

Shukuan Ling

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,633
citations

279798

23
h-index

197818

49
g-index

57
all docs

57
docs citations

57
times ranked

4070
citing authors

#	ARTICLE	IF	CITATIONS
1	miR-214 targets ATF4 to inhibit bone formation. <i>Nature Medicine</i> , 2013, 19, 93-100.	30.7	495
2	Osteoclast-derived microRNA-containing exosomes selectively inhibit osteoblast activity. <i>Cell Discovery</i> , 2016, 2, 16015.	6.7	239
3	The mechanosensitive Piezo1 channel is required for bone formation. <i>ELife</i> , 2019, 8, .	6.0	228
4	miR-214 promotes osteoclastogenesis by targeting Pten/PI3k/Akt pathway. <i>RNA Biology</i> , 2015, 12, 343-353.	3.1	198
5	Breast cancer exosomes contribute to pre-metastatic niche formation and promote bone metastasis of tumor cells. <i>Theranostics</i> , 2021, 11, 1429-1445.	10.0	163
6	Current Understanding of the Pathophysiology of Myocardial Fibrosis and Its Quantitative Assessment in Heart Failure. <i>Frontiers in Physiology</i> , 2017, 8, 238.	2.8	145
7	Chronic Treatment With Ticagrelor Limits Myocardial Infarct Size. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2078-2085.	2.4	115
8	CKIP-1 Inhibits Cardiac Hypertrophy by Regulating Class II Histone Deacetylase Phosphorylation Through Recruiting PP2A. <i>Circulation</i> , 2012, 126, 3028-3040.	1.6	72
9	NDUFAB1 confers cardio-protection by enhancing mitochondrial bioenergetics through coordination of respiratory complex and supercomplex assembly. <i>Cell Research</i> , 2019, 29, 754-766.	12.0	66
10	MicroRNA-dependent cross-talk between VEGF and HIF1 α in the diabetic retina. <i>Cellular Signalling</i> , 2013, 25, 2840-2847.	3.6	59
11	Circulating microRNAs correlated with the level of coronary artery calcification in symptomatic patients. <i>Scientific Reports</i> , 2015, 5, 16099.	3.3	59
12	The regulation of iron metabolism by hepcidin contributes to unloading-induced bone loss. <i>Bone</i> , 2017, 94, 152-161.	2.9	57
13	Dammarane Sapogenins Ameliorates Neurocognitive Functional Impairment Induced by Simulated Long-Duration Spaceflight. <i>Frontiers in Pharmacology</i> , 2017, 8, 315.	3.5	42
14	Modulation of microRNAs in hypertension-induced arterial remodeling through the β 1 and β 3-adrenoreceptor pathways. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 65, 127-136.	1.9	39
15	TMCO1-mediated Ca ²⁺ leak underlies osteoblast functions via CaMKII signaling. <i>Nature Communications</i> , 2019, 10, 1589.	12.8	38
16	Nebivolol Induces Distinct Changes in Profibrosis MicroRNA Expression Compared With Atenolol, in Salt-Sensitive Hypertensive Rats. <i>Hypertension</i> , 2013, 61, 1008-1013.	2.7	37
17	HDAC4 protects cells from ER stress induced apoptosis through interaction with ATF4. <i>Cellular Signalling</i> , 2014, 26, 556-563.	3.6	37
18	Redox Regulation of Actin by Thioredoxin-1 Is Mediated by the Interaction of the Proteins <i>via</i> Cysteine 62. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 565-573.	5.4	32

