Xiaokun Geng

List of Publications by Year
in descending order

113 papers	2,764 citations	172207 29 h-index	243296 44 g-index
117 all docs	117 docs citations	117 times ranked	3319 citing authors

#	Article	IF	Citations
1	NOX Activation by Subunit Interaction and Underlying Mechanisms in Disease. Frontiers in Cellular Neuroscience, 2016, 10, 301.	1.8	165
2	Preconditioning in neuroprotection: From hypoxia to ischemia. Progress in Neurobiology, 2017, 157, 79-91.	2.8	156
3	Curcumin Protects against Ischemic Stroke by Titrating Microglia/Macrophage Polarization. Frontiers in Aging Neuroscience, 2017, 9, 233.	1.7	128
4	Hypoxia Inducible Factor-1Î± (HIF-1Î±) Mediates NLRP3 Inflammasome-Dependent-Pyroptotic and Apoptotic Cell Death Following Ischemic Stroke. Neuroscience, 2020, 448, 126-139.	1.1	109
5	Endovascular Hypothermia in Acute Ischemic Stroke. Stroke, 2016, 47, 1933-1935.	1.0	90
6	PM_{2.5} exposure induces systemic inflammation and oxidative stress in an intracranial atherosclerosis rat model. Environmental Toxicology, 2019, 34, 530-538.	2.1	82
7	Neuroprotective Effect of Acute Ethanol Administration in a Rat With Transient Cerebral Ischemia. Stroke, 2012, 43, 205-210.	1.0	68
8	Screening circular RNA expression patterns following focal cerebral ischemia in mice. Oncotarget, 2017, 8, 86535-86547.	0.8	68
9	Cerebral Gluconeogenesis and Diseases. Frontiers in Pharmacology, 2016, 7, 521.	1.6	55
10	Exercise rehabilitation immediately following ischemic stroke exacerbates inflammatory injury. Neurological Research, 2017, 39, 530-537.	0.6	53
11	Motor Imagery-Based Rehabilitation: Potential Neural Correlates and Clinical Application for Functional Recovery of Motor Deficits after Stroke. , 2017, 8, 364.		51
12	Neuroprotection conferred by postâ€ischemia ethanol therapy in experimental stroke: an inhibitory effect on hyperglycolysis and <scp>NADPH</scp> oxidase activation. Journal of Neurochemistry, 2013, 126, 113-121.	2.1	47
13	Neuroinflammation caused by mental stress: the effect of chronic restraint stress and acute repeated social defeat stress in mice. Neurological Research, 2019, 41, 762-769.	0.6	47
14	The cerebral circulation and cerebrovascular disease I: Anatomy. Brain Circulation, 2017, 3, 45.	0.7	47
15	Splenic responses play an important role in remote ischemic preconditioning-mediated neuroprotection against stroke. Journal of Neuroinflammation, 2018, 15, 167.	3.1	42
16	High Intensity Physical Rehabilitation Later Than 24 h Post Stroke Is Beneficial in Patients: A Pilot Randomized Controlled Trial (RCT) Study in Mild to Moderate Ischemic Stroke. Frontiers in Neurology, 2019, 10, 113.	1.1	42
17	Synergetic Neuroprotection of Normobaric Oxygenation and Ethanol in Ischemic Stroke Through Improved Oxidative Mechanism. Stroke, 2013, 44, 1418-1425.	1.0	41
18	Reduced apoptosis by combining normobaric oxygenation with ethanol in transient ischemic stroke. Brain Research, 2013, 1531, 17-24.	1.1	39

