Min-Sheng Zhu

List of Publications by Year
in descending order

45 papers	1,298 citations	394421 19 h-index	361022 35 g-index
45 all docs	45 docs citations	45 times ranked	1800 citing authors

#	Article	IF	Citations
1	Myosin Light Chain Kinase Is Central to Smooth Muscle Contraction and Required for Gastrointestinal Motility in Mice. Gastroenterology, 2008, 135, 610-620.e2.	1.3	161
2	Mitophagy Directs Muscle-Adipose Crosstalk to Alleviate Dietary Obesity. Cell Reports, 2018, 23, 1357-1372.	6.4	94
3	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.	3.4	87
4	Coupling of mitochondrial function and skeletal muscle fiber type by a miRâ€499/Fnip1/ <scp>AMPK</scp> circuit. EMBO Molecular Medicine, 2016, 8, 1212-1228.	6.9	85
5	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.	3.4	75
6	The Transmembrane Protein 16A Ca²⁺-activated Cl^{â^'} Channel in Airway Smooth Muscle Contributes to Airway Hyperresponsiveness. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 374-381.	5.6	72
7	Myosin Light Chain Kinase Is Necessary for Tonic Airway Smooth Muscle Contraction. Journal of Biological Chemistry, 2010, 285, 5522-5531.	3.4	66
8	Altered Contractile Phenotypes of Intestinal Smooth Muscle in Mice Deficient in Myosin Phosphatase Target Subunit 1. Gastroenterology, 2013, 144, 1456-1465.e5.	1.3	62
9	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.	3.2	55
10	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.	2.9	55
11	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.	3.4	53
12	Properties of Long Myosin Light Chain Kinase Binding to F-Actin in Vitro and in Vivo. Journal of Biological Chemistry, 2002, 277, 35597-35604.	3.4	42
13	Regulation of DLK1 by the maternally expressed miR-379/miR-544 cluster may underlie callipyge polar overdominance inheritance. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13627-13632.	7.1	41
14	Inflammatory mediators mediate airway smooth muscle contraction through a G protein-coupled receptorâ€“transmembrane protein 16Aâ€“voltage-dependent Ca2+ channel axis and contribute to bronchial hyperresponsiveness in asthma. Journal of Allergy and Clinical Immunology, 2018, 141, 1259-1268.e11.	2.9	40
15	Disuse-associated loss of the protease LONP1 in muscle impairs mitochondrial function and causes reduced skeletal muscle mass and strength. Nature Communications, 2022, 13, 894.	12.8	35
16	Isolation and identification of a tribenzylisoquinoline alkaloid from Nelumbo nucifera Gaertn, a novel potential smooth muscle relaxant. FÃ¬toterapÃ¬Ã¢, 2018, 124, 58-65.	2.2	30
17	The molecular basis of the genesis of basal tone in internal anal sphincter. Nature Communications, 2016, 7, 11358.	12.8	26
18	PP2AcÎ± positively regulates the termination of liver regeneration in mice through the AKT/GSK3Î²/Cyclin D1 pathway. Journal of Hepatology, 2016, 64, 352-360.	3.7	25

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19	Golgi-resident TRIO regulates membrane trafficking during neurite outgrowth. Journal of Biological Chemistry, 2019, 294, 10954-10968.	3.4	23
20	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.	4.7	15
21	Distinct Roles of Smooth Muscle and Non-muscle Myosin Light Chain-Mediated Smooth Muscle Contraction. Frontiers in Physiology, 2020, 11, 593966.	2.8	15
22	CPI-17-mediated contraction of vascular smooth muscle is essential for the development of hypertension in obese mice. Journal of Genetics and Genomics, 2019, 46, 109-118.	3.9	14
23	Distinct functions of Trio GEF domains in axon outgrowth of cerebellar granule neurons. Journal of Genetics and Genomics, 2019, 46, 87-96.	3.9	14
24	Synthetic VSMCs induce BBB disruption mediated by MYPT1 in ischemic stroke. IScience, 2021, 24, 103047.	4.1	13
25	Heterotrimeric G Stimulatory Protein Î± Subunit Is Required forÂIntestinal Smooth Muscle Contraction in Mice. Gastroenterology, 2017, 152, 1114-1125.e5.	1.3	12
26	High-throughput screening on cochlear organoids identifies VEGFR-MEK-TGFB1 signaling promoting hair cell reprogramming. Stem Cell Reports, 2021, 16, 2257-2273.	4.8	11
27	The intragenic microRNA miR199A1 in the dynamin 2 gene contributes to the pathology of X-linked centronuclear myopathy. Journal of Biological Chemistry, 2020, 295, 8656-8667.	3.4	10
28	HSC-specific knockdown of GGPPS alleviated CCl-induced chronic liver fibrosis through mediating RhoA/Rock pathway. American Journal of Translational Research (discontinued), 2019, 11, 2382-2392.	0.0	9
29	Identification and functional characterization of an aggregation domain in long myosin light chain kinase. FEBS Journal, 2008, 275, 2489-2500.	4.7	8
30	Aldh inhibitor restores auditory function in a mouse model of human deafness. PLoS Genetics, 2020, 16, e1009040.	3.5	8
31	Myosin Light-Chain Kinase Is Necessary for Membrane Homeostasis in Cochlear Inner Hair Cells. PLoS ONE, 2012, 7, e34894.	2.5	7
32	Ggps1 deficiency in the uterus results in dystocia by disrupting uterine contraction. Journal of Molecular Cell Biology, 2021, 13, 116-127.	3.3	6
33	The thymus regulates skeletal muscle regeneration by directly promoting satellite cell expansion. Journal of Biological Chemistry, 2022, 298, 101516.	3.4	6
34	Tas2R activation relaxes airway smooth muscle by release of GÎ± _t targeting on AChR signaling. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
35	Inhibition of Myo6 gene expression by co-expression of a mutant of transcription factor POU4F3 (BRN-3C) in hair cells. Molecular Medicine Reports, 2014, 9, 1185-1190.	2.4	4
36	GGPP depletion initiates metaflammation through disequilibrating CYB5R3-dependent eicosanoid metabolism. Journal of Biological Chemistry, 2020, 295, 15988-16001.	3.4	4

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37	LIMK2 is required for membrane cytoskeleton reorganization of contracting airway smooth muscle. Journal of Genetics and Genomics, 2021, 48, 452-462.	3.9	4
38	A â€œbitterâ€•end to asthma revealed. Protein and Cell, 2011, 2, 433-434.	11.0	3
39	Molecular and cellular basis of the regulation of lymphatic contractility and lymphatic absorption. International Journal of Biochemistry and Cell Biology, 2014, 53, 134-140.	2.8	2
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