

Min-Sheng Zhu

List of Publications by Year in descending order

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45
papers

1,298
citations

394421

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docs citations

45
times ranked

1800
citing authors

#	ARTICLE	IF	CITATIONS
1	The thymus regulates skeletal muscle regeneration by directly promoting satellite cell expansion. <i>Journal of Biological Chemistry</i> , 2022, 298, 101516.	3.4	6
2	Disuse-associated loss of the protease LONP1 in muscle impairs mitochondrial function and causes reduced skeletal muscle mass and strength. <i>Nature Communications</i> , 2022, 13, 894.	12.8	35
3	Tas2R activation relaxes airway smooth muscle by release of Ca^{2+} targeting on AChR signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	6
4	<i>Ggps1</i> deficiency in the uterus results in dystocia by disrupting uterine contraction. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 116-127.	3.3	6
5	LIMK2 is required for membrane cytoskeleton reorganization of contracting airway smooth muscle. <i>Journal of Genetics and Genomics</i> , 2021, 48, 452-462.	3.9	4
6	High-throughput screening on cochlear organoids identifies VEGFR-MEK-TGFB1 signaling promoting hair cell reprogramming. <i>Stem Cell Reports</i> , 2021, 16, 2257-2273.	4.8	11
7	Synthetic VSMCs induce BBB disruption mediated by MYPT1 in ischemic stroke. <i>IScience</i> , 2021, 24, 103047.	4.1	13
8	Aldh inhibitor restores auditory function in a mouse model of human deafness. <i>PLoS Genetics</i> , 2020, 16, e1009040.	3.5	8
9	CGPP depletion initiates metaflammation through disequilibrating CYB5R3-dependent eicosanoid metabolism. <i>Journal of Biological Chemistry</i> , 2020, 295, 15988-16001.	3.4	4
10	Distinct Roles of Smooth Muscle and Non-muscle Myosin Light Chain-Mediated Smooth Muscle Contraction. <i>Frontiers in Physiology</i> , 2020, 11, 593966.	2.8	15
11	The intragenic microRNA miR199A1 in the dynamin 2 gene contributes to the pathology of X-linked centronuclear myopathy. <i>Journal of Biological Chemistry</i> , 2020, 295, 8656-8667.	3.4	10
12	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0
13	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0
14	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0
15	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0
16	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0
17	Aldh inhibitor restores auditory function in a mouse model of human deafness. , 2020, 16, e1009040.		0
18	Golgi-resident TRIO regulates membrane trafficking during neurite outgrowth. <i>Journal of Biological Chemistry</i> , 2019, 294, 10954-10968.	3.4	23

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19	CPI-17-mediated contraction of vascular smooth muscle is essential for the development of hypertension in obese mice. <i>Journal of Genetics and Genomics</i> , 2019, 46, 109-118.	3.9	14
20	Distinct functions of Trio GEF domains in axon outgrowth of cerebellar granule neurons. <i>Journal of Genetics and Genomics</i> , 2019, 46, 87-96.	3.9	14
21	HSC-specific knockdown of GGPPS alleviated CCl ₄ -induced chronic liver fibrosis through mediating RhoA/Rock pathway. <i>American Journal of Translational Research (discontinued)</i> , 2019, 11, 2382-2392.	0.0	9
22	Mitophagy Directs Muscle-Adipose Crosstalk to Alleviate Dietary Obesity. <i>Cell Reports</i> , 2018, 23, 1357-1372.	6.4	94
23	Isolation and identification of a tribenzylisoquinoline alkaloid from <i>Nelumbo nucifera Gaertn</i> , a novel potential smooth muscle relaxant. <i>FÄ-toterapÄ-Äç</i> , 2018, 124, 58-65.	2.2	30
24	Inflammatory mediators mediate airway smooth muscle contraction through a G protein-coupled receptor-activated transmembrane protein 16A voltage-dependent Ca ²⁺ channel axis and contribute to bronchial hyperresponsiveness in asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1259-1268.e11.	2.9	40
25	Heterotrimeric G Stimulatory Protein β Subunit Is Required for Intestinal Smooth Muscle Contraction in Mice. <i>Gastroenterology</i> , 2017, 152, 1114-1125.e5.	1.3	12
26	The molecular basis of the genesis of basal tone in internal anal sphincter. <i>Nature Communications</i> , 2016, 7, 11358.	12.8	26
27	Coupling of mitochondrial function and skeletal muscle fiber type by a miR-499/Fnip1/AMPK circuit. <i>EMBO Molecular Medicine</i> , 2016, 8, 1212-1228.	6.9	85
28	PP2A β positively regulates the termination of liver regeneration in mice through the AKT/GSK3 β /Cyclin D1 pathway. <i>Journal of Hepatology</i> , 2016, 64, 352-360.	3.7	25
29	Regulation of DLK1 by the maternally expressed miR-379/miR-544 cluster may underlie callipyge polar overdominance inheritance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13627-13632.	7.1	41
30	<i>In vivo</i> roles for myosin phosphatase targeting subunit 1 phosphorylation sites T694 and T852 in bladder smooth muscle contraction. <i>Journal of Physiology</i> , 2015, 593, 681-700.	2.9	55
31	Myosin Light Chain Kinase (MLCK) Regulates Cell Migration in a Myosin Regulatory Light Chain Phosphorylation-independent Mechanism. <i>Journal of Biological Chemistry</i> , 2014, 289, 28478-28488.	3.4	53
32	Myosin Phosphatase Target Subunit 1 (MYPT1) Regulates the Contraction and Relaxation of Vascular Smooth Muscle and Maintains Blood Pressure. <i>Journal of Biological Chemistry</i> , 2014, 289, 22512-22523.	3.4	87
33	Molecular and cellular basis of the regulation of lymphatic contractility and lymphatic absorption. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 53, 134-140.	2.8	2
34	Inhibition of Myo6 gene expression by co-expression of a mutant of transcription factor POU4F3 (BRN-3C) in hair cells. <i>Molecular Medicine Reports</i> , 2014, 9, 1185-1190.	2.4	4
35	The Transmembrane Protein 16A Ca ²⁺ -activated Cl ⁻ Channel in Airway Smooth Muscle Contributes to Airway Hyperresponsiveness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 374-381.	5.6	72
36	Altered Contractile Phenotypes of Intestinal Smooth Muscle in Mice Deficient in Myosin Phosphatase Target Subunit 1. <i>Gastroenterology</i> , 2013, 144, 1456-1465.e5.	1.3	62

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37	Myosin Light-Chain Kinase Is Necessary for Membrane Homeostasis in Cochlear Inner Hair Cells. PLoS ONE, 2012, 7, e34894.	2.5	7
38	Deletion of myosin light chain kinase in endothelial cells has a minor effect on the lipopolysaccharide-induced increase in microvascular endothelium permeability in mice. FEBS Journal, 2012, 279, 1485-1494.	4.7	15
39	A bitter end to asthma revealed. Protein and Cell, 2011, 2, 433-434.	11.0	3
40	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
41	Myosin Light Chain Kinase Is Necessary for Tonic Airway Smooth Muscle Contraction. Journal of Biological Chemistry, 2010, 285, 5522-5531.	3.4	66
42	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
43	Identification and functional characterization of an aggregation domain in long myosin light chain kinase. FEBS Journal, 2008, 275, 2489-2500.	4.7	8
44	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
45	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