

# Guoliang Meng

## List of Publications by Year in descending order

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59  
papers

2,409  
citations

201674

27  
h-index

214800

47  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2992  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Sulfide Induces Keap1 S-sulfhydration and Suppresses Diabetes-Accelerated Atherosclerosis via Nrf2 Activation. <i>Diabetes</i> , 2016, 65, 3171-3184.	0.6	249
2	The hydrogen sulfide donor, GYY4137, exhibits anti-atherosclerotic activity in high fat fed apolipoprotein E <sup>-/-</sup> mice. <i>British Journal of Pharmacology</i> , 2013, 169, 1795-1809.	5.4	151
3	Recent Update on the Pharmacological Effects and Mechanisms of Dihydropyridinone. <i>Frontiers in Pharmacology</i> , 2018, 9, 1204.	3.5	118
4	Distinct Types of Cell Death and the Implication in Diabetic Cardiomyopathy. <i>Frontiers in Pharmacology</i> , 2020, 11, 42.	3.5	118
5	Hydrogen sulfide pretreatment improves mitochondrial function in myocardial hypertrophy via a SIRT3-dependent manner. <i>British Journal of Pharmacology</i> , 2018, 175, 1126-1145.	5.4	106
6	Emerging role of hydrogen sulfide in hypertension and related cardiovascular diseases. <i>British Journal of Pharmacology</i> , 2015, 172, 5501-5511.	5.4	97
7	SIRT3 Mediates the Antioxidant Effect of Hydrogen Sulfide in Endothelial Cells. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 329-343.	5.4	94
8	GYY4137 protects against myocardial ischemia and reperfusion injury by attenuating oxidative stress and apoptosis in rats. <i>Journal of Biomedical Research</i> , 2015, 29, 203.	1.6	85
9	Sirtuin 3 deficiency exacerbates diabetic cardiomyopathy via necroptosis enhancement and NLRP3 activation. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 230-241.	6.1	83
10	Protein S-sulfhydration by hydrogen sulfide in cardiovascular system. <i>British Journal of Pharmacology</i> , 2018, 175, 1146-1156.	5.4	82
11	Hydrogen Sulfide Donor GYY4137 Protects against Myocardial Fibrosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-14.	4.0	70
12	pH-responsive hybrid quantum dots for targeting hypoxic tumor siRNA delivery. <i>Journal of Controlled Release</i> , 2015, 220, 529-544.	9.9	61
13	Hydrogen Sulfide Regulates Krüppel-Like Factor 5 Transcription Activity via Specificity Protein 1 S-sulfhydration at Cys664 to Prevent Myocardial Hypertrophy. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	59
14	Hippocampal Salt-Inducible Kinase 2 Plays a Role in Depression via the CREB-Regulated Transcription Coactivator 1-cAMP Response Element Binding-Brain-Derived Neurotrophic Factor Pathway. <i>Biological Psychiatry</i> , 2019, 85, 650-666.	1.3	52
15	Synergistic Effect of Medium, Matrix, and Exogenous Factors on the Adhesion and Growth of Human Pluripotent Stem Cells Under Defined, Xeno-Free Conditions. <i>Stem Cells and Development</i> , 2012, 21, 2036-2048.	2.1	51
16	Dihydropyridinone Attenuates Myocardial Hypertrophy Induced by Transverse Aortic Constriction via Oxidative Stress Inhibition and SIRT3 Pathway Enhancement. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2592.	4.1	50
17	Dihydropyridinone attenuated Ang II induced cardiac fibroblasts proliferation related to inhibitory of oxidative stress. <i>European Journal of Pharmacology</i> , 2017, 807, 159-167.	3.5	48
18	SNO-MLP (S-Nitrosylation of Muscle LIM Protein) Facilitates Myocardial Hypertrophy Through TLR3 (Toll-Like Receptor 3)-Mediated RIP3 (Receptor-Interacting Protein Kinase 3) and NLRP3 (NOD-Like) Tj ETQq0 0 QrgBT /Overlock 10 Tj		