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19	Effects of spaceflight on the composition and function of the human gut microbiota. <i>Gut Microbes</i> , 2020, 11, 807-819.	9.8	32
20	Dickkopf-1 (DKK1) phosphatase and tensin homolog on chromosome 10 (PTEN) crosstalk via microRNA interference in the diabetic heart. <i>Basic Research in Cardiology</i> , 2013, 108, 352.	5.9	31
21	Targeting E3 Ubiquitin Ligase WWP1 Prevents Cardiac Hypertrophy Through Destabilizing DVL2 via Inhibition of K27-Linked Ubiquitination. <i>Circulation</i> , 2021, 144, 694-711.	1.6	31
22	Phosphodiesterase III Inhibition Increases cAMP Levels and Augments the Infarct Size Limiting Effect of a DPP-4 Inhibitor in Mice with Type-2 Diabetes Mellitus. <i>Cardiovascular Drugs and Therapy</i> , 2012, 26, 445-456.	2.6	25
23	PTEN Upregulation May Explain the Development of Insulin Resistance and Type 2 Diabetes with High Dose Statins. <i>Cardiovascular Drugs and Therapy</i> , 2014, 28, 447-457.	2.6	25
24	AAV-Anti-miR-214 Prevents Collapse of the Femoral Head in Osteonecrosis by Regulating Osteoblast and Osteoclast Activities. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 18, 841-850.	5.1	24
25	Alteration of calcium signalling in cardiomyocyte induced by simulated microgravity and hypergravity. <i>Cell Proliferation</i> , 2020, 53, e12783.	5.3	24
26	CD44 deficiency inhibits unloading-induced cortical bone loss through downregulation of osteoclast activity. <i>Scientific Reports</i> , 2015, 5, 16124.	3.3	23
27	Simulated Microgravity and Recovery-Induced Remodeling of the Left and Right Ventricle. <i>Frontiers in Physiology</i> , 2016, 7, 274.	2.8	23
28	The mechanosensitive lncRNA Neat1 promotes osteoblast function through paraspeckle-dependent Smurf1 mRNA retention. <i>Bone Research</i> , 2022, 10, 18.	11.4	22
29	Phosphodiesterase-3 inhibition augments the myocardial infarct size-limiting effects of exenatide in mice with type 2 diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H131-H141.	3.2	21
30	Regulation of phosphatase and tensin homolog on chromosome 10 in response to hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H1806-H1817.	3.2	20
31	Hematopoietic stem cells and lineage cells undergo dynamic alterations under microgravity and recovery conditions. <i>FASEB Journal</i> , 2019, 33, 6904-6918.	0.5	20
32	Myocardial CKIP-1 Overexpression Protects from Simulated Microgravity-Induced Cardiac Remodeling. <i>Frontiers in Physiology</i> , 2018, 9, 40.	2.8	17
33	miR-214 stimulated by IL-17A regulates bone loss in patients with ankylosing spondylitis. <i>Rheumatology</i> , 2020, 59, 1159-1169.	1.9	16
34	Late Gadolinium Enhancement Amount As an Independent Risk Factor for the Incidence of Adverse Cardiovascular Events in Patients with Stage C or D Heart Failure. <i>Frontiers in Physiology</i> , 2016, 7, 484.	2.8	15
35	Anoctamin 1 controls bone resorption by coupling Cl ⁻ channel activation with RANKL-RANK signaling transduction. <i>Nature Communications</i> , 2022, 13, .	12.8	15
36	The effect of Bu Zhong Yi Qi decoction on simulated weightlessness-induced muscle atrophy and its mechanisms. <i>Molecular Medicine Reports</i> , 2017, 16, 5165-5174.	2.4	14

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37	Circulating microRNAs Correlated with Bone Loss Induced by 45 Days of Bed Rest. <i>Frontiers in Physiology</i> , 2017, 8, 69.	2.8	14
38	Reduced function and disassembled microtubules of cultured cardiomyocytes in spaceflight. <i>Science Bulletin</i> , 2008, 53, 1185-1192.	9.0	12
39	Panax quinquefolium saponin attenuates cardiac remodeling induced by simulated microgravity. <i>Phytomedicine</i> , 2019, 56, 83-93.	5.3	12
40	Personalized Epigenome Remodeling Under Biochemical and Psychological Changes During Long-Term Isolation Environment. <i>Frontiers in Physiology</i> , 2019, 10, 932.	2.8	12
41	Ginsenoside Re Treatment Attenuates Myocardial Hypoxia/Reoxygenation Injury by Inhibiting HIF-1 α Ubiquitination. <i>Frontiers in Pharmacology</i> , 2020, 11, 532041.	3.5	12
42	The coupling of reduced type H vessels with unloading-induced bone loss and the protection role of Panax quinquefolium saponin in the male mice. <i>Bone</i> , 2021, 143, 115712.	2.9	12
43	3 α untranslated region of <i>Ckip-1</i> inhibits cardiac hypertrophy independently of its cognate protein. <i>European Heart Journal</i> , 2021, 42, 3786-3799.	2.2	9
44	WWP1 Deficiency Alleviates Cardiac Remodeling Induced by Simulated Microgravity. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 739944.	3.7	9
45	Knockdown of CD44 inhibits the alteration of osteoclast function induced by simulated microgravity. <i>Acta Astronautica</i> , 2020, 166, 607-612.	3.2	8
46	Vascular smooth muscle cell-specific miRNA-214 knockout inhibits angiotensin II-induced hypertension through upregulation of Smad7. <i>FASEB Journal</i> , 2021, 35, e21947.	0.5	7
47	Casein Kinase-2 Interacting Protein-1 Regulates Physiological Cardiac Hypertrophy via Inhibition of Histone Deacetylase 4 Phosphorylation. <i>Frontiers in Physiology</i> , 2021, 12, 678863.	2.8	2
48	Ckip-1 3 α -UTR Attenuates Simulated Microgravity-Induced Cardiac Atrophy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 796902.	3.7	2
49	Cover Image, Volume 53, Issue 3. <i>Cell Proliferation</i> , 2020, 53, e12807.	5.3	0
50	Reduced function and disorganized cytoskeleton of cardiomyocytes in spaceflight. , 2006, , .		0
51	Application of Molecular Imaging in Transgenic Animals. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 661-670.	0.1	0