

Wenwu Liu

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,122
citations

236833

25
h-index

265120

42
g-index

46
all docs

46
docs citations

46
times ranked

2138
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroprotective effects of hydrogen saline in neonatal hypoxia-ischemia rat model. <i>Brain Research</i> , 2009, 1256, 129-137.	1.1	210
2	Hydrogen therapy reduces apoptosis in neonatal hypoxia-ischemia rat model. <i>Neuroscience Letters</i> , 2008, 441, 167-172.	1.0	203
3	Hydrogen-rich saline protects against intestinal ischemia/reperfusion injury in rats. <i>Free Radical Research</i> , 2009, 43, 478-484.	1.5	148
4	Hydrogen-Rich Saline Protects Myocardium Against Ischemia/Reperfusion Injury in Rats. <i>Experimental Biology and Medicine</i> , 2009, 234, 1212-1219.	1.1	143
5	Sulforaphane protects brains against hypoxic-ischemic injury through induction of Nrf2-dependent phase 2 enzyme. <i>Brain Research</i> , 2010, 1343, 178-185.	1.1	130
6	Hyperbaric oxygen preconditioning induces tolerance against brain ischemia-reperfusion injury by upregulation of antioxidant enzymes in rats. <i>Brain Research</i> , 2008, 1210, 223-229.	1.1	117
7	Hydrogen-rich saline ameliorates the severity of l-arginine-induced acute pancreatitis in rats. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 308-313.	1.0	109
8	Methane attenuates myocardial ischemia injury in rats through anti-oxidative, anti-apoptotic and anti-inflammatory actions. <i>Free Radical Biology and Medicine</i> , 2016, 90, 1-11.	1.3	91
9	Hyperbaric oxygen preconditioning reduces ischemia-reperfusion injury by inhibition of apoptosis via mitochondrial pathway in rat brain. <i>Neuroscience</i> , 2009, 159, 1309-1315.	1.1	88
10	Cyclooxygenase-2 Mediates Hyperbaric Oxygen Preconditioning in the Rat Model of Transient Global Cerebral Ischemia. <i>Stroke</i> , 2011, 42, 484-490.	1.0	85
11	Lactulose ameliorates cerebral ischemia-reperfusion injury in rats by inducing hydrogen by activating Nrf2 expression. <i>Free Radical Biology and Medicine</i> , 2013, 65, 731-741.	1.3	85
12	The Effects of Hydrogen-Rich Saline on the Contractile and Structural Changes of Intestine Induced by Ischemia-Reperfusion in Rats. <i>Journal of Surgical Research</i> , 2011, 167, 316-322.	0.8	58
13	Helium preconditioning protects mouse liver against ischemia and reperfusion injury through the PI3K/Akt pathway. <i>Journal of Hepatology</i> , 2014, 61, 1048-1055.	1.8	55
14	Effect of Hydrogen-Rich Water on Oxidative Stress, Liver Function, and Viral Load in Patients with Chronic Hepatitis B. <i>Clinical and Translational Science</i> , 2013, 6, 372-375.	1.5	52
15	Silencing of plasminogen activator inhibitor-1 suppresses colorectal cancer progression and liver metastasis. <i>Surgery</i> , 2015, 158, 1704-1713.	1.0	40
16	Is methane a new therapeutic gas?. <i>Medical Gas Research</i> , 2012, 2, 25.	1.2	37
17	Application of medical gases in the field of neurobiology. <i>Medical Gas Research</i> , 2011, 1, 13.	1.2	36
18	Hydrogen saline offers neuroprotection by reducing oxidative stress in a focal cerebral ischemia-reperfusion rat model. <i>Medical Gas Research</i> , 2011, 1, 15.	1.2	36

