

Gang Chen

List of Publications by Year in descending order

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108
papers

4,826
citations

81839

39
h-index

106281

65
g-index

108
all docs

108
docs citations

108
times ranked

5419
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroptosis, a new form of cell death, and its relationships with tumorous diseases. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 648-657.	1.6	447
2	Intracerebral Hemorrhage, Oxidative Stress, and Antioxidant Therapy. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-17.	1.9	216
3	Melatonin Alleviates Intracerebral Hemorrhage-Induced Secondary Brain Injury in Rats via Suppressing Apoptosis, Inflammation, Oxidative Stress, DNA Damage, and Mitochondria Injury. <i>Translational Stroke Research</i> , 2018, 9, 74-91.	2.3	215
4	An Update on Inflammation in the Acute Phase of Intracerebral Hemorrhage. <i>Translational Stroke Research</i> , 2015, 6, 4-8.	2.3	201
5	Evaluation of the Protective Potential of Brain Microvascular Endothelial Cell Autophagy on Blood-Brain Barrier Integrity During Experimental Cerebral Ischemia-Reperfusion Injury. <i>Translational Stroke Research</i> , 2014, 5, 618-626.	2.3	167
6	Glutathione peroxidase 4 participates in secondary brain injury through mediating ferroptosis in a rat model of intracerebral hemorrhage. <i>Brain Research</i> , 2018, 1701, 112-125.	1.1	167
7	Melatonin activates the Nrf2-ARE pathway when it protects against early brain injury in a subarachnoid hemorrhage model. <i>Journal of Pineal Research</i> , 2012, 53, 129-137.	3.4	146
8	Role of the Nrf2-ARE pathway in early brain injury after experimental subarachnoid hemorrhage. <i>Journal of Neuroscience Research</i> , 2011, 89, 515-523.	1.3	122
9	Simvastatin reduces secondary brain injury caused by cortical contusion in rats: Possible involvement of TLR4/NF- κ B pathway. <i>Experimental Neurology</i> , 2009, 216, 398-406.	2.0	120
10	Gasdermin D serves as a key executioner of pyroptosis in experimental cerebral ischemia and reperfusion model both in vivo and in vitro. <i>Journal of Neuroscience Research</i> , 2019, 97, 645-660.	1.3	115
11	The role of nitric oxide in stroke. <i>Medical Gas Research</i> , 2017, 7, 194.	1.2	110
12	Role for RIP1 in mediating necroptosis in experimental intracerebral hemorrhage model both in vivo and in vitro. <i>Cell Death and Disease</i> , 2017, 8, e2641-e2641.	2.7	98
13	The Role of LRRK2 in Neurodegeneration of Parkinson Disease. <i>Current Neuropharmacology</i> , 2018, 16, 1348-1357.	1.4	95
14	IL-4/STAT6 signaling facilitates innate hematoma resolution and neurological recovery after hemorrhagic stroke in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32679-32690.	3.3	93
15	Role of Autophagy in Early Brain Injury after Experimental Subarachnoid Hemorrhage. <i>Journal of Molecular Neuroscience</i> , 2012, 46, 192-202.	1.1	92
16	Melatonin alleviates secondary brain damage and neurobehavioral dysfunction after experimental subarachnoid hemorrhage: possible involvement of TLR4-mediated inflammatory pathway. <i>Journal of Pineal Research</i> , 2013, 55, 399-408.	3.4	87
17	Rehabilitation Treatment and Progress of Traumatic Brain Injury Dysfunction. <i>Neural Plasticity</i> , 2017, 2017, 1-6.	1.0	84
18	Dimethylfumarate alleviates early brain injury and secondary cognitive deficits after experimental subarachnoid hemorrhage via activation of Keap1-Nrf2-ARE system. <i>Journal of Neurosurgery</i> , 2015, 123, 915-923.	0.9	76