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19	Preischemic exercise reduces brain damage by ameliorating metabolic disorder in ischemia/reperfusion injury. Journal of Neuroscience Research, 2013, 91, 818-827.	1.3	38
20	Ethanol and Normobaric Oxygen. Stroke, 2015, 46, 492-499.	1.0	37
21	Splenectomy Fails to Provide Long-Term Protection Against Ischemic Stroke. , 2018, 9, 467.		36
22	Exacerbation of Brain Injury by Post-Stroke Exercise Is Contingent Upon Exercise Initiation Timing. Frontiers in Cellular Neuroscience, 2017, 11, 311.	1.8	35
23	The cerebral circulation and cerebrovascular disease III: Stroke. Brain Circulation, 2017, 3, 66.	0.7	33
24	Effect of remote ischemic postconditioning on an intracerebral hemorrhage stroke model in rats. Neurological Research, 2012, 34, 143-148.	0.6	32
25	Pharmacological hypothermia: a potential for future stroke therapy?. Neurological Research, 2016, 38, 478-490.	0.6	32
26	Hibernation-like neuroprotection in stroke by attenuating brain metabolic dysfunction. Progress in Neurobiology, 2017, 157, 174-187.	2.8	32
27	Analysis of long non-coding RNA expression profiles following focal cerebral ischemia in mice. Neuroscience Letters, 2018, 665, 123-129.	1.0	32
28	Enhanced beneficial effects of mild hypothermia by phenothiazine drugs in stroke therapy. Neurological Research, 2015, 37, 454-460.	0.6	31
29	Combining Normobaric Oxygen with Ethanol or Hypothermia Prevents Brain Damage from Thromboembolic Stroke via PKC-Akt-NOX Modulation. Molecular Neurobiology, 2017, 54, 1263-1277.	1.9	31
30	Neuroprotection by Chlorpromazine and Promethazine in Severe Transient and Permanent Ischemic Stroke. Molecular Neurobiology, 2017, 54, 8140-8150.	1.9	31
31	Therapeutic Target and Cell-signal Communication of Chlorpromazine and Promethazine in Attenuating Bloodâ€“Brain Barrier Disruption after Ischemic Stroke. Cell Transplantation, 2019, 28, 145-156.	1.2	31
32	A neuroproteomic and systems biology analysis of rat brain post intracerebral hemorrhagic stroke. Brain Research Bulletin, 2014, 102, 46-56.	1.4	30
33	A mini review: garlic extract and vascular diseases. Neurological Research, 2018, 40, 421-425.	0.6	29
34	The cerebral circulation and cerebrovascular disease II: Pathogenesis of cerebrovascular disease. Brain Circulation, 2017, 3, 57.	0.7	28
35	Early rehabilitation aggravates brain damage after stroke via enhanced activation of nicotinamide adenine dinucleotide phosphate oxidase (NOX). Brain Research, 2016, 1648, 266-276.	1.1	27
36	Enhanced apoptosis from early physical exercise rehabilitation following ischemic stroke. Journal of Neuroscience Research, 2017, 95, 1017-1024.	1.3	27

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37	Intravenous Administration of Standard Dose Tirofiban after Mechanical Arterial Recanalization is Safe and Relatively Effective in Acute Ischemic Stroke. , 2019, 10, 1049.		27
38	In Search of a Dose: The Functional and Molecular Effects of Exercise on Post-stroke Rehabilitation in Rats. Frontiers in Cellular Neuroscience, 2020, 14, 186.	1.8	27
39	Progress in AQP Research and New Developments in Therapeutic Approaches to Ischemic and Hemorrhagic Stroke. International Journal of Molecular Sciences, 2016, 17, 1146.	1.8	26
40	Hypoxia-Inducible Factor 1Î± and 2Î± Have Beneficial Effects in Remote Ischemic Preconditioning Against Stroke by Modulating Inflammatory Responses in Aged Rats. Frontiers in Aging Neuroscience, 2020, 12, 54.	1.7	26
41	PM2.5 inhalation induces intracranial atherosclerosis which may be ameliorated by omega 3 fatty acids. Oncotarget, 2018, 9, 3765-3778.	0.8	26
42	A more consistent intraluminal rhesus monkey model of ischemic stroke. Neural Regeneration Research, 2014, 9, 2087.	1.6	26
43	Frequencies of circulating B- and T-lymphocytes as indicators for stroke outcomes. Neuropsychiatric Disease and Treatment, 2017, Volume 13, 2509-2518.	1.0	24
44	NIHSS Consciousness Score Combined with ASPECTS is a Favorable Predictor of Functional Outcome post Endovascular Recanalization in Stroke Patients. , 2021, 12, 415.		23
45	Remote ischemic conditioning reduced cerebral ischemic injury by modulating inflammatory responses and ERK activity in type 2 diabetic mice. Neurochemistry International, 2020, 135, 104690.	1.9	22
46	Effect of Normobaric Oxygen Therapy in a Rat Model of Intracerebral Hemorrhage. Stroke, 2011, 42, 1469-1472.	1.0	21
47	Stroke is a global epidemic: new developments in clinical and translational cerebrovascular diseases research. Neurological Research, 2017, 39, 475-476.	0.6	21
48	Reduced cerebral monocarboxylate transporters and lactate levels by ethanol and normobaric oxygen therapy in severe transient and permanent ischemic stroke. Brain Research, 2015, 1603, 65-75.	1.1	20
49	Panax notoginseng saponins and their applications in nervous system disorders: a narrative review. Annals of Translational Medicine, 2020, 8, 1525-1525.	0.7	20
50	Omega-3 fatty acid supplement prevents development of intracranial atherosclerosis. Neuroscience, 2016, 334, 226-235.	1.1	19
51	Pyruvate dehydrogenase complex in cerebral ischemia-reperfusion injury. Brain Circulation, 2016, 2, 61.	0.7	19
52	Combination therapy of normobaric oxygen with hypothermia or ethanol modulates pyruvate dehydrogenase complex in thromboembolic cerebral ischemia. Journal of Neuroscience Research, 2016, 94, 749-758.	1.3	18
53	Neuroplastic Effect of Exercise Through Astrocytes Activation and Cellular Crosstalk. , 2021, 12, 1644.		18
54	Phosphoenolpyruvate Carboxykinase (PCK) in the Brain Gluconeogenic Pathway Contributes to Oxidative and Lactic Injury After Stroke. Molecular Neurobiology, 2021, 58, 2309-2321.	1.9	17

