

Ailin Luo

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,484
citations

331670

21
h-index

223800

46
g-index

61
all docs

61
docs citations

61
times ranked

4199
citing authors

#	ARTICLE	IF	CITATIONS
1	An interpretable mortality prediction model for COVID-19 patients. <i>Nature Machine Intelligence</i> , 2020, 2, 283-288.	16.0	686
2	Emergency tracheal intubation in 202 patients with COVID-19 in Wuhan, China: lessons learnt and international expert recommendations. <i>British Journal of Anaesthesia</i> , 2020, 125, e28-e37.	3.4	267
3	Key role of gut microbiota in anhedonia-like phenotype in rodents with neuropathic pain. <i>Translational Psychiatry</i> , 2019, 9, 57.	4.8	134
4	Molecular and cellular mechanisms underlying the antidepressant effects of ketamine enantiomers and its metabolites. <i>Translational Psychiatry</i> , 2019, 9, 280.	4.8	133
5	Abnormal gut microbiota composition contributes to cognitive dysfunction in SAMP8 mice. <i>Aging</i> , 2018, 10, 1257-1267.	3.1	123
6	Postoperative cognitive dysfunction in the aged: the collision of neuroinflammation with perioperative neuroinflammation. <i>Inflammopharmacology</i> , 2019, 27, 27-37.	3.9	76
7	Role of Actinobacteria and Coriobacteriia in the antidepressant effects of ketamine in an inflammation model of depression. <i>Pharmacology Biochemistry and Behavior</i> , 2019, 176, 93-100.	2.9	73
8	Vagus nerve stimulation in brain diseases: Therapeutic applications and biological mechanisms. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 127, 37-53.	6.1	72
9	Abnormal gut microbiota composition contributes to the development of type 2 diabetes mellitus in db/db mice. <i>Aging</i> , 2019, 11, 10454-10467.	3.1	64
10	The Role of Bacteria and Its Derived Metabolites in Chronic Pain and Depression: Recent Findings and Research Progress. <i>International Journal of Neuropsychopharmacology</i> , 2020, 23, 26-41.	2.1	58
11	Anesthesia and surgery induce cognitive dysfunction in elderly male mice: the role of gut microbiota. <i>Aging</i> , 2019, 11, 1778-1790.	3.1	49
12	Resveratrol Mitigates Sevoflurane-Induced Neurotoxicity by the SIRT1-Dependent Regulation of BDNF Expression in Developing Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-18.	4.0	47
13	Abnormal gut microbiota composition contributes to cognitive dysfunction in streptozotocin-induced diabetic mice. <i>Aging</i> , 2019, 11, 3262-3279.	3.1	46
14	Sulforaphane Alleviates Lipopolysaccharide-induced Spatial Learning and Memory Dysfunction in Mice: The Role of BDNF-mTOR Signaling Pathway. <i>Neuroscience</i> , 2018, 388, 357-366.	2.3	37
15	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
16	Dexmedetomidine Attenuates Myocardial Injury in Off-Pump Coronary Artery Bypass Graft Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2016, 30, 44-50.	1.3	31
17	The Role of Perioperative Sleep Disturbance in Postoperative Neurocognitive Disorders. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 1395-1410.	2.7	31
18	Role of Keap1-Nrf2 Signaling in Anhedonia Symptoms in a Rat Model of Chronic Neuropathic Pain: Improvement With Sulforaphane. <i>Frontiers in Pharmacology</i> , 2018, 9, 887.	3.5	29

