Xiaohuan Gu

List of Publications by Year
in descending order

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43	1,934	236925	265206
papers	citations	25 h-index	42 g-index

44	44	44	2706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pathogenesis of sporadic Alzheimer's disease by deficiency of NMDA receptor subunit GluN3A. Alzheimer's and Dementia, 2022, 18, 222-239.	0.8	19
2	Combinatorial intranasal delivery of bone marrow mesenchymal stem cells and insulin-like growth factor-1 improves neurovascularization and functional outcomes following focal cerebral ischemia in mice. Experimental Neurology, 2021, 337, 113542.	4.1	24
3	DL-3-n-butylphthalide Increases Collateriogenesis and Functional Recovery after Focal Ischemic Stroke in Mice. , 2021, 12, 1835.		15
4	Conversion of Reactive Astrocytes to Induced Neurons Enhances Neuronal Repair and Functional Recovery After Ischemic Stroke. Frontiers in Aging Neuroscience, 2021, 13, 612856.	3.4	22
5	Glial Cell-Based Vascular Mechanisms and Transplantation Therapies in Brain Vessel and Neurodegenerative Diseases. Frontiers in Cellular Neuroscience, 2021, 15, 627682.	3.7	7
6	Neurotrophic signaling deficiency exacerbates environmental risks for Alzheimerâ€™s disease pathogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
7	GPR37 modulates progenitor cell dynamics in a mouse model of ischemic stroke. Experimental Neurology, 2021, 342, 113719.	4.1	5
8	DPP-4 Inhibitor Linagliptin is Neuroprotective in Hyperglycemic Mice with Stroke via the AKT/mTOR Pathway and Anti-apoptotic Effects. Neuroscience Bulletin, 2020, 36, 407-418.	2.9	15
9	Traumatic brain injury triggers APP and Tau cleavage by delta-secretase, mediating Alzheimerâ€™s disease pathology. Progress in Neurobiology, 2020, 185, 101730.	5.7	49
10	Pharmacological hypothermia induced neurovascular protection after severe stroke of transient middle cerebral artery occlusion in mice. Experimental Neurology, 2020, 325, 113133.	4.1	18
11	Neuropsychological Deficits Chronically Developed after Focal Ischemic Stroke and Beneficial Effects of Pharmacological Hypothermia in the Mouse. , 2020, 11, 1.		23
12	Cortical Transplantation of Brainâ€Mimetic Glycosaminoglycan Scaffolds and Neural Progenitor Cells Promotes Vascular Regeneration and Functional Recovery after Ischemic Stroke in Mice. Advanced Healthcare Materials, 2020, 9, e1900285.	7.6	34
13	Modulation of Stem Cells as Therapeutics for Severe Mental Disorders and Cognitive Impairments. Frontiers in Psychiatry, 2020, 11, 80.	2.6	17
14	Optochemogenetic Stimulation of Transplanted iPS-NPCs Enhances Neuronal Repair and Functional Recovery after Ischemic Stroke. Journal of Neuroscience, 2019, 39, 6571-6594.	3.6	67
15	Protective effects of GPR37 via regulation of inflammation and multiple cell death pathways after ischemic stroke in mice. FASEB Journal, 2019, 33, 10680-10691.	0.5	39
16	Delayed and repeated intranasal delivery of bone marrow stromal cells increases regeneration and functional recovery after ischemic stroke in mice. BMC Neuroscience, 2018, 19, 20.	1.9	43
17	Neuroprotective and regenerative roles of intranasal Wnt-3a administration after focal ischemic stroke in mice. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 404-421.	4.3	66
18	Intranasally Delivered Wnt3a Improves Functional Recovery after Traumatic Brain Injury by Modulating Autophagic, Apoptotic, and Regenerative Pathways in the Mouse Brain. Journal of Neurotrauma, 2018, 35, 802-813.	3.4	44

