Jun Cai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9579697/publications.pdf

Version: 2024-02-01

71	3,487	136950	144013
papers	citations	32 h-index	57 g-index

72	72	72	4538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Current understanding of hexavalent chromium [Cr(VI)] neurotoxicity and new perspectives. Environment International, 2022, 158, 106877.	10.0	93
2	Sulforaphane Does Not Protect Right Ventricular Systolic and Diastolic Functions in Nrf2 Knockout Pulmonary Artery Hypertension Mice. Cardiovascular Drugs and Therapy, 2022, 36, 425-436.	2.6	8
3	Perinatal methadone exposure attenuates myelination and induces oligodendrocyte apoptosis in neonatal rat brain. Experimental Biology and Medicine, 2022, 247, 1067-1079.	2.4	3
4	Neonatal opioid withdrawal syndrome disrupts the ventral swallow pattern generator in germlineâ€GCaMP6F mouse. FASEB Journal, 2022, 36, .	0.5	0
5	Dynamic glial response and crosstalk in demyelination-remyelination and neurodegeneration processes. Neural Regeneration Research, 2021, 16, 1359.	3.0	7
6	Potential crosstalk between sonic hedgehogâ€WNT signaling and neurovascular molecules: Implications for bloodâ€“brain barrier integrity in autism spectrum disorder. Journal of Neurochemistry, 2021, 159, 15-28.	3.9	15
7	Metallothionein induction attenuates the progression of lung injury in mice exposed to long-term intermittent hypoxia. Inflammation Research, 2020, 69, 15-26.	4.0	7
8	Probiotic culture supernatant improves metabolic function through FGF21-adiponectin pathway in mice. Journal of Nutritional Biochemistry, 2020, 75, 108256.	4.2	38
9	CALCOCO2 silencing represents a potential molecular therapeutic target for glioma. Archives of Medical Science, 2020, , .	0.9	0
10	Platelet-Activating Factor Deteriorates Lysophosphatidylcholine-Induced Demyelination Via Its Receptor-Dependent and -Independent Effects. Molecular Neurobiology, 2020, 57, 4069-4081.	4.0	7
11	Neuroprotective Effects of Adenosine A1 Receptor Signaling on Cognitive Impairment Induced by Chronic Intermittent Hypoxia in Mice. Frontiers in Cellular Neuroscience, 2020, 14, 202.	3.7	20
12	Sulforaphane prevents right ventricular injury and reduces pulmonary vascular remodeling in pulmonary arterial hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H853-H866.	3.2	26
13	Diverse changes in myelin protein expression in rat brain after perinatal methadone exposure. Acta Neurobiologiae Experimentalis, 2020, 79, 367-373.	0.7	10
14	Dynamic response of microglia/macrophage polarization following demyelination in mice. Journal of Neuroinflammation, 2019, 16, 188.	7.2	33
15	Protective Effect of Lactobacillus rhamnosus GG and its Supernatant against Myocardial Dysfunction in Obese Mice Exposed to Intermittent Hypoxia is Associated with the Activation of Nrf2 Pathway. International Journal of Biological Sciences, 2019, 15, 2471-2483.	6.4	35
16	Combination of Broccoli Sprout Extract and Zinc Provides Better Protection against Intermittent Hypoxia-Induced Cardiomyopathy Than Monotherapy in Mice. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-12.	4.0	5
17	Diverse changes in myelin protein expression in rat brain after perinatal methadone exposure. Acta Neurobiologiae Experimentalis, 2019, 79, 367-373.	0.7	3
18	Pathophysiological and behavioral deficits in developing mice following rotational acceleration-deceleration traumatic brain injury. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	21

