

# Ailin Luo

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

1,433  
citations

17  
h-index

37  
g-index

61  
ext. papers

2,046  
ext. citations

4.7  
avg, IF

4.79  
L-index

#	Paper	IF	Citations
60	An interpretable mortality prediction model for COVID-19 patients. <i>Nature Machine Intelligence</i> , <b>2020</b> , 2, 283-288	22.5	398
59	Emergency tracheal intubation in 202 patients with COVID-19 in Wuhan, China: lessons learnt and international expert recommendations. <i>British Journal of Anaesthesia</i> , <b>2020</b> , 125, e28-e37	5.4	186
58	Abnormal gut microbiota composition contributes to cognitive dysfunction in SAMP8 mice. <i>Aging</i> , <b>2018</b> , 10, 1257-1267	5.6	83
57	Molecular and cellular mechanisms underlying the antidepressant effects of ketamine enantiomers and its metabolites. <i>Translational Psychiatry</i> , <b>2019</b> , 9, 280	8.6	82
56	Key role of gut microbiota in anhedonia-like phenotype in rodents with neuropathic pain. <i>Translational Psychiatry</i> , <b>2019</b> , 9, 57	8.6	73
55	Postoperative cognitive dysfunction in the aged: the collision of neuroinflammation with perioperative neuroinflammation. <i>Inflammopharmacology</i> , <b>2019</b> , 27, 27-37	5.1	38
54	Abnormal gut microbiota composition contributes to the development of type 2 diabetes mellitus in db/db mice. <i>Aging</i> , <b>2019</b> , 11, 10454-10467	5.6	37
53	Role of Actinobacteria and Coriobacteriia in the antidepressant effects of ketamine in an inflammation model of depression. <i>Pharmacology Biochemistry and Behavior</i> , <b>2019</b> , 176, 93-100	3.9	36
52	Abnormal gut microbiota composition contributes to cognitive dysfunction in streptozotocin-induced diabetic mice. <i>Aging</i> , <b>2019</b> , 11, 3262-3279	5.6	33
51	Anesthesia and surgery induce cognitive dysfunction in elderly male mice: the role of gut microbiota. <i>Aging</i> , <b>2019</b> , 11, 1778-1790	5.6	29
50	The Role of Bacteria and Its Derived Metabolites in Chronic Pain and Depression: Recent Findings and Research Progress. <i>International Journal of Neuropsychopharmacology</i> , <b>2020</b> , 23, 26-41	5.8	29
49	Critical role of matrix metalloproteinase 9 in postoperative cognitive dysfunction and age-dependent cognitive decline. <i>Oncotarget</i> , <b>2017</b> , 8, 51817-51829	3.3	28
48	Sulforaphane Alleviates Lipopolysaccharide-induced Spatial Learning and Memory Dysfunction in Mice: The Role of BDNF-mTOR Signaling Pathway. <i>Neuroscience</i> , <b>2018</b> , 388, 357-366	3.9	26
47	Resveratrol Mitigates Sevoflurane-Induced Neurotoxicity by the SIRT1-Dependent Regulation of BDNF Expression in Developing Mice. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 9018624	6.7	24
46	Dexmedetomidine Attenuates Myocardial Injury in Off-Pump Coronary Artery Bypass Graft Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2016</b> , 30, 44-50	2.1	24
45	The role of SIRT1 in neuroinflammation and cognitive dysfunction in aged rats after anesthesia and surgery. <i>American Journal of Translational Research (discontinued)</i> , <b>2019</b> , 11, 1555-1568	3	22
44	Role of Keap1-Nrf2 Signaling in Anhedonia Symptoms in a Rat Model of Chronic Neuropathic Pain: Improvement With Sulforaphane. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 887	5.6	19

43	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> , <b>2020</b> , 12, 4594-4603	3	17
42	PGC-1 $\beta$ /FND5-BDNF signaling pathway in skeletal muscle confers resilience to stress in mice subjected to chronic social defeat. <i>Psychopharmacology</i> , <b>2018</b> , 235, 3351-3358	4.7	17
41	Vagus nerve stimulation in brain diseases: Therapeutic applications and biological mechanisms. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 127, 37-53	9	15
40	Potential role of CXCL10/CXCR3 signaling in the development of morphine tolerance in periaqueductal gray. <i>Neuropeptides</i> , <b>2017</b> , 65, 120-127	3.3	14
39	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> , <b>2017</b> , 114, 135-145	5.5	14
38	Anesthesia and surgery induce delirium-like behavior in susceptible mice: the role of oxidative stress. <i>American Journal of Translational Research (discontinued)</i> , <b>2018</b> , 10, 2435-2444	3	14
37	Involvement of caspase-3/PTEN signaling pathway in isoflurane-induced decrease of self-renewal capacity of hippocampal neural precursor cells. <i>Brain Research</i> , <b>2015</b> , 1625, 275-86	3.7	13
36	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> , <b>2020</b> , 270, 195-205	5.1	12
35	Ketamine Alleviates Postoperative Depression-Like Symptoms in Susceptible Mice: The Role of BDNF-TrkB Signaling. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1702	5.6	11
34	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> , <b>2019</b> , 17, 189-199	3.4	11
33	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> , <b>2020</b> , 125, 895-911	5.4	11
32	Admission fasting plasma glucose is an independent risk factor for 28-day mortality in patients with COVID-19. <i>Journal of Medical Virology</i> , <b>2021</b> , 93, 2168-2176	19.7	10
31	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> , <b>2019</b> , 409, 142-151	3.9	9
30	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> , <b>2017</b> , 9, 4288-4299	3	8
29	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> , <b>2020</b> , 2020, 4635163	6.7	8
28	Contribution of skeletal muscular glycine to rapid antidepressant effects of ketamine in an inflammation-induced mouse model of depression. <i>Psychopharmacology</i> , <b>2019</b> , 236, 3513-3523	4.7	7
27	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> , <b>2021</b> , 69, 110157	1.9	7
26	Overexpression cdc42 attenuates isoflurane-induced neurotoxicity in developmental brain of rats. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 490, 719-725	3.4	6

