

Xuejun Sun

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

3,559
citations

117625

34
h-index

144013

57
g-index

85
all docs

85
docs citations

85
times ranked

2834
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnesium Hydride Ameliorates Endotoxin-Induced Acute Respiratory Distress Syndrome by Inhibiting Inflammation, Oxidative Stress, and Cell Apoptosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-16.	4.0	8
2	Molecular hydrogen regulates PTENâ€AKTâ€mTOR signaling via ROS to alleviate peritoneal dialysisâ€related peritoneal fibrosis. <i>FASEB Journal</i> , 2020, 34, 4134-4146.	0.5	21
3	Hydrogen medicine: A rising star in gas medicine. <i>Traditional Medicine and Modern Medicine</i> , 2020, 03, 153-161.	0.2	6
4	Effect of helium preconditioning on neurological decompression sickness in rats. <i>Journal of Applied Physiology</i> , 2019, 126, 934-940.	2.5	5
5	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.	4.4	36
6	Molecular mechanisms underlying the protective effects of hydrogen-saturated saline on noise-induced hearing loss. <i>Acta Oto-Laryngologica</i> , 2017, 137, 1063-1068.	0.9	11
7	High-concentration hydrogen protects mouse heart against ischemia/reperfusion injury through activation of thePI3K/Akt1 pathway. <i>Scientific Reports</i> , 2017, 7, 14871.	3.3	25
8	Hydrogen-rich saline improves non-alcoholic fatty liver disease by alleviating oxidative stress and activating hepatic PPAR α and PPAR β . <i>Molecular Medicine Reports</i> , 2017, 15, 1305-1312.	2.4	28
9	Inhalation of water electrolysis-derived hydrogen ameliorates cerebral ischemiaâ€reperfusion injury in rats â€ A possible new hydrogen resource for clinical use. <i>Neuroscience</i> , 2016, 335, 232-241.	2.3	53
10	Neuroprotective Effect of Hydrogen-Rich Saline in Global Cerebral Ischemia/Reperfusion Rats: Up-Regulated Tregs and Down-Regulated miR-21, miR-210 and NF- κ B Expression. <i>Neurochemical Research</i> , 2016, 41, 2655-2665.	3.3	45
11	Coral calcium hydride prevents hepatic steatosis in high fat diet-induced obese rats: A potent mitochondrial nutrient and phase II enzyme inducer. <i>Biochemical Pharmacology</i> , 2016, 103, 85-97.	4.4	27
12	Hyperbaric oxygen preconditioning ameliorates hypoxiaâ€ischemia brain damage by activating Nrf2 expression <i>in vivo</i> and <i>in vitro</i> . <i>Free Radical Research</i> , 2016, 50, 454-466.	3.3	18
13	Hydrogen-Rich Saline Attenuated Subarachnoid Hemorrhage-Induced Early Brain Injury in Rats by Suppressing Inflammatory Response: Possible Involvement of NF- κ B Pathway and NLRP3 Inflammasome. <i>Molecular Neurobiology</i> , 2016, 53, 3462-3476.	4.0	133
14	Molecular hydrogen stabilizes atherosclerotic plaque in low-density lipoprotein receptor-knockout mice. <i>Free Radical Biology and Medicine</i> , 2015, 87, 58-68.	2.9	42
15	Methods of Hydrogen Application. , 2015, , 99-107.		0
16	Therapeutic Effects of Hydrogen on Different Diseases. , 2015, , 81-97.		0
17	Hydrogen Element and Hydrogen Gas. , 2015, , 1-23.		2
18	Future Directions in Hydrogen Studies. , 2015, , 109-117.		0

