 3 via phosphatidylinositol 3-kinase. <i>Epilepsy Research</i> , 2005, 66, 145-153.	1.6	24
104	Prenatal hypoxia-induced adaptation and neuroprotection that is inducible nitric oxide synthase-dependent. <i>Neurobiology of Disease</i> , 2005, 20, 871-880.	4.4	24
105	Volatile Anesthetics May Not Induce Significant Toxicity to Human Neuron-Like Cells. <i>Anesthesia and Analgesia</i> , 2011, 112, 1194-1198.	2.2	24
106	Delayed Treatment with Isoflurane Attenuates Lipopolysaccharide and Interferon Î³â€“induced Activation and Injury of Mouse Microglial Cells. <i>Anesthesiology</i> , 2009, 111, 566-573.	2.5	24
107	Isoflurane Enhances the Expression and Activity of Glutamate Transporter Type 3 in C6 Glioma Cells. <i>Anesthesiology</i> , 2003, 99, 1346-1353.	2.5	23
108	Morphine preconditioning reduces lipopolysaccharide and interferon-Î³-induced mouse microglial cell injury via Î²1 opioid receptor activation. <i>Neuroscience</i> , 2010, 167, 256-260.	2.3	23

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109	Electroacupuncture pretreatment induces tolerance against focal cerebral ischemia through activation of canonical Notch pathway. BMC Neuroscience, 2012, 13, 111.	1.9	23
110	Sevoflurane-induced delayed neuroprotection involves mitoKATP channel opening and PKC β activation. Molecular Biology Reports, 2012, 39, 5049-5057.	2.3	23
111	Intranasal pyrrolidine dithiocarbamate decreases brain inflammatory mediators and provides neuroprotection after brain hypoxia-induced ischemia in neonatal rats. Experimental Neurology, 2013, 249, 74-82.	4.1	23
112	Electroacupuncture preconditioning-induced neuroprotection may be mediated by glutamate transporter type 2. Neurochemistry International, 2013, 63, 302-308.	3.8	22
113	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.	3.5	22
114	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.	2.3	21
115	Amantadine attenuates sepsis-induced cognitive dysfunction possibly not through inhibiting toll-like receptor 2. Journal of Molecular Medicine, 2018, 96, 391-402.	3.9	21
116	Knockout of the regulatory factor X1 gene leads to early embryonic lethality. Biochemical and Biophysical Research Communications, 2009, 386, 715-717.	2.1	20
117	Delayed Treatment with Lidocaine Reduces Mouse Microglial Cell Injury and Cytokine Production After Stimulation with Lipopolysaccharide and Interferon β . Anesthesia and Analgesia, 2012, 114, 856-861.	2.2	20
118	Effects of isoflurane on learning and memory functions of wild-type and glutamate transporter type 3 knockout mice. Journal of Pharmacy and Pharmacology, 2012, 64, 302-307.	2.4	20
119	Influence of Chronic Hyperglycemia on Cerebral Microvascular Remodeling. Stroke, 2013, 44, 3557-3560.	2.0	20
120	Effects of tissue plasminogen activator timing on blood-brain barrier permeability and hemorrhagic transformation in rats with transient ischemic stroke. Journal of the Neurological Sciences, 2014, 347, 148-154.	0.6	20
121	Perioperative aspirin improves neurological outcome after focal brain ischemia possibly via inhibition of Notch 1 in rat. Journal of Neuroinflammation, 2014, 11, 56.	7.2	20
122	Both GSK-3 β /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.	3.1	20
123	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.	6.1	20
124	Enhancement of substrate-gated Cl $^-$ currents via rat glutamate transporter EAAT4 by PMA. American Journal of Physiology - Cell Physiology, 2006, 290, C1334-C1340.	4.6	19
125	Volatile Anesthetics Attenuate Oxidative Stress-Reduced Activity of Glutamate Transporter Type 3. Anesthesia and Analgesia, 2009, 109, 1506-1510.	2.2	19
126	Glutamate transporter type 3 knockout mice have a decreased isoflurane requirement to induce loss of righting reflex. Neuroscience, 2010, 171, 788-793.	2.3	19

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127	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.	2.5	19
128	Dexmedetomidine-induced neuroprotection: is it translational?. Translational Perioperative and Pain Medicine, 2016, 1, 15-19.	0.1	19
129	Nicotine decreases the activity of glutamate transporter type 3. Toxicology Letters, 2014, 225, 147-152.	0.8	18
130	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.	2.4	18
131	Isoflurane preconditioning reduces oxygen-glucose deprivation-induced neuronal injury via B-cell lymphoma 2 protein. Environmental Toxicology and Pharmacology, 2011, 31, 262-265.	4.0	17
132	Ulinastatin attenuates isoflurane-induced cognitive dysfunction in aged rats by inhibiting neuroinflammation and β -amyloid peptide expression in the brain. Neurological Research, 2019, 41, 923-929.	1.3	17
133	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.	1.4	17
134	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.	3.5	16
135	Inhibition of glutamate transporters increases the minimum alveolar concentration for isoflurane in rats. British Journal of Anaesthesia, 2006, 97, 192-195.	3.4	16
136	Pyrrolidine dithiocarbamate attenuates brain Al^{2+} increase and improves long-term neurological outcome in rats after transient focal brain ischemia. Neurobiology of Disease, 2012, 45, 564-572.	4.4	16
137	Autoregulation of Inducible Nitric Oxide Synthase Expression by RNA Interference Provides Neuroprotection in Neonatal Rats. Theranostics, 2015, 5, 504-514.	10.0	16
138	Comprehensive Characterization of Cerebrovascular Dysfunction in Blast Traumatic Brain Injury Using Photoacoustic Microscopy. Journal of Neurotrauma, 2019, 36, 1526-1534.	3.4	16
139	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.	3.9	16
140	Activation of the Lateral Habenula-Ventral Tegmental Area Neural Circuit Contributes to Postoperative Cognitive Dysfunction in Mice. Advanced Science, 2022, 9, .	11.2	16
141	Isoflurane decreases AMPA-induced dark cell degeneration and edematous damage of Purkinje neurons in the rat cerebellar slices. Brain Research, 2002, 958, 399-404.	2.2	15
142	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.	2.3	15
143	Isoflurane induces a postconditioning effect on bovine pulmonary arterial endothelial cells exposed to oxygen-glucose deprivation. European Journal of Pharmacology, 2009, 615, 144-149.	3.5	15
144	Statin post-treatment provides protection against simulated ischemia in bovine pulmonary arterial endothelial cells. European Journal of Pharmacology, 2010, 636, 114-120.	3.5	15

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