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55	Phenothiazine Inhibits Neuroinflammation and Inflammasome Activation Independent of Hypothermia After Ischemic Stroke. Molecular Neurobiology, 2021, 58, 6136-6152.	1.9	17
56	Efficacy of neuromuscular electrical stimulation in improving the negative psychological state in patients with cerebral infarction and dysphagia. Neurological Research, 2018, 40, 473-479.	0.6	16
57	Synergistically Induced Hypothermia and Enhanced Neuroprotection by Pharmacological and Physical Approaches in Stroke. , 2018, 9, 578.		16
58	The changes of systemic immune responses during the neuroprotection induced by remote ischemic postconditioning against focal cerebral ischemia in mice. Neurological Research, 2019, 41, 26-36.	0.6	16
59	Combined Approach to Eptifibatide and Thrombectomy in Acute Ischemic Stroke Because of Large Vessel Occlusion: A Matched-Control Analysis. Stroke, 2022, 53, 1580-1588.	1.0	16
60	Therapeutic effect of tPA in ischemic stroke is enhanced by its combination with normobaric oxygen and hypothermia or ethanol. Brain Research, 2015, 1627, 31-40.	1.1	15
61	Comparison of Self-Expanding Stents With Distal Embolic Protection to Balloon-Expandable Stents Without a Protection Device in the Treatment of Symptomatic Vertebral Artery Origin Stenosis. Journal of Endovascular Therapy, 2015, 22, 436-444.	0.8	15
62	Filtered air intervention reduces inflammation and hypothalamusâ€“pituitaryâ€“adrenal axis activation in adult male and female rats after PM 2.5 exposure. Environmental Science and Pollution Research, 2020, 27, 35341-35348.	2.7	15
63	Adjuvant High-Flow Normobaric Oxygen After Mechanical Thrombectomy for Anterior Circulation Stroke: a Randomized Clinical Trial. Neurotherapeutics, 2021, 18, 1188-1197.	2.1	15
64	Role of Forkhead Box Protein O1 (FoxO1) in Stroke: A Literature Review. , 2022, 13, 521.		15
65	Perspectives on benefit of early and prereperfusion hypothermia by pharmacological approach in stroke. Brain Circulation, 2022, 8, 69.	0.7	15
66	The effectiveness of cortico-cortical evoked potential in detecting seizure onset zones. Neurological Research, 2018, 40, 480-490.	0.6	14
67	Remote Ischemic Postconditioning vs. Physical Exercise After Stroke: an Alternative Rehabilitation Strategy?. Molecular Neurobiology, 2021, 58, 3141-3157.	1.9	14
68	Reduced Apoptosis by Ethanol and Its Association with PKC-Î´ and Akt Signaling in Ischemic Stroke. , 2014, 5, 366-372.		14
69	Clinical application of nitric oxide in ischemia and reperfusion injury: A literature review. Brain Circulation, 2020, 6, 248.	0.7	14
70	Nicotinamide adenine dinucleotide phosphate oxidase activation and neuronal death after ischemic stroke. Neural Regeneration Research, 2019, 14, 948.	1.6	13
71	Omega-3 fatty acid supplement reduces activation of NADPH oxidase in intracranial atherosclerosis stenosis. Neurological Research, 2018, 40, 499-507.	0.6	12
72	Neuroprotective Effects of Exercise Postconditioning After Stroke via SIRT1-Mediated Suppression of Endoplasmic Reticulum (ER) Stress. Frontiers in Cellular Neuroscience, 2021, 15, 598230.	1.8	12