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19	Type 2 diabetes mellitus-associated cognitive dysfunction: Advances in potential mechanisms and therapies. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 137, 104642.	6.1	27
20	PGC-1 α –“FND5”BDNF signaling pathway in skeletal muscle confers resilience to stress in mice subjected to chronic social defeat. <i>Psychopharmacology</i> , 2018, 235, 3351-3358.	3.1	25
21	Resveratrol Mitigates Hippocampal Tau Acetylation and Cognitive Deficit by Activation SIRT1 in Aged Rats following Anesthesia and Surgery. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	4.0	25
22	The role of SIRT1 in neuroinflammation and cognitive dysfunction in aged rats after anesthesia and surgery. <i>American Journal of Translational Research (discontinued)</i> , 2019, 11, 1555-1568.	0.0	23
23	The efficacy and safety of remimazolam tosylate versus propofol in patients undergoing colonoscopy: a multicentered, randomized, positive-controlled, phase III clinical trial. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 4594-4603.	0.0	23
24	Ketamine Alleviates Postoperative Depression-Like Symptoms in Susceptible Mice: The Role of BDNF-TrkB Signaling. <i>Frontiers in Pharmacology</i> , 2019, 10, 1702.	3.5	22
25	Admission fasting plasma glucose is an independent risk factor for 28-day mortality in patients with COVID-19. <i>Journal of Medical Virology</i> , 2021, 93, 2168-2176.	5.0	20
26	Cefazolin Improves Anesthesia and Surgery-Induced Cognitive Impairments by Modulating Blood-Brain Barrier Function, Gut Bacteria and Short Chain Fatty Acids. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 748637.	3.4	20
27	Potential role of CXCL10/CXCR3 signaling in the development of morphine tolerance in periaqueductal gray. <i>Neuropeptides</i> , 2017, 65, 120-127.	2.2	18
28	Brain-derived neurotrophic factor-TrkB signaling in the medial prefrontal cortex plays a role in the anhedonia-like phenotype after spared nerve injury. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2020, 270, 195-205.	3.2	18
29	Perioperative management of patients with suspected or confirmed COVID-19: review and recommendations for perioperative management from a retrospective cohort study. <i>British Journal of Anaesthesia</i> , 2020, 125, 895-911.	3.4	18
30	Abnormalities in Inflammatory Cytokines Confer Susceptible to Chronic Neuropathic Pain-related Anhedonia in a Rat Model of Spared Nerve Injury. <i>Clinical Psychopharmacology and Neuroscience</i> , 2019, 17, 189-199.	2.0	17
31	Pharmacological inhibition of PTEN attenuates cognitive deficits caused by neonatal repeated exposures to isoflurane via inhibition of NR2B-mediated tau phosphorylation in rats. <i>Neuropharmacology</i> , 2017, 114, 135-145.	4.1	15
32	Involvement of caspase-3/PTEN signaling pathway in isoflurane-induced decrease of self-renewal capacity of hippocampal neural precursor cells. <i>Brain Research</i> , 2015, 1625, 275-286.	2.2	14
33	Alterations in the BDNF–mTOR Signaling Pathway in the Spinal Cord Contribute to Hyperalgesia in a Rodent Model of Chronic Restraint Stress. <i>Neuroscience</i> , 2019, 409, 142-151.	2.3	14
34	NR2B receptor- and calpain-mediated KCC2 cleavage resulted in cognitive deficiency exposure to isoflurane. <i>NeuroToxicology</i> , 2020, 76, 75-83.	3.0	14
35	Anesthesia and surgery induce delirium-like behavior in susceptible mice: the role of oxidative stress. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 2435-2444.	0.0	14
36	Risk factors for mortality of critically ill patients with COVID-19 receiving invasive ventilation. <i>International Journal of Medical Sciences</i> , 2021, 18, 1198-1206.	2.5	12

