Zhiyi Zuo

List of Publications by Year in descending order

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246 papers	8,216 citations	41339 49 h-index	74160 75 g-index
246 all docs	246 docs citations	246 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. Anesthesia and Analgesia, 2006, 103, 1018-1025.	2.2	233
2	Predictors of diabetes insipidus after transsphenoidal surgery: a review of 881 patients. Journal of Neurosurgery, 2005, 103, 448-454.	1.6	227
3	Metformin attenuates Alzheimer's disease-like neuropathology in obese, leptin-resistant mice. Pharmacology Biochemistry and Behavior, 2012, 101, 564-574.	2.9	223
4	Isoflurane Preconditioning Induces Neuroprotection against Ischemia via Activation of P38 Mitogen-Activated Protein Kinases. Molecular Pharmacology, 2004, 65, 1172-1180.	2.3	187
5	Postconditioning with Isoflurane Reduced Ischemia-induced Brain Injury in Rats. Anesthesiology, 2008, 108, 1055-1062.	2.5	180
6	Isoflurane induces hippocampal cell injury and cognitive impairments in adult rats. Neuropharmacology, 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. Journal of Neuroinflammation, 2018, 15, 109.	7.2	141
8	Isoflurane Preconditioning Induces Neuroprotection That Is Inducible Nitric Oxide Synthaseâ€“dependent in Neonatal Rats. Anesthesiology, 2004, 101, 695-703.	2.5	134
9	Functional and oxygen-metabolic photoacoustic microscopy of the awake mouse brain. NeuroImage, 2017, 150, 77-87.	4.2	129
10	Morphine Preconditions Purkinje Cells against Cell Death under In VitroÂ Simulated Ischemiaâ€“Reperfusion Conditions. Anesthesiology, 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. PLoS ONE, 2014, 9, e93639.	2.5	119
12	Consensus Statement: First International Workshop on Anesthetics and Alzheimerâ€™s Disease. Anesthesia and Analgesia, 2009, 108, 1627-1630.	2.2	112
13	Perioperative Neurocognitive Disorder. Anesthesiology, 2020, 132, 55-68.	2.5	106
14	Isoflurane Induces Learning Impairment That Is Mediated by Interleukin 1Î² in Rodents. PLoS ONE, 2012, 7, e51431.	2.5	102
15	Isoflurane preconditioning reduces purkinje cell death in an in vitro model of rat cerebellar ischemia. Neuroscience, 2003, 118, 99-106.	2.3	101
16	Enriched Environment Attenuates Surgery-Induced Impairment of Learning, Memory, and Neurogenesis Possibly by Preserving BDNF Expression. Molecular Neurobiology, 2016, 53, 344-354.	4.0	100
17	Isoflurane Preconditioning Improves Long-term Neurologic Outcome after Hypoxicâ€“Ischemic Brain Injury in Neonatal Rats. Anesthesiology, 2007, 107, 963-970.	2.5	99
18	Chronic Intermittent Fasting Improves Cognitive Functions and Brain Structures in Mice. PLoS ONE, 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. European Journal of Pharmacology, 2009, 606, 115-120.	3.5	93
20	The Role of Opioid Receptor Internalization and ??-Arrestins in the Development of Opioid Tolerance. Anesthesia and Analgesia, 2005, 101, 728-734.	2.2	88
21	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.	2.6	86
22	Spironolactone Reduced Arrhythmia and Maintained Magnesium Homeostasis in Patients With Congestive Heart Failure. Journal of Cardiac Failure, 2007, 13, 170-177.	1.7	84
23	Rotational thromboelastometryâ€“guided blood product management in major spine surgery. Journal of Neurosurgery: Spine, 2015, 23, 239-249.	1.7	84
24	Dexmedetomidine attenuates sepsis-associated inflammation and encephalopathy via central Î±2A adrenoceptor. Brain, Behavior, and Immunity, 2021, 91, 296-314.	4.1	84
25	Opioid Preconditioning Induces Opioid Receptor-Dependent Delayed Neuroprotection Against Ischemia in Rats. Journal of Neuropathology and Experimental Neurology, 2006, 65, 945-952.	1.7	82
26	Isoflurane postconditioning reduces ischemia-induced nuclear factor-ÎºB activation and interleukin 1Î² production to provide neuroprotection in rats and mice. Neurobiology of Disease, 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. Neuroscience, 2009, 164, 497-506.	2.3	78
28	Lidocaine attenuates cognitive impairment after isoflurane anesthesia in old rats. Behavioural Brain Research, 2012, 228, 319-327.	2.2	78