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19	Alterations in the time course of expression of the Nox family in the brain in a rat experimental cerebral ischemia and reperfusion model: effects of melatonin. <i>Journal of Pineal Research</i> , 2014, 57, 110-119.	3.4	72
20	Role of Neurexin-1 ^Δ and Neuroligin-1 in Cognitive Dysfunction After Subarachnoid Hemorrhage in Rats. <i>Stroke</i> , 2015, 46, 2607-2615.	1.0	69
21	Progress of Research on Diffuse Axonal Injury after Traumatic Brain Injury. <i>Neural Plasticity</i> , 2016, 2016, 1-7.	1.0	66
22	Luteolin Exerts Neuroprotection via Modulation of the p62/Keap1/Nrf2 Pathway in Intracerebral Hemorrhage. <i>Frontiers in Pharmacology</i> , 2019, 10, 1551.	1.6	65
23	Hydrogen sulfide therapy in brain diseases: from bench to bedside. <i>Medical Gas Research</i> , 2017, 7, 113.	1.2	62
24	Hydrogen Sulfide Ameliorates Early Brain Injury Following Subarachnoid Hemorrhage in Rats. <i>Molecular Neurobiology</i> , 2016, 53, 3646-3657.	1.9	61
25	Roles of autophagy and endoplasmic reticulum stress in intracerebral hemorrhage-induced secondary brain injury in rats. <i>CNS Neuroscience and Therapeutics</i> , 2017, 23, 554-566.	1.9	59
26	Andrographolide ameliorates intracerebral hemorrhage induced secondary brain injury by inhibiting neuroinflammation induction. <i>Neuropharmacology</i> , 2018, 141, 305-315.	2.0	55
27	Acyl-CoA synthetase long chain family member 4 plays detrimental role in early brain injury after subarachnoid hemorrhage in rats by inducing ferroptosis. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 449-463.	1.9	55
28	Exploration of MST1-Mediated Secondary Brain Injury Induced by Intracerebral Hemorrhage in Rats via Hippo Signaling Pathway. <i>Translational Stroke Research</i> , 2019, 10, 729-743.	2.3	54
29	Tert-Butylhydroquinone Alleviates Early Brain Injury and Cognitive Dysfunction after Experimental Subarachnoid Hemorrhage: Role of Keap1/Nrf2/ARE Pathway. <i>PLoS ONE</i> , 2014, 9, e97685.	1.1	53
30	Inhibition of mammalian target of rapamycin attenuates early brain injury through modulating microglial polarization after experimental subarachnoid hemorrhage in rats. <i>Journal of the Neurological Sciences</i> , 2016, 367, 224-231.	0.3	49
31	Autophagy in hemorrhagic stroke: Mechanisms and clinical implications. <i>Progress in Neurobiology</i> , 2018, 163-164, 79-97.	2.8	48
32	CX3CL1/CX3CR1 axis attenuates early brain injury via promoting the delivery of exosomal microRNA-124 from neuron to microglia after subarachnoid hemorrhage. <i>Journal of Neuroinflammation</i> , 2020, 17, 209.	3.1	48
33	The Neuroprotection of Lysosomotropic Agents in Experimental Subarachnoid Hemorrhage Probably Involving the Apoptosis Pathway Triggering by Cathepsins via Chelating Intralysosomal Iron. <i>Molecular Neurobiology</i> , 2015, 52, 64-77.	1.9	46
34	Identification of two phosphorylation sites essential for annexin A1 in blood-brain barrier protection after experimental intracerebral hemorrhage in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2509-2525.	2.4	45
35	Negative regulation of glial Tim-3 inhibits the secretion of inflammatory factors and modulates microglia to antiinflammatory phenotype after experimental intracerebral hemorrhage in rats. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 674-684.	1.9	43
36	Hyperbaric oxygen therapy in experimental and clinical stroke. <i>Medical Gas Research</i> , 2016, 6, 111.	1.2	43

