

Jian Luo

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

7,768
citations

101384

36
h-index

214527

47
g-index

49
all docs

49
docs citations

49
times ranked

10237
citing authors

#	ARTICLE	IF	CITATIONS
1	The ageing systemic milieu negatively regulates neurogenesis and cognitive function. <i>Nature</i> , 2011, 477, 90-94.	13.7	1,453
2	Young blood reverses age-related impairments in cognitive function and synaptic plasticity in mice. <i>Nature Medicine</i> , 2014, 20, 659-663.	15.2	858
3	Boosting the down-shifting luminescence of rare-earth nanocrystals for biological imaging beyond 1500nm. <i>Nature Communications</i> , 2017, 8, 737.	5.8	416
4	β 2-microglobulin is a systemic pro-aging factor that impairs cognitive function and neurogenesis. <i>Nature Medicine</i> , 2015, 21, 932-937.	15.2	373
5	A bright organic NIR-II nanofluorophore for three-dimensional imaging into biological tissues. <i>Nature Communications</i> , 2018, 9, 1171.	5.8	353
6	Traumatic Brain Injury Imaging in the Second Near-Infrared Window with a Molecular Fluorophore. <i>Advanced Materials</i> , 2016, 28, 6872-6879.	11.1	311
7	A human brain vascular atlas reveals diverse mediators of Alzheimer's risk. <i>Nature</i> , 2022, 603, 885-892.	13.7	294
8	CD22 blockade restores homeostatic microglial phagocytosis in ageing brains. <i>Nature</i> , 2019, 568, 187-192.	13.7	283
9	Atomic-Precision Gold Clusters for NIR Imaging. <i>Advanced Materials</i> , 2019, 31, e1901015.	11.1	279
10	Physiological blood-brain transport is impaired with age by a shift in transcytosis. <i>Nature</i> , 2020, 583, 425-430.	13.7	243
11	Molecular imaging of biological systems with a clickable dye in the broad 800- to 1,700-nm near-infrared window. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 962-967.	3.3	230
12	Colony-stimulating factor 1 receptor (CSF1R) signaling in injured neurons facilitates protection and survival. <i>Journal of Experimental Medicine</i> , 2013, 210, 157-172.	4.2	206
13	Angiotensin II sustains brain inflammation in mice via TGF- β 2. <i>Journal of Clinical Investigation</i> , 2010, 120, 2782-2794.	3.9	177
14	Polyethylene glycol immediately repairs neuronal membranes and inhibits free radical production after acute spinal cord injury. <i>Journal of Neurochemistry</i> , 2002, 83, 471-480.	2.1	157
15	Light-sheet microscopy in the near-infrared II window. <i>Nature Methods</i> , 2019, 16, 545-552.	9.0	151
16	Acrolein induces oxidative stress in brain mitochondria. <i>Neurochemistry International</i> , 2005, 46, 243-252.	1.9	133
17	Preclinical Assessment of Young Blood Plasma for Alzheimer Disease. <i>JAMA Neurology</i> , 2016, 73, 1325.	4.5	123
18	Long-Term Cognitive Impairments and Pathological Alterations in a Mouse Model of Repetitive Mild Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2014, 5, 12.	1.1	114