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19	Enhanced Neurogenesis and Collaterogenesis by Sodium Danshensu Treatment After Focal Cerebral Ischemia in Mice. Cell Transplantation, 2018, 27, 622-636.	2.5	29
20	Pyruvate Kinase M2 Increases Angiogenesis, Neurogenesis, and Functional Recovery Mediated by Upregulation of STAT3 and Focal Adhesion Kinase Activities After Ischemic Stroke in Adult Mice. Neurotherapeutics, 2018, 15, 770-784.	4.4	51
21	Delayed treatment of 6â€Bromoindirubinâ€3â€²â€oxime stimulates neurogenesis and functional recovery after focal ischemic stroke in mice. International Journal of Developmental Neuroscience, 2017, 57, 77-84.	1.6	20
22	DL-3-n-butylphthalide induced neuroprotection, regenerative repair, functional recovery and psychological benefits following traumatic brain injury in mice. Neurochemistry International, 2017, 111, 82-92.	3.8	55
23	Longitudinal MRI evaluation of neuroprotective effects of pharmacologically induced hypothermia in experimental ischemic stroke. Magnetic Resonance Imaging, 2017, 40, 24-30.	1.8	8
24	Longâ€term survival and regeneration of neuronal and vasculature cells inside the core region after ischemic stroke in adult mice. Brain Pathology, 2017, 27, 480-498.	4.1	49
25	Optogenetic stimulation of glutamatergic neuronal activity in the striatum enhances neurogenesis in the subventricular zone of normal and stroke mice. Neurobiology of Disease, 2017, 98, 9-24.	4.4	58
26	Transplantation of iPS cell-derived neural progenitors overexpressing SDF-1Î± increases regeneration and functional recovery after ischemic stroke. Oncotarget, 2017, 8, 97537-97553.	1.8	22
27	Regulation of therapeutic hypothermia on inflammatory cytokines, microglia polarization, migration and functional recovery after ischemic stroke in mice. Neurobiology of Disease, 2016, 96, 248-260.	4.4	109
28	Intracranial Transplantation of Hypoxia-Preconditioned iPSC-Derived Neural Progenitor Cells Alleviates Neuropsychiatric Defects after Traumatic Brain Injury in Juvenile Rats. Cell Transplantation, 2016, 25, 797-809.	2.5	34
29	Improved Therapeutic Benefits by Combining Physical Cooling With Pharmacological Hypothermia After Severe Stroke in Rats. Stroke, 2016, 47, 1907-1913.	2.0	26
30	Expression of the NMDA receptor subunit GluN3A (NR3A) in the olfactory system and its regulatory role on olfaction in the adult mouse. Brain Structure and Function, 2016, 221, 3259-3273.	2.3	22
31	Intranasal Delivery of Bone Marrow Mesenchymal Stem Cells Improved Neurovascular Regeneration and Rescued Neuropsychiatric Deficits after Neonatal Stroke in Rats. Cell Transplantation, 2015, 24, 391-402.	2.5	77
32	A neuroprotective role of the NMDA receptor subunit GluN3A (NR3A) in ischemic stroke of the adult mouse. American Journal of Physiology - Cell Physiology, 2015, 308, C570-C577.	4.6	21
33	Intranasal delivery of hypoxia-preconditioned bone marrow-derived mesenchymal stem cells enhanced regenerative effects after intracerebral hemorrhagic stroke in mice. Experimental Neurology, 2015, 272, 78-87.	4.1	107
34	Pharmacologically induced hypothermia attenuates traumatic brain injury in neonatal rats. Experimental Neurology, 2015, 267, 135-142.	4.1	50
35	Honokiol for the Treatment of Neonatal Pain and Prevention of Consequent Neurobehavioral Disorders. Journal of Natural Products, 2015, 78, 2531-2536.	3.0	8
36	Intranasal Delivery of Apelin-13 Is Neuroprotective and Promotes Angiogenesis After Ischemic Stroke in Mice. ASN Neuro, 2015, 7, 175909141560511.	2.7	104

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37	Therapeutic Effects of Pharmacologically Induced Hypothermia against Traumatic Brain Injury in Mice. Journal of Neurotrauma, 2014, 31, 1417-1430.	3.4	58
38	iPSC Transplantation Increases Regeneration and Functional Recovery After Ischemic Stroke in Neonatal Rats. Stem Cells, 2014, 32, 3075-3087.	3.2	79
39	Mobilization of Endogenous Bone Marrow Derived Endothelial Progenitor Cells and Therapeutic Potential of Parathyroid Hormone after Ischemic Stroke in Mice. PLoS ONE, 2014, 9, e87284.	2.5	35
40	Highly efficient differentiation of neural precursors from human embryonic stem cells and benefits of transplantation after ischemic stroke in mice. Stem Cell Research and Therapy, 2013, 4, 93.	5.5	42
41	Delayed Intranasal Delivery of Hypoxic-Preconditioned Bone Marrow Mesenchymal Stem Cells Enhanced Cell Homing and Therapeutic Benefits after Ischemic Stroke in Mice. Cell Transplantation, 2013, 22, 977-991.	2.5	163
42	Restoration of Intracortical and Thalamocortical Circuits after Transplantation of Bone Marrow Mesenchymal Stem Cells into the Ischemic Brain of Mice. Cell Transplantation, 2013, 22, 2001-2015.	2.5	68
43	Inhibition of prolyl hydroxylases by dimethyloxaloylglycine after stroke reduces ischemic brain injury and requires hypoxia inducible factor-1Î±. Neurobiology of Disease, 2012, 45, 733-742.	4.4	120