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37	Treatment of secondary brain injury by perturbing postsynaptic density protein-95-NMDA receptor interaction after intracerebral hemorrhage in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1588-1601.	2.4	42
38	Attenuation of Early Brain Injury and Learning Deficits Following Experimental Subarachnoid Hemorrhage Secondary to Cystatin C: Possible Involvement of the Autophagy Pathway. <i>Molecular Neurobiology</i> , 2014, 49, 1043-1054.	1.9	41
39	Cyclophilin A/Cluster of Differentiation 147 Interactions Participate in Early Brain Injury After Subarachnoid Hemorrhage in Rats. <i>Critical Care Medicine</i> , 2015, 43, e369-e381.	0.4	41
40	Influence of Melatonin on Cerebrovascular Proinflammatory Mediators Expression and Oxidative Stress Following Subarachnoid Hemorrhage in Rabbits. <i>Mediators of Inflammation</i> , 2009, 2009, 1-6.	1.4	40
41	HMGB1 promotes neurovascular remodeling via Rage in the late phase of subarachnoid hemorrhage. <i>Brain Research</i> , 2017, 1670, 135-145.	1.1	40
42	Roles of programmed death protein 1/programmed death-ligand 1 in secondary brain injury after intracerebral hemorrhage in rats: selective modulation of microglia polarization to anti-inflammatory phenotype. <i>Journal of Neuroinflammation</i> , 2017, 14, 36.	3.1	38
43	Neuroprotection provided by isoflurane pre-conditioning and post-conditioning. <i>Medical Gas Research</i> , 2017, 7, 48.	1.2	35
44	RIP3 participates in early brain injury after experimental subarachnoid hemorrhage in rats by inducing necroptosis. <i>Neurobiology of Disease</i> , 2019, 129, 144-158.	2.1	35
45	Pramipexole-Induced Hypothermia Reduces Early Brain Injury via PI3K/AKT/GSK3 β pathway in Subarachnoid Hemorrhage rats. <i>Scientific Reports</i> , 2016, 6, 23817.	1.6	33
46	Tumor necrosis factor receptor-associated factor 6 participates in early brain injury after subarachnoid hemorrhage in rats through inhibiting autophagy and promoting oxidative stress. <i>Journal of Neurochemistry</i> , 2017, 142, 478-492.	2.1	33
47	Mfsd2a Attenuates Blood-Brain Barrier Disruption After Sub-arachnoid Hemorrhage by Inhibiting Caveolae-Mediated Transcellular Transport in Rats. <i>Translational Stroke Research</i> , 2020, 11, 1012-1027.	2.3	32
48	Interleukin-33 reduces neuronal damage and white matter injury via selective microglia M2 polarization after intracerebral hemorrhage in rats. <i>Brain Research Bulletin</i> , 2019, 150, 127-135.	1.4	30
49	GATA-4 regulates neuronal apoptosis after intracerebral hemorrhage via the NF- κ B/Bax/Caspase-3 pathway both in vivo and in vitro. <i>Experimental Neurology</i> , 2019, 315, 21-31.	2.0	29
50	TMEM16F Aggravates Neuronal Loss by Mediating Microglial Phagocytosis of Neurons in a Rat Experimental Cerebral Ischemia and Reperfusion Model. <i>Frontiers in Immunology</i> , 2020, 11, 1144.	2.2	28
51	Roles of Prokineticin 2 in Subarachnoid Hemorrhage-Induced Early Brain Injury via Regulation of Phenotype Polarization in Astrocytes. <i>Molecular Neurobiology</i> , 2020, 57, 3744-3758.	1.9	27
52	Matrix metalloproteinase-9 regulates the blood brain barrier via the hedgehog pathway in a rat model of traumatic brain injury. <i>Brain Research</i> , 2020, 1727, 146553.	1.1	26
53	Rbfox-1 contributes to CaMKII β expression and intracerebral hemorrhage-induced secondary brain injury via blocking micro-RNA-124. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 530-545.	2.4	26
54	The Role of Omega-3 Polyunsaturated Fatty Acids in Stroke. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-8.	1.9	25