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19	Inhalation of hydrogen gas ameliorates glyoxylate-induced calcium oxalate deposition and renal oxidative stress in mice. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 2680-9.	0.5	21
20	Hydrogen-Saturated Saline Protects Intensive Narrow Band Noise-Induced Hearing Loss in Guinea Pigs through an Antioxidant Effect. <i>PLoS ONE</i> , 2014, 9, e100774.	2.5	14
21	Neuroprotective Effect of Hydrogen-Rich Saline against Neurologic Damage and Apoptosis in Early Brain Injury following Subarachnoid Hemorrhage: Possible Role of the Akt/GSK3 β Signaling Pathway. <i>PLoS ONE</i> , 2014, 9, e96212.	2.5	77
22	Intrathecal Infusion of Hydrogen-Rich Normal Saline Attenuates Neuropathic Pain via Inhibition of Activation of Spinal Astrocytes and Microglia in Rats. <i>PLoS ONE</i> , 2014, 9, e97436.	2.5	34
23	Review and prospect of the biomedical effects of hydrogen. <i>Medical Gas Research</i> , 2014, 4, 19.	2.3	16
24	Protective effects of hydrogen-rich saline in uncontrolled hemorrhagic shock. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 1253-1258.	1.8	12
25	Protective effects of hydrogen enriched saline on liver ischemia reperfusion injury by reducing oxidative stress and HMGB1 release. <i>BMC Gastroenterology</i> , 2014, 14, 12.	2.0	36
26	Progress in the study of biological effects of hydrogen on higher plants and its promising application in agriculture. <i>Medical Gas Research</i> , 2014, 4, 15.	2.3	35
27	A review of experimental studies of hydrogen as a new therapeutic agent in emergency and critical care medicine. <i>Medical Gas Research</i> , 2014, 4, 17.	2.3	24
28	Pretreatment with hydrogen-rich saline reduces the damage caused by glycerol-induced rhabdomyolysis and acute kidney injury in rats. <i>Journal of Surgical Research</i> , 2014, 188, 243-249.	1.6	24
29	Helium preconditioning protects mouse liver against ischemia and reperfusion injury through the PI3K/Akt pathway. <i>Journal of Hepatology</i> , 2014, 61, 1048-1055.	3.7	55
30	Xenon preconditioning: molecular mechanisms and biological effects. <i>Medical Gas Research</i> , 2013, 3, 3.	2.3	20
31	Lactulose Mediates Suppression of Dextran Sodium Sulfate-Induced Colon Inflammation by Increasing Hydrogen Production. <i>Digestive Diseases and Sciences</i> , 2013, 58, 1560-1568.	2.3	40
32	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.	2.9	85
33	Protective effects of hydrogen-rich saline on ulcerative colitis rat model. <i>Journal of Surgical Research</i> , 2013, 185, 174-181.	1.6	20
34	Hydrogen as additive of HTK solution fortifies myocardial preservation in grafts with prolonged cold ischemia. <i>International Journal of Cardiology</i> , 2013, 167, 383-390.	1.7	24
35	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.	3.1	52
36	Hydrogen-rich saline attenuates vascular smooth muscle cell proliferation and neointimal hyperplasia by inhibiting reactive oxygen species production and inactivating the Ras-ERK1/2-MEK1/2 and Akt pathways. <i>International Journal of Molecular Medicine</i> , 2013, 31, 597-606.	4.0	27