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19	Glia-dependent TGF- β 2 signaling, acting independently of the TH17 pathway, is critical for initiation of murine autoimmune encephalomyelitis. <i>Journal of Clinical Investigation</i> , 2007, 117, 3306-3315.	3.9	108
20	Global Analysis of Smad2/3-Dependent TGF- β 2 Signaling in Living Mice Reveals Prominent Tissue-Specific Responses to Injury. <i>Journal of Immunology</i> , 2005, 175, 547-554.	0.4	103
21	Orally administered TGF- β 2 is biologically active in the intestinal mucosa and enhances oral tolerance. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 120, 916-923.	1.5	102
22	Acrolein-induced cell death in PC12 cells: Role of mitochondria-mediated oxidative stress. <i>Neurochemistry International</i> , 2005, 47, 449-457.	1.9	100
23	Impact of peripheral myeloid cells on amyloid- β pathology in Alzheimer's disease-like mice. <i>Journal of Experimental Medicine</i> , 2015, 212, 1811-1818.	4.2	99
24	Young CSF restores oligodendrogenesis and memory in aged mice via Fgf17. <i>Nature</i> , 2022, 605, 509-515.	13.7	98
25	Accumulation of Acrolein-Protein Adducts after Traumatic Spinal Cord Injury. <i>Neurochemical Research</i> , 2005, 30, 291-295.	1.6	94
26	Polyethylene Glycol Improves Function and Reduces Oxidative Stress in Synaptosomal Preparations following Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2004, 21, 994-1007.	1.7	91
27	Acrolein induces axolemmal disruption, oxidative stress, and mitochondrial impairment in spinal cord tissue. <i>Neurochemistry International</i> , 2004, 44, 475-486.	1.9	88
28	Bioluminescence imaging of Smad signaling in living mice shows correlation with excitotoxic neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18326-18331.	3.3	75
29	Antiviral drug ganciclovir is a potent inhibitor of microglial proliferation and neuroinflammation. <i>Journal of Experimental Medicine</i> , 2014, 211, 189-198.	4.2	61
30	Polyethylene glycol inhibits apoptotic cell death following traumatic spinal cord injury. <i>Brain Research</i> , 2007, 1155, 10-16.	1.1	60
31	Acrolein inflicts axonal membrane disruption and conduction loss in isolated guinea-pig spinal cord. <i>Neuroscience</i> , 2002, 115, 337-340.	1.1	55
32	Deficiency in Neuronal TGF- β 2 Signaling Leads to Nigrostriatal Degeneration and Activation of TGF- β 2 Signaling Protects against MPTP Neurotoxicity in Mice. <i>Journal of Neuroscience</i> , 2017, 37, 4584-4592.	1.7	55
33	Bioluminescence in vivo imaging of autoimmune encephalomyelitis predicts disease. <i>Journal of Neuroinflammation</i> , 2008, 5, 6.	3.1	53
34	Molecular hallmarks of heterochronic parabiosis at single-cell resolution. <i>Nature</i> , 2022, 603, 309-314.	13.7	51
35	Diffusive oxidative stress following acute spinal cord injury in guinea pigs and its inhibition by polyethylene glycol. <i>Neuroscience Letters</i> , 2004, 359, 167-170.	1.0	46
36	An oligomeric semiconducting nanozyme with ultrafast electron transfers alleviates acute brain injury. <i>Science Advances</i> , 2021, 7, eabk1210.	4.7	46

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37	Detection of reactive oxygen species by flow cytometry after spinal cord injury. <i>Journal of Neuroscience Methods</i> , 2002, 120, 105-112.	1.3	30
38	The increase of reactive oxygen species and their inhibition in an isolated guinea pig spinal cord compression model. <i>Spinal Cord</i> , 2002, 40, 656-665.	0.9	25
39	In vivo assessment of behavioral recovery and circulatory exchange in the peritoneal parabiosis model. <i>Scientific Reports</i> , 2016, 6, 29015.	1.6	25
40	TGF- β 2 as a Key Modulator of Astrocyte Reactivity: Disease Relevance and Therapeutic Implications. <i>Biomedicines</i> , 2022, 10, 1206.	1.4	25
41	Nociceptive and Cognitive Changes in a Murine Model of Polytrauma. <i>Journal of Pain</i> , 2018, 19, 1392-1405.	0.7	24
42	Small molecule C381 targets the lysosome to reduce inflammation and ameliorate disease in models of neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121609119.	3.3	14
43	Live imaging of Smad2/3 signaling in mouse skin wound healing. <i>Wound Repair and Regeneration</i> , 2007, 15, 762-766.	1.5	13
44	Recombinant Pregnancy-Specific Glycoprotein 1 Has a Protective Role in a Murine Model of Acute Graft-versus-Host Disease. <i>Biology of Blood and Marrow Transplantation</i> , 2019, 25, 193-203.	2.0	11
45	Acute and late administration of colony stimulating factor 1 attenuates chronic cognitive impairment following mild traumatic brain injury in mice. <i>Brain, Behavior, and Immunity</i> , 2021, 94, 274-288.	2.0	8
46	Bioluminescence Analysis of Smad-Dependent TGF- β 2 Signaling in Live Mice. <i>Methods in Molecular Biology</i> , 2009, 574, 193-202.	0.4	8
47	In Vitro Analysis of Transforming Growth Factor- β 1 Inhibition in Novel Transgenic SBE-Luciferase Mice. <i>Annals of Plastic Surgery</i> , 2007, 59, 207-213.	0.5	5
48	Bioluminescent Imaging of Excitotoxic and Endotoxic Brain Injury in Living Mice. , 2008, , 175-182.		0