#	Article	IF	Citations
19	Neuroimmunologic and Neurotrophic Interactions in Autism Spectrum Disorders: Relationship to Neuroinflammation. NeuroMolecular Medicine, 2018, 20, 161-173.	3.4	47
20	Activating adenosine A1 receptor accelerates PC12 cell injury via ADORA1/PKC/KATP pathway after intermittent hypoxia exposure. Molecular and Cellular Biochemistry, 2018, 446, 161-170.	3.1	13
21	Nrf2 expression and function, but not MT expression, is indispensable for sulforaphane-mediated protection against intermittent hypoxia-induced cardiomyopathy in mice. Redox Biology, 2018, 19, 11-21.	9.0	20
22	Cellular and network-level adaptations to in utero methadone exposure along the ventral respiratory column in the neonate rat. Experimental Neurology, 2017, 287, 288-297.	4.1	6
23	CXCL12/CXCR4/CXCR7 Chemokine Axis in the Central Nervous System: Therapeutic Targets for Remyelination in Demyelinating Diseases. Neuroscientist, 2017, 23, 627-648.	3.5	37
24	Zinc rescues obesityâ€induced cardiac hypertrophy via stimulating metallothionein to suppress oxidative stressâ€activated <scp>BCL</scp>10/<scp>CARD</scp>9/p38 <scp>MAPK</scp> pathway. Journal of Cellular and Molecular Medicine, 2017, 21, 1182-1192.	3.6	39
25	Thermosensitive heparinâ€poloxamer hydrogels enhance the effects of GDNF on neuronal circuit remodeling and neuroprotection after spinal cord injury. Journal of Biomedical Materials Research - Part A, 2017, 105, 2816-2829.	4.0	18
26	Intermittent hypoxia-induced cardiomyopathy and its prevention by Nrf2 and metallothionein. Free Radical Biology and Medicine, 2017, 112, 224-239.	2.9	37
27	Current Understanding of Platelet-Activating Factor Signaling in Central Nervous System Diseases. Molecular Neurobiology, 2017, 54, 5563-5572.	4.0	40
28	Endoplasmic reticulum stress-induced neuronal inflammatory response and apoptosis likely plays a key role in the development of diabetic encephalopathy. Oncotarget, 2016, 7, 78455-78472.	1.8	73
29	A Compact Blast-Induced Traumatic Brain Injury Model in Mice. Journal of Neuropathology and Experimental Neurology, 2016, 75, 183-196.	1.7	15
30	Attenuated Reactive Gliosis and Enhanced Functional Recovery Following Spinal Cord Injury in Null Mutant Mice of Platelet-Activating Factor Receptor. Molecular Neurobiology, 2016, 53, 3448-3461.	4.0	26
31	Metallothionein deletion exacerbates intermittent hypoxia-induced renal injury in mice. Toxicology Letters, 2015, 232, 340-348.	0.8	52
32	Abstract 79: Nrf2 Protects From Intermittent Hypoxia-induced Cardiomyopathy via Metallothionein-dependent and Independent Mechanisms. Circulation Research, 2015, 117, .	4.5	0
33	Deletion of Metallothionein Exacerbates Intermittent Hypoxia-Induced Oxidative and Inflammatory Injury in Aorta. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-11.	4.0	25
34	Metallothionein as a compensatory component prevents intermittent hypoxia-induced cardiomyopathy in mice. Toxicology and Applied Pharmacology, 2014, 277, 58-66.	2.8	14
35	Traumatic Brain Injury Using Mouse Models. Translational Stroke Research, 2014, 5, 454-471.	4.2	60
36	Gelatin nanostructured lipid carriers-mediated intranasal delivery of basic fibroblast growth factor enhances functional recovery in hemiparkinsonian rats. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 755-764.	3.3	89

#	Article	IF	Citations
37	Metallothionein prevents intermittent hypoxia-induced cardiac endoplasmic reticulum stress and cell death likely via activation of Akt signaling pathway in mice. Toxicology Letters, 2014, 227, 113-123.	0.8	40
38	Current approaches to enhance CNS delivery of drugs across the brain barriers. International Journal of Nanomedicine, 2014, 9, 2241.	6.7	246
39	Ultrasound-mediated strategies in opening brain barriers for drug brain delivery. Expert Opinion on Drug Delivery, 2013, 10, 987-1001.	5.0	16
40	Correlation between electrophysiological properties, morphological maturation, and olig gene changes during postnatal motor tract development. Developmental Neurobiology, 2013, 73, 713-722.	3.0	7
41	Reciprocal Modulation Between Microglia and Astrocyte in Reactive Gliosis Following the CNS Injury. Molecular Neurobiology, 2013, 48, 690-701.	4.0	97
42	Intermittent Hypoxia-Induced Renal Antioxidants and Oxidative Damage in Male Mice: Hormetic dose Response. Dose-Response, 2013, 11, dose-response.1.	1.6	32
43	Apolipoprotein E Mimetic Promotes Functional and Histological Recovery in Lysolecithin-Induced Spinal Cord Demyelination in Mice. Journal of Neurology & Neurophysiology, 2013, s12, 10.	0.1	12
44	Evaluation of a Novel Thermosensitive Heparin-Poloxamer Hydrogel for Improving Vascular Anastomosis Quality and Safety in a Rabbit Model. PLoS ONE, 2013, 8, e73178.	2.5	30
45	Loss of Neuron-Astroglial Interaction Rapidly Induces Protective CNTF Expression after Stroke in Mice. Journal of Neuroscience, 2012, 32, 9277-9287.	3.6	51
46	Cardiac Response to Chronic Intermittent Hypoxia with a Transition from Adaptation to Maladaptation:The Role of Hydrogen Peroxide. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-12.	4.0	32
47	Mouse intermittent hypoxia mimicking apnoea of prematurity: effects on myelinogenesis and axonal maturation. Journal of Pathology, 2012, 226, 495-508.	4.5	64
48	Tcf7l2 is Tightly Controlled During Myelin Formation. Cellular and Molecular Neurobiology, 2012, 32, 345-352.	3.3	38
49	A neonatal mouse model of intermittent hypoxia associated with features of apnea in premature infants. Respiratory Physiology and Neurobiology, 2011, 178, 210-217.	1.6	37
50	Coâ€localization of Nkx6.2 and Nkx2.2 homeodomain proteins in differentiated myelinating oligodendrocytes. Glia, 2010, 58, 458-468.	4.9	88
51	A Genome-Wide Screen for Spatially Restricted Expression Patterns Identifies Transcription Factors That Regulate Glial Development. Journal of Neuroscience, 2009, 29, 11399-11408.	3.6	117
52	Induction of oligodendrocyte differentiation by Olig2 and Sox10: Evidence for reciprocal interactions and dosage-dependent mechanisms. Developmental Biology, 2007, 302, 683-693.	2.0	159
53	Use of magnetic stimulation to elicit motor evoked potentials, somatosensory evoked potentials, and H-reflexes in non-sedated rodents. Journal of Neuroscience Methods, 2007, 165, 9-17.	2.5	36
54	Role of Nkx Homeodomain Factors in the Specification and Differentiation of Motor Neurons and Oligodendrocytes. , 2006, , 163-180.		0

