

Yonghao Yu

List of Publications by Year in descending order

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84
papers

1,943
citations

257101

24
h-index

315357

38
g-index

96
all docs

96
docs citations

96
times ranked

1868
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy Activation Improves Lung Injury and Inflammation in Sepsis. <i>Inflammation</i> , 2019, 42, 426-439.	1.7	99
2	Inhalation of hydrogen gas attenuates brain injury in mice with cecal ligation and puncture via inhibiting neuroinflammation, oxidative stress and neuronal apoptosis. <i>Brain Research</i> , 2014, 1589, 78-92.	1.1	92
3	Intraoperative hypothermia and its clinical outcomes in patients undergoing general anesthesia: National study in China. <i>PLoS ONE</i> , 2017, 12, e0177221.	1.1	88
4	Tau Contributes to Sevoflurane-induced Neurocognitive Impairment in Neonatal Mice. <i>Anesthesiology</i> , 2020, 133, 595-610.	1.3	78
5	Molecular hydrogen attenuates sepsis-induced neuroinflammation through regulation of microglia polarization through an mTOR-autophagy-dependent pathway. <i>International Immunopharmacology</i> , 2020, 81, 106287.	1.7	75
6	Involvement of the blood-brain barrier opening in cognitive decline in aged rats following orthopedic surgery and high concentration of sevoflurane inhalation. <i>Brain Research</i> , 2014, 1551, 13-24.	1.1	73
7	Molecular hydrogen protects mice against polymicrobial sepsis by ameliorating endothelial dysfunction via an Nrf2/HO-1 signaling pathway. <i>International Immunopharmacology</i> , 2015, 28, 643-654.	1.7	64
8	Hydrogen Gas Presents a Promising Therapeutic Strategy for Sepsis. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	56
9	The Effect of Autophagy on Inflammation Cytokines in Renal Ischemia/Reperfusion Injury. <i>Inflammation</i> , 2016, 39, 347-356.	1.7	55
10	Hydrogen gas reduces HMGB1 release in lung tissues of septic mice in an Nrf2/HO-1-dependent pathway. <i>International Immunopharmacology</i> , 2019, 69, 11-18.	1.7	53
11	Hydrogen-rich Saline Alleviated the Hyperpathia and Microglia Activation via Autophagy Mediated Inflammasome Inactivation in Neuropathic Pain Rats. <i>Neuroscience</i> , 2019, 421, 17-30.	1.1	47
12	Dexmedetomidine alleviates LPS-induced apoptosis and inflammation in macrophages by eliminating damaged mitochondria via PINK1 mediated mitophagy. <i>International Immunopharmacology</i> , 2019, 73, 471-481.	1.7	44
13	Hydrogen gas inhalation attenuates sepsis-induced liver injury in a FUNDC1-dependent manner. <i>International Immunopharmacology</i> , 2019, 71, 61-67.	1.7	43
14	Nrf2/HO-1 signaling pathway participated in the protection of hydrogen sulfide on neuropathic pain in rats. <i>International Immunopharmacology</i> , 2019, 75, 105746.	1.7	41
15	Protective effects of hydrogen gas against sepsis-induced acute lung injury via regulation of mitochondrial function and dynamics. <i>International Immunopharmacology</i> , 2018, 65, 366-372.	1.7	40
16	Hydrogen attenuates sepsis-associated encephalopathy by NRF2 mediated NLRP3 pathway inactivation. <i>Inflammation Research</i> , 2020, 69, 697-710.	1.6	40
17	Hydrogen gas alleviates blood-brain barrier impairment and cognitive dysfunction of septic mice in an Nrf2-dependent pathway. <i>International Immunopharmacology</i> , 2020, 85, 106585.	1.7	39
18	Effect of autophagy on allodynia, hyperalgesia and astrocyte activation in a rat model of neuropathic pain. <i>International Journal of Molecular Medicine</i> , 2018, 42, 2009-2019.	1.8	36