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73	Clinical potential of pre-reperfusion hypothermia in ischemic injury. Neurological Research, 2019, 41, 697-703.	0.6	11
74	Reduced Apoptotic Injury by Phenothiazine in Ischemic Stroke through the NOX-Akt/PKC Pathway. Brain Sciences, 2019, 9, 378.	1.1	11
75	Immunosuppression and Neuroinflammation in Stroke Pathobiology. Experimental Neurobiology, 2021, 30, 101-112.	0.7	11
76	Spanning from the West to East: An Updated Review on Endovascular Treatment of Intracranial Atherosclerotic Disease. , 2017, 8, 196.		10
77	Remote ischemic conditioning with exercise (RICE) promotes functional rehabilitation following ischemic stroke. Neurological Research, 2021, 43, 874-883.	0.6	10
78	An inhibitory and beneficial effect of chlorpromazine and promethazine (CÂ+ÂP) on hyperglycolysis through HIF-1Î± regulation in ischemic stroke. Brain Research, 2021, 1763, 147463.	1.1	10
79	Mini review (Part I): An experimental concept on exercise and ischemic conditioning in stroke rehabilitation. Brain Circulation, 2020, 6, 242.	0.7	10
80	Detrimental and Beneficial Effect of Autophagy and a Potential Therapeutic Target after Ischemic Stroke. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-10.	0.5	9
81	Artificial Hibernation by Phenothiazines: A Potential Neuroprotective Therapy Against Cerebral Inflammation in Stroke. Current Neurovascular Research, 2019, 16, 232-240.	0.4	9
82	Filtered air intervention modulates hypothalamic-pituitary-thyroid/gonadal axes by attenuating inflammatory responses in adult rats after fine particulate matter (PM2.5) exposure. Environmental Science and Pollution Research, 2022, 29, 74851-74860.	2.7	9
83	Ongoing progress in cleaning Chinaâ€²s air: A novel outlook into pollution. Environmental Disease, 2016, 1, 43.	0.1	8
84	From big data to battling disease: notes from the frontiers of cerebrovascular science. Neurological Research, 2019, 41, 679-680.	0.6	7
85	Neuroprotective Effects of Pharmacological Hypothermia on Hyperglycolysis and Gluconeogenesis in Rats after Ischemic Stroke. Biomolecules, 2022, 12, 851.	1.8	7
86	Remote ischemic preconditioning protects against ischemic stroke in streptozotocin-induced diabetic mice via anti-inflammatory response and anti-apoptosis. Brain Research, 2019, 1724, 146429.	1.1	6
87	Chlorpromazine and promethazine reduces Brain injury through RIP1-RIP3 regulated activation of NLRP3 inflammasome following ischemic stroke. Neurological Research, 2021, 43, 668-676.	0.6	6
88	Local endovascular infusion and hypothermia in stroke therapy: A systematic review. Brain Circulation, 2019, 5, 68.	0.7	6
89	Weight loss: indication of brain damage and effect of combined normobaric oxygen and ethanol therapy after stroke. Neurological Research, 2015, 37, 441-446.	0.6	5
90	Phenothiazines Enhance the Hypothermic Preservation of Liver Grafts: A Pilot in Vitro Study. Cell Transplantation, 2019, 28, 318-327.	1.2	5