29	Chronic high fat diet induces cardiac hypertrophy and fibrosis in mice. Metabolism: Clinical and Experimental, 2015, 64, 917-925.	3.4	76
30	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.	5.5	76
31	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.	0.8	76
32	Hypothermic Preconditioning Increases Survival of Purkinje Neurons in Rat Cerebellar Slices after an In VitroÂ Simulated Ischemia. Anesthesiology, 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. Brain Research Bulletin, 2014, 107, 69-78.	3.0	72
34	Critical role of P2X7 receptors in the neuroinflammation and cognitive dysfunction after surgery. Brain, Behavior, and Immunity, 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. Journal of Pharmacology and Experimental Therapeutics, 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. European Journal of Pharmacology, 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. Anesthesiology, 2014, 121, 773-785.	2.5	67
38	Pyrrolidine dithiocarbamate attenuates surgery-induced neuroinflammation and cognitive dysfunction possibly via inhibition of nuclear factor ÎºB. Neuroscience, 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. Molecular Psychiatry, 2021, 26, 7167-7187.	7.9	63
40	Dexmedetomidine Postconditioning Reduces Brain Injury after Brain Hypoxia-Ischemia in Neonatal Rats. Journal of NeuroImmune Pharmacology, 2016, 11, 238-247.	4.1	62
41	Airway Management in Patients With Pituitary Disease. Journal of Neurosurgical Anesthesiology, 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. Journal of NeuroImmune Pharmacology, 2015, 10, 179-189.	4.1	59
43	The Transcription Factor Regulatory Factor X1 Increases the Expression of Neuronal Glutamate Transporter Type 3. Journal of Biological Chemistry, 2006, 281, 21250-21255.	3.4	58
44	Opioids: Old Drugs for Potential New Applications. Current Pharmaceutical Design, 2005, 11, 1343-1350.	1.9	56
45	Effects of Volatile Anesthetics on Glutamate Transporter, Excitatory Amino Acid Transporter Type 3. Anesthesiology, 2002, 96, 1492-1497.	2.5	55
46	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.	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. Cardiovascular Research, 2014, 103, 473-484.	3.8	55
48	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.	2.5	54
49	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.	4.0	54
50	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.	3.3	52
51	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.	3.4	52
52	Isoflurane preconditioning reduces mouse microglial activation and injury induced by lipopolysaccharide and interferon-Î³. Neuroscience, 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. European Journal of Pharmacology, 2006, 542, 84-91.	3.5	49
54	Isoflurane preconditioning and postconditioning in rat hippocampal neurons. Brain Research, 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. Neuroscience, 2011, 199, 44-50.	2.3	48
56	Intravenous versus Volatile Anesthetic Effects on Postoperative Cognition in Elderly Patients Undergoing Laparoscopic Abdominal Surgery. Anesthesiology, 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. Journal of Cardiovascular Pharmacology, 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. Journal of Neuroinflammation, 2014, 11, 93.	7.2	47
59	Bacterial Colonization of Epidural Catheters Used for Short-term Postoperative Analgesia. Anesthesiology, 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. Anesthesia and Analgesia, 2002, 95, 1263-1268.	2.2	45
61	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.	4.3	45
62	Are volatile anesthetics neuroprotective or neurotoxic?. Medical Gas Research, 2012, 2, 10.	2.3	45
63	Endothelial cell Pannexin1 modulates severity of ischemic stroke by regulating cerebral inflammation and myogenic tone. JCI Insight, 2018, 3, .	5.0	45
64	Volatile anesthetic post-treatment induces protection via inhibition of glycogen synthase kinase 3Î² in human neuron-like cells. Neuroscience, 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. Neuroscience, 2012, 220, 85-89.	2.3	44