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19	Hydrogen gas inhibits high-mobility group box 1 release in septic mice by upregulation of heme oxygenase 1. <i>Journal of Surgical Research</i> , 2015, 196, 136-148.	0.8	35
20	Comparison of ciprofol (HSK3486) versus propofol for the induction of deep sedation during gastroscopy and colonoscopy procedures: A multi-centre, non-inferiority, randomized, controlled phase 3 clinical trial. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2022, 131, 138-148.	1.2	35
21	Hydrogen-rich saline attenuates chemotherapy-induced ovarian injury via regulation of oxidative stress. <i>Experimental and Therapeutic Medicine</i> , 2015, 10, 2277-2282.	0.8	32
22	Inhibition of DOR prevents remifentanyl induced postoperative hyperalgesia through regulating the trafficking and function of spinal NMDA receptors in vivo and in vitro. <i>Brain Research Bulletin</i> , 2015, 110, 30-39.	1.4	30
23	Hydrogen alleviates mitochondrial dysfunction and organ damage via autophagy-mediated NLRP3 inflammasome inactivation in sepsis. <i>International Journal of Molecular Medicine</i> , 2019, 44, 1309-1324.	1.8	29
24	The role of the Wnt/ β -catenin/Annexin A1 pathway in the process of sevoflurane-induced cognitive dysfunction. <i>Journal of Neurochemistry</i> , 2016, 137, 240-252.	2.1	28
25	Ferroptosis is involved in the development of neuropathic pain and allodynia. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 3149-3161.	1.4	28
26	Dexmedetomidine Added to Sufentanil Patient-Controlled Intravenous Analgesia Relieves the Postoperative Pain after Cesarean Delivery: A Prospective Randomized Controlled Multicenter Study. <i>Scientific Reports</i> , 2018, 8, 9952.	1.6	27
27	Hydrogen-Rich Saline Activated Autophagy via HIF-1 Pathways in Neuropathic Pain Model. <i>BioMed Research International</i> , 2018, 2018, 1-13.	0.9	26
28	Minocycline attenuates the development of diabetic neuropathy by inhibiting spinal cord Notch signaling in rat. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 380-385.	2.5	24
29	Hemopexin alleviates cognitive dysfunction after focal cerebral ischemia-reperfusion injury in rats. <i>BMC Anesthesiology</i> , 2019, 19, 13.	0.7	24
30	Dietary Supplementation With High Fiber Alleviates Oxidative Stress and Inflammatory Responses Caused by Severe Sepsis in Mice Without Altering Microbiome Diversity. <i>Frontiers in Physiology</i> , 2018, 9, 1929.	1.3	22
31	Sevoflurane postconditioning attenuates cerebral ischemia-reperfusion injury via protein kinase B/nuclear factor- κ B-related factor 2 pathway activation. <i>International Journal of Developmental Neuroscience</i> , 2014, 38, 79-86.	0.7	21
32	Protective effect of hydrogen-rich medium against high glucose-induced apoptosis of Schwann cells in vitro. <i>Molecular Medicine Reports</i> , 2015, 12, 3986-3992.	1.1	20
33	Establishment and Validation of a Prediction Equation to Estimate Risk of Intraoperative Hypothermia in Patients Receiving General Anesthesia. <i>Scientific Reports</i> , 2017, 7, 13927.	1.6	20
34	Hemopexin reduces blood-brain barrier injury and protects synaptic plasticity in cerebral ischemic rats by promoting EPCs through the HO-1 pathway. <i>Brain Research</i> , 2018, 1699, 177-185.	1.1	20
35	Drinking Hydrogen-Rich Water Alleviates Chemotherapy-Induced Neuropathic Pain Through the Regulation of Gut Microbiota. <i>Journal of Pain Research</i> , 2021, Volume 14, 681-691.	0.8	19
36	Hydrogen gas alleviates sepsis-induced neuroinflammation and cognitive impairment through regulation of DNMT1 and DNMT3a-mediated BDNF promoter IV methylation in mice. <i>International Immunopharmacology</i> , 2021, 95, 107583.	1.7	19