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37	Femoral nerve block versus fascia iliaca block for pain control in knee and hip arthroplasties. <i>Medicine (United States)</i> , 2021, 100, e25450.	1.0	12
38	Effect of dexmedetomidine on delirium during sedation in adult patients in intensive care units: A systematic review and meta-analysis. <i>Journal of Clinical Anesthesia</i> , 2021, 69, 110157.	1.6	11
39	Gut Microbiome and Plasma Metabolome Signatures in Middle-Aged Mice With Cognitive Dysfunction Induced by Chronic Neuropathic Pain. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 806700.	2.9	11
40	Epidural analgesia during labor and its optimal initiation time-points. <i>Medicine (United States)</i> , 2021, 100, e24923.	1.0	10
41	Overexpression cdc42 attenuates isoflurane-induced neurotoxicity in developmental brain of rats. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 719-725.	2.1	9
42	Continuous Analysis of Critical Incidents for 92,136 Postanesthesia Care Unit Patients of a Chinese University Hospital. <i>Journal of Perianesthesia Nursing</i> , 2020, 35, 630-634.	0.7	9
43	Safety and Efficacy Study of the Cyclooxygenase-2 Inhibitor Parecoxib Sodium Applied for Postoperative Analgesia After Endo-Nasal Operation. <i>Pain Practice</i> , 2016, 16, 467-472.	1.9	8
44	Prevalence and predisposing factors of depressive symptoms in patients with stable coronary artery disease: a cross-sectional single-center study. <i>Aging</i> , 2019, 11, 3958-3968.	3.1	8
45	Chikusetsu saponin IVa attenuates isoflurane-induced neurotoxicity and cognitive deficits via SIRT1/ERK1/2 in developmental rats. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 4288-4299.	0.0	8
46	Effect of Propofol on the Expression of MMP-9 and Its Relevant Inflammatory Factors in Brain of Rat with Intracerebral Hemorrhage. <i>Cell Biochemistry and Biophysics</i> , 2015, 72, 675-679.	1.8	7
47	Contribution of skeletal muscular glycine to rapid antidepressant effects of ketamine in an inflammation-induced mouse model of depression. <i>Psychopharmacology</i> , 2019, 236, 3513-3523.	3.1	7
48	Intensive glucose control during the perioperative period for diabetic patients undergoing surgery: An updated systematic review and meta-analysis. <i>Journal of Clinical Anesthesia</i> , 2021, 75, 110504.	1.6	7
49	Effects of dexmedetomidine on delirium and mortality during sedation in ICU patients: a systematic review and meta-analysis protocol. <i>BMJ Open</i> , 2019, 9, e025850.	1.9	6
50	Sulforaphane improves cognitive dysfunction after surgery and anesthesia in mice: The role of Keap1-Nrf2 signaling. <i>Brain Research Bulletin</i> , 2022, 181, 1-11.	3.0	6
51	Isoflurane enhances the expression of cytochrome C by facilitation of NMDA receptor in developing rat hippocampal neurons in vitro. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2011, 31, 779-783.	1.0	5
52	Sevoflurane addiction due to workplace exposure. <i>Medicine (United States)</i> , 2018, 97, e12454.	1.0	5
53	Differential Levels of Hippo Signaling in Selected Brain and Peripheral Tissues in Streptozotocin-Induced Cognitive Dysfunction in Mice. <i>Neuroscience</i> , 2019, 421, 48-58.	2.3	5
54	Preoperative screening of patients at high risk of obstructive sleep apnea and postoperative complications: A systematic review and meta-analysis. <i>Journal of Clinical Anesthesia</i> , 2022, 79, 110692.	1.6	5

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55	General Anesthetic-Induced Neurotoxicity in the Immature Brain: Reevaluating the Confounding Factors in the Preclinical Studies. BioMed Research International, 2020, 2020, 1-7.	1.9	4
56	Clinical experience with emergency endotracheal intubation in COVID-19 patients in the intensive care units: a single-centered, retrospective, descriptive study. American Journal of Translational Research (discontinued), 2020, 12, 6655-6664.	0.0	4
57	Mdivi-1 pretreatment mitigates isoflurane-induced cognitive deficits in developmental rats. American Journal of Translational Research (discontinued), 2018, 10, 432-443.	0.0	3
58	Anesthetic management of radical nephrectomy in patients with renal cell carcinoma involving renal vein or inferior vena cava. Tumori, 2019, 105, 411-416.	1.1	1
59	COVID-19: a risk factor for fatal outcomes in patients with comorbid cardiovascular disease. Aging, 2020, 12, 18866-18877.	3.1	0
60	CHIP Decline Is Associated With Isoflurane-Induced Neurodegeneration in Aged Mice. Frontiers in Neuroscience, 2022, 16, 824871.	2.8	0