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19	Inhalation of high concentrations of hydrogen ameliorates liver ischemia/reperfusion injury through A2A receptor mediated PI3K-Akt pathway. <i>Biochemical Pharmacology</i> , 2017, 130, 83-92.	2.0	36
20	Mechanism of hyperbaric oxygen preconditioning in neonatal hypoxia-induced ischemia rat model. <i>Brain Research</i> , 2008, 1196, 151-156.	1.1	33
21	Recombinant Osteopontin Attenuates Brain Injury after Intracerebral Hemorrhage in Mice. <i>Neurocritical Care</i> , 2011, 14, 109-117.	1.2	29
22	Helium preconditioning attenuates hypoxia/ischemia-induced injury in the developing brain. <i>Brain Research</i> , 2011, 1376, 122-129.	1.1	27
23	Consumption of Hydrogen Water Reduces Paraquat-Induced Acute Lung Injury in Rats. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-7.	3.0	27
24	Decompression Illness: Clinical Aspects of 5278 Consecutive Cases Treated in a Single Hyperbaric Unit. <i>PLoS ONE</i> , 2012, 7, e50079.	1.1	27
25	Repetitive hyperbaric oxygen exposures enhance sensitivity to convulsion by upregulation of eNOS and nNOS. <i>Brain Research</i> , 2008, 1201, 128-134.	1.1	25
26	High-concentration hydrogen protects mouse heart against ischemia/reperfusion injury through activation of the PI3K/Akt1 pathway. <i>Scientific Reports</i> , 2017, 7, 14871.	1.6	25
27	Xenon preconditioning: molecular mechanisms and biological effects. <i>Medical Gas Research</i> , 2013, 3, 3.	1.2	20
28	Saturated hydrogen saline protects the lung against oxygen toxicity. <i>Undersea and Hyperbaric Medicine</i> , 2010, 37, 185-92.	0.1	20
29	Hyperoxia preconditioning: the next frontier in neurology?. <i>Neurological Research</i> , 2012, 34, 415-421.	0.6	16
30	Hyperbaric oxygen preconditioning protects the lung against acute pancreatitis induced injury via attenuating inflammation and oxidative stress in a nitric oxide dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 93-100.	1.0	16
31	SC5b-9-Induced Pulmonary Microvascular Endothelial Hyperpermeability Participates in Ventilator-Induced Lung Injury. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 1421-1431.	0.9	15
32	Protective Effects of Hydrogen on Fetal Brain Injury During Maternal Hypoxia. <i>Acta Neurochirurgica Supplementum</i> , 2011, 111, 307-311.	0.5	13
33	Nrf2 as a converging node for cellular signaling pathways of gasotransmitters. <i>Medical Hypotheses</i> , 2012, 79, 308-310.	0.8	13
34	Helium preconditioning protects the brain against hypoxia/ischemia injury via improving the neurovascular niche in a neonatal rat model. <i>Behavioural Brain Research</i> , 2016, 314, 165-172.	1.2	12
35	Hydrogen gas protects against delayed encephalopathy after acute carbon monoxide poisoning in a rat model. <i>Neurological Research</i> , 2020, 42, 22-30.	0.6	9
36	Role of Mitophagy in the Pathogenesis of Stroke: From Mechanism to Therapy. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-13.	1.9	8

#	ARTICLE	IF	CITATIONS
37	Protective effects of pulmonary surfactant on decompression sickness in rats. <i>Journal of Applied Physiology</i> , 2021, 130, 400-407.	1.2	5
38	Targeting reactive oxygen species by edaravone inhalation in a rat hyperoxic lung injury model: role of inflammasome. <i>Undersea and Hyperbaric Medicine</i> , 2013, 40, 505-11.	0.1	5
39	Heliox Preconditioning Exerts Neuroprotective Effects on Neonatal Ischemia/Hypoxia Injury by Inhibiting Necroptosis Induced by Ca ²⁺ Elevation. <i>Translational Stroke Research</i> , 2023, 14, 409-424.	2.3	5
40	Lung macrophages are involved in lung injury secondary to repetitive diving. <i>Journal of Zhejiang University: Science B</i> , 2020, 21, 646-656.	1.3	4
41	Protective effect of hydrogen sulfide on hyperbaric hyperoxia-induced lung injury in a rat model. <i>Undersea and Hyperbaric Medicine</i> , 2014, 41, 573-8.	0.1	4
42	Hydrogen Element and Hydrogen Gas. , 2015, , 1-23.		2
43	Absorption and Release of Hydrogen Gas in Body. , 2015, , 25-34.		2
44	Effects of hyperbaric oxygen on uric acid and arachidonic acid: a metabolomic study in rats and humans. <i>Metabolomics</i> , 2010, 6, 375-385.	1.4	1
45	Application of Exhaled Nitric Oxide in Pulmonary Oxygen Toxicity. <i>Aviation, Space, and Environmental Medicine</i> , 2012, 83, 531-531.	0.6	0
46	Cosmetic effect of hyperbaric oxygen. <i>Cell Stress and Chaperones</i> , 2013, 18, 127-128.	1.2	0