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37	Coenzyme Q10 alleviates sevoflurane-induced neuroinflammation by regulating the levels of apolipoprotein E and phosphorylated tau protein in mouse hippocampal neurons. <i>Molecular Medicine Reports</i> , 2020, 22, 445-453.	1.1	19
38	Hydrogen alleviates cell damage and acute lung injury in sepsis via PINK1/Parkin-mediated mitophagy. <i>Inflammation Research</i> , 2021, 70, 915-930.	1.6	17
39	Hydrogen treatment prevents lipopolysaccharide-induced pulmonary endothelial cell dysfunction through RhoA inhibition. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 499-505.	1.0	16
40	Hydrogen-rich saline reduces cell death through inhibition of DNA oxidative stress and overactivation of poly (ADP-ribose) polymerase-1 in retinal ischemia-reperfusion injury. <i>Molecular Medicine Reports</i> , 2015, 12, 2495-2502.	1.1	15
41	Sevoflurane-induced learning deficits and spine loss via nectin-1/corticotrophin-releasing hormone receptor type 1 signaling. <i>Brain Research</i> , 2019, 1710, 188-198.	1.1	15
42	Spinal CCL1/CCR8 regulates phosphorylation of GluA1-containing AMPA receptor in postoperative pain after tibial fracture and orthopedic surgery in mice. <i>Neuroscience Research</i> , 2020, 154, 20-26.	1.0	15
43	Combination therapy of molecular hydrogen and hyperoxia improves survival rate and organ damage in a zymosan-induced generalized inflammation model. <i>Experimental and Therapeutic Medicine</i> , 2016, 11, 2590-2596.	0.8	14
44	Itraq-Based Quantitative Proteomic Analysis of Lungs in Murine Polymicrobial Sepsis with Hydrogen Gas Treatment. <i>Shock</i> , 2018, 49, 187-195.	1.0	14
45	Protective effects of hydrogen-rich saline against experimental diabetic peripheral neuropathy via activation of the mitochondrial ATP-sensitive potassium channel channels in rats. <i>Molecular Medicine Reports</i> , 2020, 21, 282-290.	1.1	13
46	The role of PI3K-mediated AMPA receptor changes in post-conditioning of propofol in brain protection. <i>BMC Neuroscience</i> , 2019, 20, 51.	0.8	12
47	Molecular hydrogen alleviates brain injury and cognitive impairment in a chronic sequelae model of murine polymicrobial sepsis. <i>Experimental Brain Research</i> , 2020, 238, 2897-2908.	0.7	12
48	Effect of Preoperative Oral Carbohydrate Administration on Patients Undergoing Cesarean Section with Epidural Anesthesia: A Pilot Study. <i>Journal of Perianesthesia Nursing</i> , 2021, 36, 30-35.	0.3	12
49	Perspective of Molecular Hydrogen in the Treatment of Sepsis. <i>Current Pharmaceutical Design</i> , 2021, 27, 667-678.	0.9	12
50	Brain-derived extracellular vesicles mediated coagulopathy, inflammation and apoptosis after sepsis. <i>Thrombosis Research</i> , 2021, 207, 85-95.	0.8	12
51	Spinal NR2B phosphorylation at Tyr1472 regulates IRE(α)DMT1-mediated iron accumulation and spine morphogenesis via kalirin-7 in tibial fracture-associated postoperative pain after orthopedic surgery in female mice. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 363-373.	1.1	12
52	Internalization of GluA2 and the underlying mechanisms of cognitive decline in aged rats following surgery and prolonged exposure to sevoflurane. <i>NeuroToxicology</i> , 2015, 49, 94-103.	1.4	11
53	Hemopexin promotes angiogenesis via up-regulating HO-1 in rats after cerebral ischemia-reperfusion injury. <i>BMC Anesthesiology</i> , 2018, 18, 2.	0.7	11
54	Hydrogen Alleviates Neuronal Injury and Neuroinflammation Induced by Microglial Activation via the Nuclear Factor Erythroid 2-related Factor 2 Pathway in Sepsis-associated Encephalopathy. <i>Neuroscience</i> , 2021, 466, 87-100.	1.1	11

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55	Administration of HES in elderly patients undergoing hip arthroplasty under spinal anesthesia is not associated with an increase in renal injury. <i>BMC Anesthesiology</i> , 2017, 17, 29.	0.7	10
56	Downregulations of TRPM8 expression and membrane trafficking in dorsal root ganglion mediate the attenuation of cold hyperalgesia in CCI rats induced by GFR α 3 knockdown. <i>Brain Research Bulletin</i> , 2017, 135, 8-24.	1.4	10
57	PPAR α contributes to the therapeutic effect of hydrogen gas against sepsis-associated encephalopathy with the regulation to the CREB-BDNF signaling pathway and hippocampal neuron plasticity-related gene expression. <i>Brain Research Bulletin</i> , 2022, 184, 56-67.	1.4	10
58	Involvement of Spinal PKM θ Expression and Phosphorylation in Remifentanil-Induced Long-Term Hyperalgesia in Rats. <i>Cellular and Molecular Neurobiology</i> , 2017, 37, 643-653.	1.7	9
59	Protective effects of Coenzyme Q10 against sevoflurane-induced cognitive impairment through regulating apolipoprotein E and phosphorylated Tau expression in young mice. <i>International Journal of Developmental Neuroscience</i> , 2020, 80, 418-428.	0.7	9
60	Protective Effects of Hydrogen on Myocardial Mitochondrial Functions in Septic Mice. <i>BioMed Research International</i> , 2020, 2020, 1-7.	0.9	9
61	High concentration of hydrogen gas alleviates Lipopolysaccharide-induced lung injury via activating Nrf2 signaling pathway in mice. <i>International Immunopharmacology</i> , 2021, 101, 108198.	1.7	8
62	miR-424 inhibits apoptosis and inflammatory responses induced by sevoflurane through TLR4/MyD88/NF- κ B pathway. <i>BMC Anesthesiology</i> , 2022, 22, 52.	0.7	8
63	Correlation Analysis of Serum Vitamin D Levels and Postoperative Cognitive Disorder in Elderly Patients With Gastrointestinal Tumor. <i>Frontiers in Psychiatry</i> , 2022, 13, 893309.	1.3	8
64	The influence of dexmedetomidine on remifentanil-induced hyperalgesia and the sex differences. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 3596-3602.	0.8	7
65	LMA [®] protector [®] in patients undergoing laparoscopic surgeries: a multicenter prospective observational study. <i>BMC Anesthesiology</i> , 2021, 21, 318.	0.7	7
66	The Involvement of Caspases in Neuroinflammation and Neuronal Apoptosis in Chronic Pain and Potential Therapeutic Targets. <i>Frontiers in Pharmacology</i> , 2022, 13, 898574.	1.6	7
67	Intraperitoneal gardiquimod protects against hepatotoxicity through inhibition of oxidative stress and inflammation in mice with sepsis. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21923.	1.4	6
68	Hydrogen-rich medium alleviates high glucose-induced oxidative stress and parthanatos in rat Schwann cells <i>in vitro</i> . <i>Molecular Medicine Reports</i> , 2018, 19, 338-344.	1.1	6
69	Design and Development of Novel 1,3,5-Triazine-Procaïne Derivatives as Protective Agent against Myocardial Ischemia/Reperfusion Injury via Inhibitor of Nuclear Factor- κ B. <i>Pharmacology</i> , 2019, 104, 126-138.	0.9	6
70	<p>iTRAQ-Based Quantitative Proteomic Analysis of Intestines in Murine Polymicrobial Sepsis with Hydrogen Gas Treatment</p>. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 4885-4900.	2.0	6
71	Sleep Deprivation Aggravates Cognitive Impairment by the Alteration of Hippocampal Neuronal Activity and the Density of Dendritic Spine in Isoflurane-Exposed Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 589176.	1.0	6
72	Dexmedetomidine protects against burn-induced intestinal barrier injury via the MLCK/p-MLC signalling pathway. <i>Burns</i> , 2021, 47, 1576-1585.	1.1	6