66	Strict Glucose Control Does Not Affect Mortality after Aneurysmal Subarachnoid Hemorrhage. Anesthesiology, 2009, 110, 603-610.	2.5	43
67	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.	2.3	42
68	Contribution of microRNA-203 to the isoflurane preconditioning-induced neuroprotection. Brain Research Bulletin, 2012, 88, 525-528.	3.0	41
69	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.	3.5	38
70	Isoflurane preconditioning decreases glutamate receptor overactivation-induced Purkinje neuronal injury in rat cerebellar slices. Brain Research, 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. Journal of Biological Chemistry, 2006, 281, 38133-38138.	3.4	37
72	Critical role of matrix metallopeptidase 9 in postoperative cognitive dysfunction and age-dependent cognitive decline. Oncotarget, 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. Anesthesiology, 1995, 83, 395-404..	2.5	36
74	Inhalational Anesthetics Up-Regulate Constitutive and Lipopolysaccharide-Induced Inducible Nitric Oxide Synthase Expression and Activity. Molecular Pharmacology, 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. Brain Research, 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. Journal of Molecular Medicine, 2017, 95, 369-379.	3.9	35
77	Critical role of UQCRC1 in embryo survival, brain ischemic tolerance and normal cognition in mice. Cellular and Molecular Life Sciences, 2019, 76, 1381-1396.	5.4	35
78	Halothane and Isoflurane Inhibit Vasodilation Due to Constitutive but Not Inducible Nitric Oxide Synthase. Anesthesiology, 1996, 84, 1156-1165.	2.5	34
79	Isoflurane enhances glutamate uptake via glutamate transporters in rat glial cells. NeuroReport, 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. BMJ Open, 2017, 7, e014629.	1.9	34
81	Photoacoustic microscopy reveals the hemodynamic basis of sphingosine 1-phosphate-induced neuroprotection against ischemic stroke. Theranostics, 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. Neuropharmacology, 2016, 111, 180-194.	4.1	33
83	Isoflurane Preconditioning Reduces the Rat NR8383 Macrophage Injury Induced by Lipopolysaccharide and Interferon Î³. Anesthesiology, 2008, 108, 643-650.	2.5	32
84	Spine Surgery under General Anesthesia May Not Increase the Risk of Alzheimerâ€™s Disease. Dementia and Geriatric Cognitive Disorders, 2010, 29, 233-239.	1.5	31
85	A Double-Edged Sword: Volatile Anesthetic Effects on the Neonatal Brain. Brain Sciences, 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 hypoxiaâ€“ischemia. Neuroscience, 2014, 280, 193-203.	2.3	30
87	Transfusion of Old RBCs Induces Neuroinflammation and Cognitive Impairment. Critical Care Medicine, 2015, 43, e276-e286.	0.9	30
88	Perioperative use of cefazolin ameliorates postoperative cognitive dysfunction but induces gut inflammation in mice. Journal of Neuroinflammation, 2018, 15, 235.	7.2	30
89	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.	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. Brain Research, 2002, 953, 255-264.	2.2	29

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91	Photoacoustic microscopy of obesity-induced cerebrovascular alterations. NeuroImage, 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. Journal of Pharmacy and Pharmacology, 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. Neuro-Oncology, 2014, 16, 1078-1085.	1.2	28
94	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.	2.4	27
95	Allele-specific silencing of Alzheimer's disease genes. Gene, 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. Frontiers in Molecular Neuroscience, 2016, 9, 135.	2.9	27
97	Inhibition of excitatory neurotransmitterâ€“nitric oxide signaling pathway by inhalational anesthetics. Neuroscience, 1999, 93, 1167-1172.	2.3	26
98	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.	2.4	26
99	Sevoflurane postconditioning provides neuroprotection against brain hypoxiaâ€“ischemia in neonatal rats. Neurological Sciences, 2014, 35, 1401-1404.	1.9	26