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37	Hydrogen-Rich Saline Attenuated Neuropathic Pain by Reducing Oxidative Stress. <i>Canadian Journal of Neurological Sciences</i> , 2013, 40, 857-863.	0.5	15
38	Molecular Hydrogen Is Involved in Phytohormone Signaling and Stress Responses in Plants. <i>PLoS ONE</i> , 2013, 8, e71038.	2.5	78
39	Oral intake of hydrogen-rich water inhibits intimal hyperplasia in arterialized vein grafts in rats. <i>Cardiovascular Research</i> , 2012, 94, 144-153.	3.8	44
40	Hydrogen Saline Treatment Attenuates Hyperoxia-Induced Retinopathy by Inhibition of Oxidative Stress and Reduction of VEGF Expression. <i>Ophthalmic Research</i> , 2012, 47, 122-127.	1.9	12
41	Protective Effects of Hydrogen Saline on Diabetic Retinopathy in a Streptozotocin-Induced Diabetic Rat Model. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2012, 28, 76-82.	1.4	16
42	Hyperoxia preconditioning: the next frontier in neurology?. <i>Neurological Research</i> , 2012, 34, 415-421.	1.3	16
43	Hydrogen-supplemented drinking water protects cardiac allografts from inflammation-associated deterioration. <i>Transplant International</i> , 2012, 25, 1213-1222.	1.6	43
44	Hydrogen decreases athero-susceptibility in apolipoprotein B-containing lipoproteins and aorta of apolipoprotein E knockout mice. <i>Atherosclerosis</i> , 2012, 221, 55-65.	0.8	32
45	Protective Effects of Hydrogen Rich Saline Solution on Experimental Testicular Ischemia-Reperfusion Injury in Rats. <i>Journal of Urology</i> , 2012, 187, 2249-2253.	0.4	27
46	Hydrogen-rich saline attenuates radiation-induced male germ cell loss in mice through reducing hydroxyl radicals. <i>Biochemical Journal</i> , 2012, 442, 49-56.	3.7	57
47	Hydrogen-Rich Saline Attenuates Lung Ischemia-Reperfusion Injury in Rabbits. <i>Journal of Surgical Research</i> , 2012, 174, e11-e16.	1.6	20
48	Hydrogen-rich saline protects retina against glutamate-induced excitotoxic injury in guinea pig. <i>Experimental Eye Research</i> , 2012, 94, 117-127.	2.6	26
49	Hydrogen-rich saline protects against oxidative damage and cognitive deficits after mild traumatic brain injury. <i>Brain Research Bulletin</i> , 2012, 88, 560-565.	3.0	53
50	Hydrogen-rich saline protects against ultraviolet B radiation injury in rats. <i>Journal of Biomedical Research</i> , 2012, 26, 365-371.	1.6	19
51	Hydrogen-rich saline protects spermatogenesis and hematopoiesis in irradiated BALB/c mice. <i>Medical Science Monitor</i> , 2012, 18, BR89-BR94.	1.1	27
52	Molecular hydrogen and radiation protection. <i>Free Radical Research</i> , 2012, 46, 1061-1067.	3.3	35
53	Beneficial effect of hydrogen-rich saline on cerebral vasospasm after experimental subarachnoid hemorrhage in rats. <i>Journal of Neuroscience Research</i> , 2012, 90, 1670-1680.	2.9	31
54	Anti-inflammation effects of hydrogen saline in LPS activated macrophages and carrageenan induced paw oedema. <i>Journal of Inflammation</i> , 2012, 9, 2.	3.4	39