25	NR2B receptor- and calpain-mediated KCC2 cleavage resulted in cognitive deficiency exposure to isoflurane. <i>NeuroToxicology</i> , <b>2020</b> , 76, 75-83	4.4	6
24	Safety and Efficacy Study of the Cyclooxygenase-2 Inhibitor Parecoxib Sodium Applied for Postoperative Analgesia After Endo-Nasal Operation. <i>Pain Practice</i> , <b>2016</b> , 16, 467-72	3	5
23	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> , <b>2015</b> , 72, 675-9	3.2	5
22	Prevalence and predisposing factors of depressive symptoms in patients with stable coronary artery disease: a cross-sectional single-center study. <i>Aging</i> , <b>2019</b> , 11, 3958-3968	5.6	5
21	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> , <b>2011</b> , 31, 779-783		4
20	Risk factors for mortality of critically ill patients with COVID-19 receiving invasive ventilation. <i>International Journal of Medical Sciences</i> , <b>2021</b> , 18, 1198-1206	3.7	4
19	Sevoflurane addiction due to workplace exposure: A case report and literature review. <i>Medicine (United States)</i> , <b>2018</b> , 97, e12454	1.8	4
18	Effects of dexmedetomidine on delirium and mortality during sedation in ICU patients: a systematic review and meta-analysis protocol. <i>BMJ Open</i> , <b>2019</b> , 9, e025850	3	3
17	The Role of Perioperative Sleep Disturbance in Postoperative Neurocognitive Disorders. <i>Nature and Science of Sleep</i> , <b>2021</b> , 13, 1395-1410	3.6	3
16	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> , <b>2021</b> , 75, 110504	1.9	3
15	Continuous Analysis of Critical Incidents for 92,136 Postanesthesia Care Unit Patients of a Chinese University Hospital. <i>Journal of Perianesthesia Nursing</i> , <b>2020</b> , 35, 630-634	1.3	2
14	General Anesthetic-Induced Neurotoxicity in the Immature Brain: Reevaluating the Confounding Factors in the Preclinical Studies. <i>BioMed Research International</i> , <b>2020</b> , 2020, 7380172	3	2
13	Differential Levels of Hippo Signaling in Selected Brain and Peripheral Tissues in Streptozotocin-Induced Cognitive Dysfunction in Mice. <i>Neuroscience</i> , <b>2019</b> , 421, 48-58	3.9	2
12	Mdivi-1 pretreatment mitigates isoflurane-induced cognitive deficits in developmental rats. <i>American Journal of Translational Research (discontinued)</i> , <b>2018</b> , 10, 432-443	3	2
11	Clinical experience with emergency endotracheal intubation in COVID-19 patients in the intensive care units: a single-centered, retrospective, descriptive study. <i>American Journal of Translational Research (discontinued)</i> , <b>2020</b> , 12, 6655-6664	3	2
10	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> , <b>2021</b> , 13, 748637	5.3	2
9	Femoral nerve block versus fascia iliaca block for pain control in knee and hip arthroplasties: A meta-analysis. <i>Medicine (United States)</i> , <b>2021</b> , 100, e25450	1.8	2
8	Type 2 Diabetes Mellitus-associated Cognitive Dysfunction: Advances in Potential Mechanisms and Therapies.. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2022</b> , 104642	9	2

7	Anesthetic management of radical nephrectomy in patients with renal cell carcinoma involving renal vein or inferior vena cava. <i>Tumori</i> , <b>2019</b> , 105, 411-416	1.7	1
6	Gut Microbiome and Plasma Metabolome Signatures in Middle-Aged Mice With Cognitive Dysfunction Induced by Chronic Neuropathic Pain.. <i>Frontiers in Molecular Neuroscience</i> , <b>2021</b> , 14, 806700	6.1	1
5	Epidural analgesia during labor and its optimal initiation time-points: A real-world study on 400 Chinese nulliparas. <i>Medicine (United States)</i> , <b>2021</b> , 100, e24923	1.8	1
4	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> , <b>2022</b> , 79, 110692	1.9	1
3	Sulforaphane improves cognitive dysfunction after surgery and anesthesia in mice: The role of Keap1-Nrf2 signaling.. <i>Brain Research Bulletin</i> , <b>2022</b> , 181, 1-11	3.9	0
2	COVID-19: a risk factor for fatal outcomes in patients with comorbid cardiovascular disease. <i>Aging</i> , <b>2020</b> , 12, 18866-18877	5.6	
1	CHIP Decline Is Associated With Isoflurane-Induced Neurodegeneration in Aged Mice.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 824871	5.1	