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91	Remote Ischemic Conditioning With Exercise (RICE)â€"Rehabilitative Strategy in Patients With Acute Ischemic Stroke: Rationale, Design, and Protocol for a Randomized Controlled Study. Frontiers in Neurology, 2021, 12, 654669.	1.1	5
92	Hypoxia-inducible factor-1 Î± and RIP3 triggers NLRP3 inflammasome in ischemic stroke. Brain Circulation, 2018, 4, 191.	0.7	5
93	Brain and disease: an insight into new developments in the pathogenesis and novel therapies for neurological disorders. Neurological Research, 2018, 40, 419-420.	0.6	4
94	Neuroprotective Effects of Early Hypothermia Induced by Phenothiazines and DHC in Ischemic Stroke. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-10.	0.5	4
95	Enhanced Cerebral Microbleeds by Long-Term Air Pollution Exposure in Spontaneously Hypertensive Rats. Neurological Research, 2022, 44, 196-205.	0.6	4
96	Low dose concomitant treatment with chlorpromazine and promethazine is safe in acute ischemic stroke. Journal of Neurosurgical Sciences, 2019, 63, 265-269.	0.3	4
97	A new clinically relevant model for intracranial atherosclerosis in rats. Neurological Research, 2016, 38, 817-822.	0.6	3
98	Acute Anterior Choroidal Artery Territory Infarction: A Retrospective Study. Clinical Neurology and Neurosurgery, 2020, 195, 105826.	0.6	3
99	Forkhead Box 1(FoxO1) mediates psychological stress-induced neuroinflammation. Neurological Research, 2022, 44, 483-495.	0.6	3
100	Brain ultrasound for diagnosis and prognosis in the neurological intensive care unit: a mini review for current development. Neurological Research, 2019, 41, 691-696.	0.6	2
101	Apolipoprotein E polymorphism carriers exhibit objective cognitive deficits: a single center trial. Neurological Research, 2020, 42, 676-682.	0.6	2
102	Factors influencing the outcome of cardiogenic cerebral embolism: a literature review. Neurological Research, 2022, 44, 187-195.	0.6	2
103	Abstract TMP8: High Flow Normobaric Oxygen (NBO) Therapy Provides Effective Neuroprotection After Endovascular Recanalization in Acute Ischemic Stroke. Stroke, 2019, 50, .	1.0	2
104	The pursuit of cures for cerebral disease persists, even through a pandemic. Neurological Research, 2020, 42, 619-620.	0.6	1
105	Normobaric Oxygen (NBO) Therapy Reduces Cerebral Ischemia/Reperfusion Injury through Inhibition of Early Autophagy. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-11.	0.5	1
106	Extracranial Carotid Plaque Hemorrhage Is Independently Associated With Poor 3-month Functional Outcome After Acute Ischemic Strokeâ€"A Prospective Cohort Study. Frontiers in Neurology, 2021, 12, 780436.	1.1	1
107	Reperfusion and reperfusion injury after ischemic stroke. Environmental Disease, 2022, 7, 33.	0.1	1
108	Chlorpromazine and Promethazine (C+P) Reduce Brain Injury after Ischemic Stroke through the PKC-Î´/NOX/MnSOD Pathway. Mediators of Inflammation, 2022, 2022, 1-15.	1.4	1

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109	Rapid Intervention of Chlorpromazine and Promethazine for Hibernation-Like Effect in Stroke: Rationale, Design, and Protocol for a Prospective Randomized Controlled Trial. Frontiers in Neurology, 2021, 12, 621476.	1.1	0
110	Rapid Intravenous Glyceryl Trinitrate in Ischemic Damage (RIGID) After Stroke: Rationale, Design and Protocol for a Prospective Randomized Controlled Trial. Frontiers in Neurology, 2021, 12, 693330.	1.1	0
111	Current AQP research: therapeutic approaches to ischemic and hemorrhagic stroke. Neural Regeneration Research, 2016, 11, 1918.	1.6	0
112	White Matter Hyperintensities (WMH) and clinical outcome after vestibular neuritis. Neurological Research, 2022, , 1-8.	0.6	0
113	Passing Extracranial Artery Occlusion by Intermediate Catheter With Expanding Microballoon (PEACE): A Novel Endovascular Therapy in Acute Tandem Occlusion Stroke. Journal of Endovascular Therapy, 2021, , 152660282110648.	0.8	0