#	Article	IF	Citations
55	Role of Transcription Factors in Motoneuron Differentiation of Adult Human Olfactory Neuroepithelial-Derived Progenitors. Stem Cells, 2006, 24, 434-442.	3.2	32
56	Gli3 mutation rescues the generation, but not the differentiation, of oligodendrocytes in Shh mutants. Brain Research, 2006, 1067, 158-163.	2.2	17
57	Induction of neuronal differentiation of adult human olfactory neuroepithelial-derived progenitors. Brain Research, 2006, 1073-1074, 109-119.	2.2	43
58	Induction of Oligodendrocytes From Adult Human Olfactory Epithelial-Derived Progenitors by Transcription Factors. Stem Cells, 2005, 23, 442-453.	3.2	35
59	Increased production of reactive oxygen species contributes to motor neuron death in a compression mouse model of spinal cord injury. Spinal Cord, 2005, 43, 204-213.	1.9	130
60	Generation of Oligodendrocyte Precursor Cells from Mouse Dorsal Spinal Cord Independent of Nkx6 Regulation and Shh Signaling. Neuron, 2005, 45, 41-53.	8.1	305
61	Oligodendrocytes can be generated from the local ventricular and subventricular zones of embryonic chicken midbrain. Developmental Brain Research, 2003, 143, 161-165.	1.7	14
62	Molecular mapping of the origin of postnatal spinal cord ependymal cells: Evidence that adult ependymal cells are derived from Nkx6.1+ ventral neural progenitor cells. Journal of Comparative Neurology, 2003, 456, 237-244.	1.6	83
63	Region-specific and stage-dependent regulation of Olig gene expression and oligodendrogenesis by Nkx6.1 homeodomain transcription factor. Development (Cambridge), 2003, 130, 6221-6231.	2.5	52
64	Dual origin of spinal oligodendrocyte progenitors and evidence for the cooperative role ofOlig2andNkx2.2in the control of oligodendrocyte differentiation. Development (Cambridge), 2002, 129, 681-693.	2.5	184
65	Dual origin of spinal oligodendrocyte progenitors and evidence for the cooperative role of Olig2 and Nkx2.2 in the control of oligodendrocyte differentiation. Development (Cambridge), 2002, 129, 681-93.	2.5	80
66	Mice Lacking the Nkx6.2 (Gtx) Homeodomain Transcription Factor Develop and Reproduce Normally. Molecular and Cellular Biology, 2001, 21, 4399-4403.	2.3	26
67	Control of oligodendrocyte differentiation by theNkx2.2homeodomain transcription factor. Development (Cambridge), 2001, 128, 2723-2733.	2.5	303
68	Evidence for the differential regulation ofNkx-6.1 expression in the ventral spinal cord and foregut byShh-dependent and -independent mechanisms. Genesis, 2000, 27, 6-11.	1.6	19
69	Selective Expression of Nkx-2.2 Transcription Factor in Chicken Oligodendrocyte Progenitors and Implications for the Embryonic Origin of Oligodendrocytes. Molecular and Cellular Neurosciences, 2000, 16, 740-753.	2.2	64
70	Expression and regulation of the chickenNkx-6.2 homeobox gene suggest its possible involvement in the ventral neural patterning and cell fate specification. , 1999, 216, 459-468.		19
71	Molecular Cloning and Expression of HumanGrap-2, a Novel Leukocyte-Specific SH2- and SH3-Containing Adaptor-like Protein That Binds toGab-1. Biochemical and Biophysical Research Communications, 1998, 253, 443-447.	2.1	33