Wei-Qi He

List of Publications by Year
in descending order

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45 papers	1,624 citations	393982 19 h-index	377514 34 g-index
45 all docs	45 docs citations	45 times ranked	2389 citing authors

#	Article	IF	Citations
1	Mutations in Myosin Light Chain Kinase Cause Familial Aortic Dissections. American Journal of Human Genetics, 2010, 87, 701-707.	2.6	267
2	IL-22ÂUpregulates Epithelial Claudin-2 to Drive Diarrhea and Enteric Pathogen Clearance. Cell Host and Microbe, 2017, 21, 671-681.e4.	5.1	178
3	Myosin Light Chain Kinase Is Central to Smooth Muscle Contraction and Required for Gastrointestinal Motility in Mice. Gastroenterology, 2008, 135, 610-620.e2.	0.6	161
4	Intracellular MLCK1 diversion reverses barrier loss to restore mucosal homeostasis. Nature Medicine, 2019, 25, 690-700.	15.2	102
5	Myosin Phosphatase Target Subunit 1 (MYPT1) Regulates the Contraction and Relaxation of Vascular Smooth Muscle and Maintains Blood Pressure. Journal of Biological Chemistry, 2014, 289, 22512-22523.	1.6	87
6	Trio Is a Key Guanine Nucleotide Exchange Factor Coordinating Regulation of the Migration and Morphogenesis of Granule Cells in the Developing Cerebellum. Journal of Biological Chemistry, 2010, 285, 24834-24844.	1.6	75
7	Contributions of Myosin Light Chain Kinase to Regulation of Epithelial Paracellular Permeability and Mucosal Homeostasis. International Journal of Molecular Sciences, 2020, 21, 993.	1.8	75
8	Interleukin 22 Expands Transit-Amplifying Cells While Depleting Lgr5+ Stem Cells via Inhibition of Wnt and Notch Signaling. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 255-274.	2.3	67
9	Myosin Light Chain Kinase Is Necessary for Tonic Airway Smooth Muscle Contraction. Journal of Biological Chemistry, 2010, 285, 5522-5531.	1.6	66
10	Altered Contractile Phenotypes of Intestinal Smooth Muscle in Mice Deficient in Myosin Phosphatase Target Subunit 1. Gastroenterology, 2013, 144, 1456-1465.e5.	0.6	62
11	Signaling through Myosin Light Chain Kinase in Smooth Muscles. Journal of Biological Chemistry, 2013, 288, 7596-7605.	1.6	57
12	Role of myosin light chain kinase in regulation of basal blood pressure and maintenance of salt-induced hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H584-H591.	1.5	55
13	In vivo roles for myosin phosphatase targeting subunitâ€1 phosphorylation sites T694 and T852 in bladder smooth muscle contraction. Journal of Physiology, 2015, 593, 681-700.	1.3	55
14	Myosin Light Chain Kinase (MLCK) Regulates Cell Migration in a Myosin Regulatory Light Chain Phosphorylation-independent Mechanism. Journal of Biological Chemistry, 2014, 289, 28478-28488.	1.6	53
15	Inhibiting PLK1 induces autophagy of acute myeloid leukemia cells via mammalian target of rapamycin pathway dephosphorylation. Oncology Reports, 2017, 37, 1419-1429.	1.2	32
16	Molecular mechanism of G1 arrest and cellular senescence induced by LEE011, a novel CDK4/CDK6 inhibitor, in leukemia cells. Cancer Cell International, 2017, 17, 35.	1.8	32
17	The molecular basis of the genesis of basal tone in internal anal sphincter. Nature Communications, 2016, 7, 11358.	5.8	26
18	In Vitro and In Vivo Approaches to Determine Intestinal Epithelial Cell Permeability. Journal of Visualized Experiments, 2018, , .	0.2	24

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19	Constitutive phosphorylation of myosin phosphatase targeting subunitâ€1 in smooth muscle. Journal of Physiology, 2014, 592, 3031-3051.	1.3	22
20	Microfilament-binding properties of N-terminal extension of the isoform of smooth muscle long myosin light chain kinase. Cell Research, 2006, 16, 367-376.	5.7	21
21	Physiological signalling to myosin phosphatase targeting subunitâ€1 phosphorylation in ileal smooth muscle. Journal of Physiology, 2016, 594, 3209-3225.	1.3	19
22	Deletion of myosin light chain kinase in endothelial cells has a minor effect on the lipopolysaccharideâ€induced increase in microvascular endothelium permeability in mice. FEBS Journal, 2012, 279, 1485-1494.	2.2	15
23	Physiological vs. pharmacological signalling to myosin phosphorylation in airway smooth muscle. Journal of Physiology, 2017, 595, 6231-6247.	1.3	13
24	Characterization of isoform expression and subcellular distribution of MYPT1 in intestinal epithelial cells. Gene, 2016, 588, 1-6.	1.0	10
25	Nutraceuticals for the Treatment of IBD: Current Progress and Future Directions. Frontiers in Nutrition, 0, 9, .	1.6	10
26	Identification and functional characterization of an aggregation domain in long myosin light chain kinase. FEBS Journal, 2008, 275, 2489-2500.	2.2	8
27	Aldh inhibitor restores auditory function in a mouse model of human deafness. PLoS Genetics, 2020, 16, e1009040.	1.5	8
28	Myosin Light-Chain Kinase Is Necessary for Membrane Homeostasis in Cochlear Inner Hair Cells. PLoS ONE, 2012, 7, e34894.	1.1	7
29	Myosin regulatory light chain phosphorylation is associated with leiomyosarcoma development. Biomedicine and Pharmacotherapy, 2017, 92, 810-818.	2.5	5
30	One-Step Construction of Lentiviral Reporter Using Red-Mediated Recombination. Molecular Biotechnology, 2011, 49, 278-282.	1.3	3
31	Selective Inhibition of 11Î²-Hydroxysteroid Dehydrogenase Type 1 Attenuates High-Fat Diet-Induced Hepatic Steatosis in Mice. Drug Design, Development and Therapy, 2021, Volume 15, 2309-2324.	2.0	3
32	Mutations in Myosin Light Chain Kinase Cause Familial Aortic Dissections. American Journal of Human Genetics, 2011, 88, 516.	2.6	2
33	IgCAM domain 3 is necessary for basal and TNFâ€induced MLCK1 trafficking in intestinal epithelial cells. FASEB Journal, 2013, 27, 949.3.	0.2	2
34	MYPT1 Down-regulation by Lipopolysaccharide-SIAH1/2 E3 Ligase-Ubiquitin-Proteasomal Degradation Contributes to Colonic Obstruction of Hirschsprung Disease. Cellular and Molecular Gastroenterology and Hepatology, 2020, 9, 345-347.e6.	2.3	1
35	Quantification of Proliferative and Dead Cells in Enteroids. Journal of Visualized Experiments, 2020, , .	0.2	1
36	Reply. Gastroenterology, 2013, 145, 1495.	0.6	0

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37	Fractional activation of myosin light chain kinase is sufficient for robust smooth muscle contraction. FASEB Journal, 2011, 25, 1115.8.	0.2	0
38	MLCK Deletion Enhances Intestinal Smooth Muscle Cells Migration by Reducing Cell Membrane Tension. FASEB Journal, 2011, 25, .	0.2	0
39	Characterization of in vivo Function of Myosin light Chain Kinase in Internal Anal Sphincter Contraction. FASEB Journal, 2011, 25, 1059.6.	0.2	0
40	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0
41	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0
42	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0
43	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0
44	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0
45	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0