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55	Lactulose: an effective preventive and therapeutic option for ischemic stroke by production of hydrogen. <i>Medical Gas Research</i> , 2012, 2, 3.	2.3	12
56	Hydrogen-rich medium protects human skin fibroblasts from high glucose or mannitol induced oxidative damage. <i>Biochemical and Biophysical Research Communications</i> , 2011, 409, 350-355.	2.1	41
57	Hydrogen inhalation ameliorates lipopolysaccharide-induced acute lung injury in mice. <i>International Immunopharmacology</i> , 2011, 11, 2130-2137.	3.8	59
58	Anti-inflammatory effect of hydrogen-rich saline in a rat model of regional myocardial ischemia and reperfusion. <i>International Journal of Cardiology</i> , 2011, 148, 91-95.	1.7	103
59	Anti-Apoptotic Effect of Hyperbaric Oxygen Preconditioning on a Rat Model of Myocardial Infarction. <i>Journal of Surgical Research</i> , 2011, 171, 41-46.	1.6	13
60	Hydrogen-Rich Saline Provides Protection Against Hyperoxic Lung Injury. <i>Journal of Surgical Research</i> , 2011, 165, e43-e49.	1.6	56
61	The Effect of Hydrogen-Rich Saline on the Brain of Rats with Transient Ischemia. <i>Journal of Surgical Research</i> , 2011, 168, e95-e101.	1.6	48
62	The protective role of hydrogen-rich saline in experimental liver injury in mice. <i>Journal of Hepatology</i> , 2011, 54, 471-480.	3.7	147
63	Hydrogen therapy may be a promising, safe and effective treatment for diabetic erectile dysfunction: a hypothesis. <i>Alternative Medicine Studies</i> , 2011, 1, 11.	0.2	0
64	Helium preconditioning attenuates hypoxia/ischemia-induced injury in the developing brain. <i>Brain Research</i> , 2011, 1376, 122-129.	2.2	27
65	H ₂ inhibits TNF- α -induced lectin-like oxidized LDL receptor-1 expression by inhibiting nuclear factor κ B activation in endothelial cells. <i>Biotechnology Letters</i> , 2011, 33, 1715-1722.	2.2	28
66	Hydrogen-Rich Saline is Cerebroprotective in a Rat Model of Deep Hypothermic Circulatory Arrest. <i>Neurochemical Research</i> , 2011, 36, 1501-1511.	3.3	29
67	Hydrogen saline offers neuroprotection by reducing oxidative stress in a focal cerebral ischemia-reperfusion rat model. <i>Medical Gas Research</i> , 2011, 1, 15.	2.3	36
68	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
69	Hydrogen-Rich Saline Protects Against Spinal Cord Injury in Rats. <i>Neurochemical Research</i> , 2010, 35, 1111-1118.	3.3	74
70	Hyperbaric Oxygen Preconditioning Promotes Survival of Retinal Ganglion Cells in a Rat Model of Optic Nerve Crush. <i>Journal of Neurotrauma</i> , 2010, 27, 763-770.	3.4	30
71	Hydrogen as a novel and effective treatment of acute carbon monoxide poisoning. <i>Medical Hypotheses</i> , 2010, 75, 235-237.	1.5	15
72	Oral administration of mannitol may be an effective treatment for ischemia-reperfusion injury. <i>Medical Hypotheses</i> , 2010, 75, 620-622.	1.5	11

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73	Hyperbaric Oxygen Preconditioning Attenuates Early Apoptosis after Spinal Cord Ischemia in Rats. <i>Journal of Neurotrauma</i> , 2009, 26, 55-66.	3.4	68
74	Hydrogen-Rich Saline Protects Myocardium Against Ischemia/Reperfusion Injury in Rats. <i>Experimental Biology and Medicine</i> , 2009, 234, 1212-1219.	2.4	143
75	Neuroprotective effects of hydrogen saline in neonatal hypoxia-ischemia rat model. <i>Brain Research</i> , 2009, 1256, 129-137.	2.2	210
76	Hydrogen gas is ineffective in moderate and severe neonatal hypoxia-ischemia rat models. <i>Brain Research</i> , 2009, 1259, 90-97.	2.2	51
77	Hydrogen-rich saline protects against intestinal ischemia/reperfusion injury in rats. <i>Free Radical Research</i> , 2009, 43, 478-484.	3.3	148
78	Mechanism of hyperbaric oxygen preconditioning in neonatal hypoxia-ischemia rat model. <i>Brain Research</i> , 2008, 1196, 151-156.	2.2	33
79	Repetitive hyperbaric oxygen exposures enhance sensitivity to convulsion by upregulation of eNOS and nNOS. <i>Brain Research</i> , 2008, 1201, 128-134.	2.2	25
80	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.	2.2	117
81	Up-regulated HIF-1 α is involved in the hypoxic tolerance induced by hyperbaric oxygen preconditioning. <i>Brain Research</i> , 2008, 1212, 71-78.	2.2	72
82	Hyperbaric oxygen preconditioning promotes angiogenesis in rat liver after partial hepatectomy. <i>Life Sciences</i> , 2008, 83, 236-241.	4.3	37
83	Hydrogen therapy reduces apoptosis in neonatal hypoxia-ischemia rat model. <i>Neuroscience Letters</i> , 2008, 441, 167-172.	2.1	203
84	Hyperbaric Oxygen Preconditioning Alleviates Myocardial Ischemic Injury in Rats. <i>Experimental Biology and Medicine</i> , 2008, 233, 1448-1453.	2.4	28
85	Hydrogen: From a Biologically Inert Gas to a Unique Antioxidant. , 0, , .		2