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19	Raf-1/CK2 and RhoA/ROCK signaling promote TNF- $\alpha$ -mediated endothelial apoptosis via regulating vimentin cytoskeleton. <i>Toxicology</i> , 2017, 389, 74-84.	4.2	44
20	Hydrogen Sulfide As a Potential Target in Preventing Spermatogenic Failure and Testicular Dysfunction. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1447-1462.	5.4	39
21	Characterization of pumpkin polysaccharides and protective effects on streptozotocin-damaged islet cells. <i>Chinese Journal of Natural Medicines</i> , 2015, 13, 199-207.	1.3	35
22	Direct Renin Inhibition With Aliskiren Protects Against Myocardial Ischemia/Reperfusion Injury by Activating Nitric Oxide Synthase Signaling in Spontaneously Hypertensive Rats. <i>Journal of the American Heart Association</i> , 2014, 3, e000606.	3.7	34
23	Attenuating effects of dihydromyricetin on angiotensin II-induced rat cardiomyocyte hypertrophy related to antioxidative activity in a NO-dependent manner. <i>Pharmaceutical Biology</i> , 2015, 53, 904-912.	2.9	33
24	Exogenous Hydrogen Sulfide Supplement Attenuates Isoproterenol-Induced Myocardial Hypertrophy in a Sirtuin 3-Dependent Manner. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-17.	4.0	33
25	Exogenous hydrogen sulphide supplement accelerates skin wound healing via oxidative stress inhibition and vascular endothelial growth factor enhancement. <i>Experimental Dermatology</i> , 2019, 28, 776-785.	2.9	31
26	Effects of storage medium and UV photofunctionalization on time-related changes of titanium surface characteristics and biocompatibility. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 932-940.	3.4	29
27	Superparamagnetic iron oxide nanoparticle targeting of adipose tissue-derived stem cells in diabetes-associated erectile dysfunction. <i>Asian Journal of Andrology</i> , 2017, 19, 425.	1.6	29
28	Differential Expression of Neurotrophins in Penises of Streptozotocin-Induced Diabetic Rats. <i>Journal of Andrology</i> , 2006, 28, 306-312.	2.0	26
29	Ca <sup>2+</sup> /calmodulin-dependent protein kinase II regulation by inhibitor 1 of protein phosphatase 1 alleviates necroptosis in high glucose-induced cardiomyocytes injury. <i>Biochemical Pharmacology</i> , 2019, 163, 194-205.	4.4	25
30	Neuroprotective effect of mogrol against A $\beta$ <sup>1-42</sup> -induced memory impairment neuroinflammation and apoptosis in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 869-877.	2.4	25
31	SIRT3 deficiency delays diabetic skin wound healing via oxidative stress and necroptosis enhancement. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 4415-4427.	3.6	25
32	Soy Isoflavone Protects Myocardial Ischemia/Reperfusion Injury through Increasing Endothelial Nitric Oxide Synthase and Decreasing Oxidative Stress in Ovariectomized Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-14.	4.0	23
33	Repurposing drugs to target the malaria parasite unfolding protein response. <i>Scientific Reports</i> , 2018, 8, 10333.	3.3	23
34	RhoGDI stability is regulated by SUMOylation and ubiquitination via the AT1 receptor and participates in Ang II-induced smooth muscle proliferation and vascular remodeling. <i>Atherosclerosis</i> , 2019, 288, 124-136.	0.8	23
35	Protective Effects of 1-Methylnicotinamide on A $\beta$ <sup>1-42</sup> -Induced Cognitive Deficits, Neuroinflammation and Apoptosis in Mice. <i>Journal of NeuroImmune Pharmacology</i> , 2019, 14, 401-412.	4.1	23
36	Dihydromyricetin Improves Endothelial Dysfunction in Diabetic Mice via Oxidative Stress Inhibition in a SIRT3-Dependent Manner. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6699.	4.1	23