100	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.	2.1	25
101	Regulatory Factor X1-induced Down-regulation of Transforming Growth Factor Î²2 Transcription in Human Neuroblastoma Cells. Journal of Biological Chemistry, 2012, 287, 22730-22739.	3.4	25
102	Volatile anesthetics-induced neuroinflammatory and anti-inflammatory responses. Medical Gas Research, 2013, 3, 16.	2.3	25
103	Carbamazepine enhances the activity of glutamate transporter type 3 via phosphatidylinositol 3-kinase. Epilepsy Research, 2005, 66, 145-153.	1.6	24
104	Prenatal hypoxia-induced adaptation and neuroprotection that is inducible nitric oxide synthase-dependent. Neurobiology of Disease, 2005, 20, 871-880.	4.4	24
105	Volatile Anesthetics May Not Induce Significant Toxicity to Human Neuron-Like Cells. Anesthesia and Analgesia, 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. Anesthesiology, 2009, 111, 566-573.	2.5	24
107	Isoflurane Enhances the Expression and Activity of Glutamate Transporter Type 3 in C6 Glioma Cells. Anesthesiology, 2003, 99, 1346-1353.	2.5	23
108	Morphine preconditioning reduces lipopolysaccharide and interferon-Î³-induced mouse microglial cell injury via Î´1 opioid receptor activation. Neuroscience, 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 Îµ activation. Molecular Biology Reports, 2012, 39, 5049-5057.	2.3	23
111	Intranasal pyrrolidine dithiocarbamate decreases brain inflammatory mediators and provides neuroprotection after brain hypoxiaâ€“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 Î³. 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 miceâ€. 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 bloodâ€“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-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.	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 Clâ^' 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 oxygenâ€“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 Î²-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 AÎ² 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 Habenulaâ€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 oxygenâ€“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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145	Isoflurane preconditioning increases endothelial cell tolerance to in-vitro simulated ischaemia. Journal of Pharmacy and Pharmacology, 2010, 63, 106-110.	2.4	15
146	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.	0.8	15
147	A Novel Individual-based Determination of Postoperative Cognitive Dysfunction in Mice. , 2020, 11, 1133.		15
148	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.	3.4	15
149	Histone Deacetylases May Mediate Surgery-Induced Impairment of Learning, Memory, and Dendritic Development. Molecular Neurobiology, 2020, 57, 3702-3711.	4.0	15
150	Paraventricular thalamic nucleus plays a critical role in consolation and anxious behaviors of familiar observers exposed to surgery mice. Theranostics, 2021, 11, 3813-3829.	10.0	15
151	Caffeine-induced inhibition of the activity of glutamate transporter type 3 expressed in Xenopus oocytes. Toxicology Letters, 2013, 217, 143-148.	0.8	14
152	Independent Influence of Overweight and Obesity on the Regression of Left Ventricular Hypertrophy in Hypertensive Patients. Medicine (United States), 2014, 93, e130.	1.0	14
153	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.	2.0	14
154	Propofol reverses oxidative stress-attenuated glutamate transporter EAAT3 activity: Evidence of protein kinase C involvement. European Journal of Pharmacology, 2007, 565, 83-88.	3.5	13
155	A critical role of glutamate transporter type 3 in the learning and memory of mice. Neurobiology of Learning and Memory, 2014, 114, 70-80.	1.9	13
156	Admission hyperglycemia is associated with poor outcome after emergent coronary bypass grafting surgery. Journal of Critical Care, 2015, 30, 1210-1216.	2.2	13
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