Li-Fang Hu

List of Publications by Year
in descending order

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52 papers	4,177 citations	109321 35 h-index	175258 52 g-index
54 all docs	54 docs citations	54 times ranked	5709 citing authors

#	Article	IF	Citations
1	Neuroprotective effects of hydrogen sulfide on Parkinsonâ€™s disease rat models. Aging Cell, 2010, 9, 135-146.	6.7	311
2	Application and interpretation of current autophagy inhibitors and activators. Acta Pharmacologica Sinica, 2013, 34, 625-635.	6.1	286
3	Hydrogen sulfide attenuates lipopolysaccharideâ€induced inflammation by inhibition of p38 mitogenâ€activated protein kinase in microglia. Journal of Neurochemistry, 2007, 100, 1121-1128.	3.9	278
4	Hydrogen Sulfide in the Mammalian Cardiovascular System. Antioxidants and Redox Signaling, 2012, 17, 141-185.	5.4	225
5	Hydrogen Sulfide Inhibits Rotenone-Induced Apoptosis via Preservation of Mitochondrial Function. Molecular Pharmacology, 2009, 75, 27-34.	2.3	215
6	Hydrogen Sulfide: Neurophysiology and Neuropathology. Antioxidants and Redox Signaling, 2011, 15, 405-419.	5.4	182
7	Hydrogen sulfide protects astrocytes against H2O2-induced neural injury via enhancing glutamate uptake. Free Radical Biology and Medicine, 2008, 45, 1705-1713.	2.9	170
8	Hydrogen sulfide protects MC3T3-E1 osteoblastic cells against H2O2-induced oxidative damageâ€”implications for the treatment of osteoporosis. Free Radical Biology and Medicine, 2011, 50, 1314-1323.	2.9	157
9	Hydrogen sulphide regulates calcium homeostasis in microglial cells. Glia, 2006, 54, 116-124.	4.9	138
10	Hydrogen sulfide interacts with nitric oxide in the heart: possible involvement of nitroxyl. Cardiovascular Research, 2010, 88, 482-491.	3.8	118
11	A Critical Role of Autophagy in Regulating Microglia Polarization in Neurodegeneration. Frontiers in Aging Neuroscience, 2018, 10, 378.	3.4	115
12	H₂S preconditioning-induced PKC activation regulates intracellular calcium handling in rat cardiomyocytes. American Journal of Physiology - Cell Physiology, 2008, 294, C169-C177.	4.6	106
13	Hydrogen sulfide inhibits the renal fibrosis of obstructive nephropathy. Kidney International, 2014, 85, 1318-1329.	5.2	103
14	Homocysteine Triggers Inflammatory Responses in Macrophages through Inhibiting CSE-H2S Signaling via DNA Hypermethylation of CSE Promoter. International Journal of Molecular Sciences, 2015, 16, 12560-12577.	4.1	101
15	Enhancement of glutamate uptake mediates the neuroprotection exerted by activating group II or III metabotropic glutamate receptors on astrocytes. Journal of Neurochemistry, 2005, 92, 948-961.	3.9	100
16	Dysregulation of cystathionine Î³-lyase (CSE)/hydrogen sulfide pathway contributes to ox-LDL-induced inflammation in macrophage. Cellular Signalling, 2013, 25, 2255-2262.	3.6	96
17	Neuroprotection by urate on 6â€<scp>OHDA</scp>â€lesioned rat model of Parkinson's disease: linking to Akt/<scp>GSK</scp>3Î² signaling pathway. Journal of Neurochemistry, 2012, 123, 876-885.	3.9	93
18	Parkinsonâ€™s disease-like motor and non-motor symptoms in rotenone-treated zebrafish. NeuroToxicology, 2017, 58, 103-109.	3.0	76