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55	A1 adenosine receptor attenuates intracerebral hemorrhage-induced secondary brain injury in rats by activating the P38-MAPKAP2-Hsp27 pathway. <i>Molecular Brain</i> , 2016, 9, 66.	1.3	25
56	Critical role for Annexin A7 in secondary brain injury mediated by its phosphorylation after experimental intracerebral hemorrhage in rats. <i>Neurobiology of Disease</i> , 2018, 110, 82-92.	2.1	25
57	Possible Role of Raf-1 Kinase in the Development of Cerebral Vasospasm and Early Brain Injury After Experimental Subarachnoid Hemorrhage in Rats. <i>Molecular Neurobiology</i> , 2015, 52, 1527-1539.	1.9	24
58	Loss of Ribosomal RACK1 (Receptor for Activated Protein Kinase C 1) Induced by Phosphorylation at T50 Alleviates Cerebral Ischemia-Reperfusion Injury in Rats. <i>Stroke</i> , 2019, 50, 162-171.	1.0	24
59	The role of hydrogen sulfide in stroke. <i>Medical Gas Research</i> , 2016, 6, 79.	1.2	24
60	Leucine-rich repeat kinase 2 aggravates secondary brain injury induced by intracerebral hemorrhage in rats by regulating the P38 MAPK/Drosha pathway. <i>Neurobiology of Disease</i> , 2018, 119, 53-64.	2.1	21
61	Neurovascular Units and Neural-Glia Networks in Intracerebral Hemorrhage: from Mechanisms to Translation. <i>Translational Stroke Research</i> , 2021, 12, 447-460.	2.3	21
62	Hyperbaric oxygen therapy applied research in traumatic brain injury: from mechanisms to clinical investigation. <i>Medical Gas Research</i> , 2014, 4, 18.	1.2	20
63	Hydrogen therapy: from mechanism to cerebral diseases. <i>Medical Gas Research</i> , 2016, 6, 48.	1.2	20
64	Macrophage stimulating protein preserves blood brain barrier integrity after intracerebral hemorrhage through receptor d'origine nantais dependent GAB1/Src/Î²â€catenin pathway activation in a mouse model. <i>Journal of Neurochemistry</i> , 2019, 148, 114-126.	2.1	19
65	Nox2 and Nox4 Participate in ROS-Induced Neuronal Apoptosis and Brain Injury During Ischemia-Reperfusion in Rats. <i>Acta Neurochirurgica Supplementum</i> , 2020, 127, 47-54.	0.5	18
66	Miro1 Regulates Neuronal Mitochondrial Transport and Distribution to Alleviate Neuronal Damage in Secondary Brain Injury After Intracerebral Hemorrhage in Rats. <i>Cellular and Molecular Neurobiology</i> , 2021, 41, 795-812.	1.7	18
67	Nogo-A/Pir-B/TrkB Signaling Pathway Activation Inhibits Neuronal Survival and Axonal Regeneration After Experimental Intracerebral Hemorrhage in Rats. <i>Journal of Molecular Neuroscience</i> , 2019, 69, 360-370.	1.1	17
68	Sodium/Hydrogen Exchanger 1 Participates in Early Brain Injury after Subarachnoid Hemorrhage both in vivo and in vitro via Promoting Neuronal Apoptosis. <i>Cell Transplantation</i> , 2019, 28, 985-1001.	1.2	16
69	Detrimental Role of miRNA-144-3p in Intracerebral Hemorrhage Induced Secondary Brain Injury is Mediated by Formyl Peptide Receptor 2 Downregulation Both <i>In Vivo</i> and <i>In Vitro</i> . <i>Cell Transplantation</i> , 2019, 28, 723-738.	1.2	16
70	Novel Therapeutic Strategies for Ischemic Stroke: Recent Insights into Autophagy. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-15.	1.9	16
71	Cerebral cavernous malformation 3 relieves subarachnoid hemorrhage-induced neuroinflammation in rats through inhibiting NF-ÎB signaling pathway. <i>Brain Research Bulletin</i> , 2020, 160, 74-84.	1.4	15
72	Galectin-9 Promotes Neuronal Restoration via Binding TLR-4 in a Rat Intracerebral Hemorrhage Model. <i>NeuroMolecular Medicine</i> , 2021, 23, 267-284.	1.8	15