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73	Spinal SNAP-25 regulates membrane trafficking of GluA1-containing AMPA receptors in spinal injury-induced neuropathic pain in rats. <i>Neuroscience Letters</i> , 2020, 715, 134616.	1.0	5
74	iTRAQ-based quantitative proteomic analysis of the therapeutic effects of 2% hydrogen gas inhalation on brain injury in septic mice. <i>Brain Research</i> , 2020, 1746, 147003.	1.1	5
75	A Role for Transmembrane Protein 16C/Slack Impairment in Excitatory Nociceptive Synaptic Plasticity in the Pathogenesis of Remifentanyl-induced Hyperalgesia in Rats. <i>Neuroscience Bulletin</i> , 2021, 37, 669-683.	1.5	5
76	P2Y1 purinergic receptor inhibition attenuated remifentanyl-induced postoperative hyperalgesia via decreasing NMDA receptor phosphorylation in dorsal root ganglion. <i>Brain Research Bulletin</i> , 2021, 177, 352-362.	1.4	5
77	Electroacupuncture alleviates morphine-induced hyperalgesia by regulating spinal CB1 μ 2 receptors and ERK1/2 activity. <i>Molecular Medicine Reports</i> , 2019, 20, 1113-1120.	1.1	4
78	Hydrogen enriched saline alleviates morphine tolerance via inhibiting neuroinflammation, GLT-1, GS nitration and NMDA receptor trafficking and functioning in the spinal cord of rats. <i>Neuroscience Letters</i> , 2021, 755, 135847.	1.0	4
79	Different Anesthetic Drugs Mediate Changes in Neuroplasticity During Cognitive Impairment in Sleep-Deprived Rats via Different Factors. <i>Medical Science Monitor</i> , 2021, 27, e932422.	0.5	4
80	Spinal caspase-3 contributes to tibial fracture-associated postoperative allodynia via up-regulation of LRRTM1 expression in mice. <i>Neuroscience Letters</i> , 2020, 739, 135429.	1.0	2
81	Effects of Dexmedetomidine as an Analgesic Adjuvant for Surgery of Femur Fracture: A Systematic Review and Meta-Analysis. <i>Pharmacology</i> , 2021, 106, 453-461.	0.9	2
82	P2Y1 Purinergic Receptor Contributes to Remifentanyl-Induced Cold Hyperalgesia via Transient Receptor Potential Melastatin 8-Dependent Regulation of N-methyl-d-aspartate Receptor Phosphorylation in Dorsal Root Ganglion. <i>Anesthesia and Analgesia</i> , 2021, 133, 794-810.	1.1	2
83	Neurotoxic 18-kDa apolipoprotein E fragment production contributes to anesthetic sevoflurane-induced tau phosphorylation and neuroinflammation in vitro. <i>Human and Experimental Toxicology</i> , 2022, 41, 096032712211025.	1.1	1
84	Exploration of Potential Molecular Targets of Dexmedetomidine in the Intestinal Repair of Burnt Rats. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 3197-3206.	1.6	0