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19	A pivotal role of FOS-mediated BECN1/Beclin 1 upregulation in dopamine D2 and D3 receptor agonist-induced autophagy activation. Autophagy, 2015, 11, 2057-2073.	9.1	72
20	ASICs mediate the modulatory effect by paeoniflorin on alpha-synuclein autophagic degradation. Brain Research, 2011, 1396, 77-87.	2.2	65
21	A New Perspective for Parkinsonâ€™s Disease: Circadian Rhythm. Neuroscience Bulletin, 2017, 33, 62-72.	2.9	62
22	Elevated homocysteine levels in levodopa-treated idiopathic Parkinson's disease: a meta-analysis. Acta Neurologica Scandinavica, 2013, 128, 73-82.	2.1	57
23	Therapeutic Effect of Hydrogen Sulfide-Releasing L-Dopa Derivative ACS84 on 6-OHDA-Induced Parkinsonâ€™s Disease Rat Model. PLoS ONE, 2013, 8, e60200.	2.5	56
24	TNF compromises lysosome acidification and reduces Î±-synuclein degradation via autophagy in dopaminergic cells. Experimental Neurology, 2015, 271, 112-121.	4.1	55
25	Î±â€synuclein suppresses microglial autophagy and promotes neurodegeneration in a mouse model of Parkinsonâ€™s disease. Aging Cell, 2021, 20, e13522.	6.7	55
26	HDAC6 regulates aggresomeâ€autophagy degradation pathway of Î±â€synuclein in response to MPP⁺â€induced stress. Journal of Neurochemistry, 2011, 117, 112-120.	3.9	54
27	Disruption of the Circadian Clock Alters Antioxidative Defense via the SIRT1-BMAL1 Pathway in 6-OHDA-Induced Models of Parkinsonâ€™s Disease. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-11.	4.0	54
28	BMAL1 regulation of microgliaâ€mediated neuroinflammation in MPTPâ€induced Parkinson's disease mouse model. FASEB Journal, 2020, 34, 6570-6581.	0.5	54
29	Cyclooxygenase-2 mediates the delayed cardioprotection induced by hydrogen sulfide preconditioning in isolated rat cardiomyocytes. Pflugers Archiv European Journal of Physiology, 2008, 455, 971-978.	2.8	52
30	ATP-sensitive potassium channel opener iptakalim protected against the cytotoxicity of MPP+ on SH-SY5Y cells by decreasing extracellular glutamate level. Journal of Neurochemistry, 2005, 94, 1570-1579.	3.9	48
31	Nrf2 Signaling Contributes to the Neuroprotective Effects of Urate against 6-OHDA Toxicity. PLoS ONE, 2014, 9, e100286.	2.5	47
32	Impaired CBS-H2S signaling axis contributes to MPTP-induced neurodegeneration in a mouse model of Parkinsonâ€™s disease. Brain, Behavior, and Immunity, 2018, 67, 77-90.	4.1	45
33	Hydrogen sulfide regulates intracellular pH in rat primary cultured glia cells. Neuroscience Research, 2010, 66, 92-98.	1.9	44
34	Neuroprotective Effects of Paeoniflorin on 6-OHDA-Lesioned Rat Model of Parkinsonâ€™s Disease. Neurochemical Research, 2016, 41, 2923-2936.	3.3	40
35	A role of BAG3 in regulating SNCA/Î±-synuclein clearance via selective macroautophagy. Neurobiology of Aging, 2017, 60, 104-115.	3.1	40
36	Downregulation of cystathionine Î²-synthase/hydrogen sulfide contributes to rotenone-induced microglia polarization toward M1 type. Biochemical and Biophysical Research Communications, 2014, 451, 239-245.	2.1	39

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37	Statins upregulate cystathionine Î³-lyase transcription and H2S generation via activating Akt signaling in macrophage. Pharmacological Research, 2014, 87, 18-25.	7.1	37
38	DNA methylation in cystathionine-Î³-lyase (CSE) gene promoter induced by ox-LDL in macrophages and in apoE knockout mice. Biochemical and Biophysical Research Communications, 2016, 469, 776-782.	2.1	35
39	GYY4137, an H2S Slow-Releasing Donor, Prevents Nitrative Stress and Î±-Synuclein Nitration in an MPTP Mouse Model of Parkinsonâ€™s Disease. Frontiers in Pharmacology, 2017, 8, 741.	3.5	31
40	Epigenetic Regulation of Autophagy. Advances in Experimental Medicine and Biology, 2019, 1206, 221-236.	1.6	31
41	Autophagic Impairment Contributes to Systemic Inflammation-Induced Dopaminergic Neuron Loss in the Midbrain. PLoS ONE, 2013, 8, e70472.	2.5	30
42	Urate promotes SNCA/Î±-synuclein clearance via regulating mTOR-dependent macroautophagy. Experimental Neurology, 2017, 297, 138-147.	4.1	30
43	Vesicular monoamine transporter 2 (Vmat2) knockdown elicits anxiety-like behavior in zebrafish. Biochemical and Biophysical Research Communications, 2016, 470, 792-797.	2.1	28
44	Hydrogen Sulfide Regulates Na⁺/H⁺ Exchanger Activity via Stimulation of Phosphoinositide 3-Kinase/Akt and Protein Kinase G Pathways. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 726-735.	2.5	24
45	Hydrogen Sulfide: A Therapeutic Candidate for Fibrotic Disease?. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-10.	4.0	24
46	Long-term Levodopa Treatment Accelerates the Circadian Rhythm Dysfunction in a 6-hydroxydopamine Rat Model of Parkinson's Disease. Chinese Medical Journal, 2017, 130, 1085-1092.	2.3	24
47	Nicotine improved the olfactory impairment in MPTP-induced mouse model of Parkinson's disease. NeuroToxicology, 2019, 73, 175-182.	3.0	19
48	Alteration of Dynein Function Affects Î±-Synuclein Degradation via the Autophagosome-Lysosome Pathway. International Journal of Molecular Sciences, 2013, 14, 24242-24254.	4.1	18
49	Insights into the Mechanism of Thiol-Triggered COS/H₂S Release from N-Dithiasuccinoyl Amines. Journal of Organic Chemistry, 2020, 85, 8352-8359.	3.2	15
50	Hydrogen sulfide attenuates ferric chloride-induced arterial thrombosis in rats. Free Radical Research, 2016, 50, 654-665.	3.3	11
51	AMPK S-sulfuration contributes to H2S donors-induced AMPK phosphorylation and autophagy activation in dopaminergic cells. Neurochemistry International, 2021, 150, 105187.	3.8	10
52	Expression of autophagy related genes in peripheral blood cells in Parkinsonâ€™s disease. Neuroscience Letters, 2021, 762, 136166.	2.1	1