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73	TREM2 modulates neuroinflammation with elevated IRAK3 expression and plays a neuroprotective role after experimental SAH in rats. <i>Neurobiology of Disease</i> , 2022, 171, 105809.	2.1	15
74	Activated WNK3 induced by intracerebral hemorrhage deteriorates brain injury maybe via WNK3/SPAK/NKCC1 pathway. <i>Experimental Neurology</i> , 2020, 332, 113386.	2.0	14
75	Evidence for the role of phosphatidylcholine-specific phospholipase in experimental subarachnoid hemorrhage in rats. <i>Experimental Neurology</i> , 2015, 272, 145-151.	2.0	13
76	Deletion of Mst1 attenuates neuronal loss and improves neurological impairment in a rat model of traumatic brain injury. <i>Brain Research</i> , 2018, 1688, 15-21.	1.1	13
77	Ischemia-induced cleavage of OPA1 at S1 site aggravates mitochondrial fragmentation and reperfusion injury in neurons. <i>Cell Death and Disease</i> , 2022, 13, 321.	2.7	13
78	Inhibition of EPAC2 Attenuates Intracerebral Hemorrhage-Induced Secondary Brain Injury via the p38/BIM/Caspase-3 Pathway. <i>Journal of Molecular Neuroscience</i> , 2019, 67, 353-363.	1.1	12
79	Potential application value of xenon in stroke treatment. <i>Medical Gas Research</i> , 2018, 8, 116.	1.2	12
80	Loss of MIC60 Aggravates Neuronal Death by Inducing Mitochondrial Dysfunction in a Rat Model of Intracerebral Hemorrhage. <i>Molecular Neurobiology</i> , 2021, 58, 4999-5013.	1.9	10
81	BMAL1 attenuates intracerebral hemorrhage-induced secondary brain injury in rats by regulating the Nrf2 signaling pathway. <i>Annals of Translational Medicine</i> , 2021, 9, 1617-1617.	0.7	10
82	An Update On Medical Treatment for Intracerebral Hemorrhage. <i>Translational Stroke Research</i> , 2018, 9, 549-554.	2.3	8
83	Nix Plays a Neuroprotective Role in Early Brain Injury After Experimental Subarachnoid Hemorrhage in Rats. <i>Frontiers in Neuroscience</i> , 2020, 14, 245.	1.4	8
84	Enhancing S-nitrosoglutathione reductase decreases S-nitrosylation of Drp1 and reduces neuronal apoptosis in experimental subarachnoid hemorrhage both in vivo and in vitro. <i>Brain Research Bulletin</i> , 2022, 183, 184-200.	1.4	8
85	Therapeutic Potentials of Synapses after Traumatic Brain Injury: A Comprehensive Review. <i>Neural Plasticity</i> , 2017, 2017, 1-8.	1.0	7
86	Role of hydrogen in traumatic brain injury: a narrative review. <i>Medical Gas Research</i> , 2021, 11, 114.	1.2	7
87	Role of Rph3A in brain injury induced by experimental cerebral ischemia-reperfusion model in rats. <i>CNS Neuroscience and Therapeutics</i> , 2022, , .	1.9	7
88	Aquaporin 4 Depolarization-Enhanced Transferrin Infiltration Leads to Neuronal Ferroptosis after Subarachnoid Hemorrhage in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-14.	1.9	7
89	The role of nitrous oxide in stroke. <i>Medical Gas Research</i> , 2017, 7, 273.	1.2	6
90	Proteomic-Based Approaches for the Study of Ischemic Stroke. <i>Translational Stroke Research</i> , 2019, 10, 601-606.	2.3	6