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37	Aliskiren improves endotheliumâ€dependent relaxation of thoracic aorta by activating PI3K/Akt/eNOS signal pathway in SHR. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016, 43, 450-458.	1.9	22
38	Protective role of hydrogen sulfide against diabetic cardiomyopathy via alleviating necroptosis. <i>Free Radical Biology and Medicine</i> , 2022, 181, 29-42.	2.9	22
39	Inhibitor 1 of Protein Phosphatase 1 Regulates Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase II to Alleviate Oxidative Stress in Hypoxia-Reoxygenation Injury of Cardiomyocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-19.	4.0	20
40	Protective role of sirtuin3 against oxidative stress and NLRP3 inflammasome in cholesterol accumulation and foam cell formation of macrophages with ox-LDL-stimulation. <i>Biochemical Pharmacology</i> , 2021, 192, 114665.	4.4	20
41	RyR2 Modulates a Ca <sup>2+</sup> -Activated K <sup>+</sup> Current in Mouse Cardiac Myocytes. <i>PLoS ONE</i> , 2014, 9, e94905.	2.5	18
42	The inhibition of macrophage foam cell formation by tetrahydroxystilbene glucoside is driven by suppressing vimentin cytoskeleton. <i>Biomedicine and Pharmacotherapy</i> , 2016, 83, 1132-1140.	5.6	17
43	Tetrahydroxystilbene glucoside inhibits TNF-Î±-induced migration of vascular smooth muscle cells via suppression of vimentin. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 155-160.	1.4	17
44	Aliskiren protects against myocardial ischaemiaâ€reperfusion injury via an endothelial nitric oxide synthase dependent manner. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 266-274.	1.9	15
45	Mogrol attenuates lipopolysaccharide (LPS)-induced memory impairment and neuroinflammatory responses in mice. <i>Journal of Asian Natural Products Research</i> , 2020, 22, 864-878.	1.4	15
46	Hippocampal Genetic Knockdown of PPARÎ³ Causes Depression-Like Behaviors and Neurogenesis Suppression. <i>International Journal of Neuropsychopharmacology</i> , 2019, 22, 372-382.	2.1	14
47	Synergistic Attenuation of Myocardial Fibrosis in Spontaneously Hypertensive Rats by Joint Treatment With Benazepril and Candesartan. <i>Journal of Cardiovascular Pharmacology</i> , 2009, 54, 16-24.	1.9	13
48	Sirtuin3 deficiency exacerbates carbon tetrachlorideâ€induced hepatic injury in mice. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019, 33, e22249.	3.0	11
49	RIPK3-Mediated Necroptosis in Diabetic Cardiomyopathy Requires CaMKII Activation. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	4.0	10
50	Demethylation treatment restores erectile function in a rat model of hyperhomocysteinemia. <i>Asian Journal of Andrology</i> , 2016, 18, 763.	1.6	10
51	Dentate nNOS accounts for stressâ€induced 5â€HT <sub>1A</sub> receptor deficiency: Implication in anxiety behaviors. <i>CNS Neuroscience and Therapeutics</i> , 2020, 26, 453-464.	3.9	9
52	Hydrogen Sulfide Attenuates Angiotensin II-Induced Cardiac Fibroblast Proliferation and Transverse Aortic Constriction-Induced Myocardial Fibrosis through Oxidative Stress Inhibition via Sirtuin 3. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-16.	4.0	9
53	Necroptosis Inhibition by Hydrogen Sulfide Alleviated Hypoxia-Induced Cardiac Fibroblasts Proliferation via Sirtuin 3. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11893.	4.1	9
54	Comparison of surgical effect and postoperative patient experience between laparoendoscopic single-site and conventional laparoscopic varicocelectomy: a systematic review and meta-analysis. <i>Asian Journal of Andrology</i> , 2017, 19, 248.	1.6	5

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55	Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase II Regulation by Inhibitor 1 of Protein Phosphatase 1 Protects Against Myocardial Ischemia-Induced Reperfusion Injury. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2019, 24, 460-473.	2.0	5
56	More evidence is urgently needed to confirm the relation between angiotensin-converting enzyme inhibitors and COVID-19. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 141, 110-111.	1.9	3
57	Lack of association between aryl hydrocarbon receptor gene Arg554Lys polymorphism and male infertility risk: A systematic review and meta-analysis. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2018, 223, 1-7.	1.1	1
58	Hydrogen sulfide promotes skin wound healing via inhibitory of oxidative stress. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-11-14.	0.0	0
59	Clinicopathological, Oncogenic, and 18F-FDG PET/CT Features of Primary Pulmonary Carcinoid in Resection Specimens. <i>Contrast Media and Molecular Imaging</i> , 2022, 2022, 1-10.	0.8	0