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91	The role of hyperbaric oxygen therapy in inflammatory bowel disease: a narrative review. <i>Medical Gas Research</i> , 2021, 11, 66.	1.2	6
92	Unbalanced Regulation of Sec22b and Ykt6 Blocks Autophagosome Axonal Retrograde Flux in Neuronal Ischemia-Induced Reperfusion Injury. <i>Journal of Neuroscience</i> , 2022, 42, 5641-5654.	1.7	6
93	The Blood Component Iron Causes Neuronal Apoptosis Following Intracerebral Hemorrhage via the PERK Pathway. <i>Frontiers in Neurology</i> , 2020, 11, 588548.	1.1	5
94	Roles of Ruffy3 in experimental subarachnoid hemorrhage-induced early brain injury via accelerating neuronal axon repair and synaptic plasticity. <i>Molecular Brain</i> , 2022, 15, 35.	1.3	5
95	Heterogeneous nuclear ribonucleoprotein A1 exerts protective role in intracerebral hemorrhage-induced secondary brain injury in rats. <i>Brain Research Bulletin</i> , 2020, 165, 169-177.	1.4	4
96	Mitochondrial-Based Therapeutic Strategies for Intracerebral Hemorrhage. <i>Translational Stroke Research</i> , 2022, 13, 214-215.	2.3	4
97	RAB7L1 Participates in Secondary Brain Injury Induced by Experimental Intracerebral Hemorrhage in Rats. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 9-18.	1.1	3
98	Upregulation of Sec22b plays a neuroprotective role in a rat model of traumatic brain injury via inducing protective autophagy. <i>Brain Research Bulletin</i> , 2021, 166, 29-36.	1.4	3
99	Effects of PAK1/LIMK1/Cofilin-mediated Actin Homeostasis on Axonal Injury after Experimental Intracerebral Hemorrhage. <i>Neuroscience</i> , 2022, 490, 155-170.	1.1	3
100	Loss of monocarboxylate transporter 1 aggravates white matter injury after experimental subarachnoid hemorrhage in rats. <i>Frontiers of Medicine</i> , 2021, 15, 887-902.	1.5	3
101	Soluble SIRP-Alpha Promotes Murine Acute Lung Injury Through Suppressing Macrophage Phagocytosis. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	3
102	Thioredoxin 1 regulates the pentose phosphate pathway via ATM phosphorylation after experimental subarachnoid hemorrhage in rats. <i>Brain Research Bulletin</i> , 2022, 185, 162-173.	1.4	2
103	Translational Hemorrhagic Stroke: Physiology, Pharmaceutical Drugs, and Management. <i>BioMed Research International</i> , 2017, 2017, 1-1.	0.9	1
104	Fraxinellone ameliorates intracerebral hemorrhage-induced secondary brain injury by regulating Krüppel-like transcription factor 2 expression in rats. <i>Brain Research Bulletin</i> , 2021, 177, 340-351.	1.4	1
105	Letter to Cell Death Pathways in Ischemic Stroke and Targeted Pharmacotherapy. <i>Translational Stroke Research</i> , 2021, , 1.	2.3	1
106	Inhibition of LRRK2-Rab10 Pathway Improves Secondary Brain Injury After Surgical Brain Injury in Rats. <i>Frontiers in Surgery</i> , 2021, 8, 749310.	0.6	1
107	Letter to AAV/BBB-Mediated Gene Transfer of CHIP Attenuates Brain Injury Following Experimental Intracerebral Hemorrhage. <i>Translational Stroke Research</i> , 2022, 13, 213-213.	2.3	0
108	Protective Prognostic Biomarkers Negatively Correlated with Macrophage M2 Infiltration in Low-Grade Glioma. <i>Journal of Oncology</i> , 2022, 2022, 1-22.	0.6	0