

Zhen-Jun Tian

List of Publications by Year in descending order

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32
papers

781
citations

471509

17
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552781

26
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34
all docs

34
docs citations

34
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerobic exercise and resistance exercise alleviate skeletal muscle atrophy through IGF-1/IGF-1R-PI3K/Akt pathway in mice with myocardial infarction. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C164-C176.	4.6	25
2	Intermittent Fasting Improves High-Fat Diet-Induced Obesity Cardiomyopathy via Alleviating Lipid Deposition and Apoptosis and Decreasing m6A Methylation in the Heart. <i>Nutrients</i> , 2022, 14, 251.	4.1	27
3	Role of Chitinase-3-like Protein 1 in Cardioprotection and Angiogenesis by Post-Infarction Exercise Training. <i>Biomedicines</i> , 2022, 10, 1028.	3.2	1
4	Dynamic resistance exercise increases skeletal muscle-derived FSTL1 inducing cardiac angiogenesis via DIP2A-Smad2/3 in rats following myocardial infarction. <i>Journal of Sport and Health Science</i> , 2021, 10, 594-603.	6.5	34
5	Exercise Training Enhances Myocardial Mitophagy and Improves Cardiac Function via Irisin/FNDC5-PINK1/Parkin Pathway in MI Mice. <i>Biomedicines</i> , 2021, 9, 701.	3.2	23
6	Cardiolipin remodeling by ALCAT1 links hypoxia to coronary artery disease by promoting mitochondrial dysfunction. <i>Molecular Therapy</i> , 2021, 29, 3498-3511.	8.2	18
7	Insulin Resistance in Skeletal Muscle Selectively Protects the Heart in Response to Metabolic Stress. <i>Diabetes</i> , 2021, 70, 2333-2343.	0.6	4
8	The role of exercise in rehabilitation of discharged COVID-19 patients. <i>Sports Medicine and Health Science</i> , 2021, 3, 194-201.	2.0	14
9	The Roles of FGF21 and ALCAT1 in Aerobic Exercise-Induced Cardioprotection of Postmyocardial Infarction Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-17.	4.0	10
10	Exercise Training Alleviates Cardiac Fibrosis through Increasing Fibroblast Growth Factor 21 and Regulating TGF- β 1-Smad2/3-MMP2/9 Signaling in Mice with Myocardial Infarction. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12341.	4.1	42
11	Role of Muscle-Specific Histone Methyltransferase (Smyd1) in Exercise-Induced Cardioprotection against Pathological Remodeling after Myocardial Infarction. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7010.	4.1	17
12	Up-regulation of Thioredoxin 1 by aerobic exercise training attenuates endoplasmic reticulum stress and cardiomyocyte apoptosis following myocardial infarction. <i>Sports Medicine and Health Science</i> , 2020, 2, 132-140.	2.0	4
13	Aerobic exercise alleviates oxidative stress-induced apoptosis in kidneys of myocardial infarction mice by inhibiting ALCAT1 and activating FNDC5/Irisin signaling pathway. <i>Free Radical Biology and Medicine</i> , 2020, 158, 171-180.	2.9	45
14	HIF-1 α -induced up-regulation of microRNA-126 contributes to the effectiveness of exercise training on myocardial angiogenesis in myocardial infarction rats. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 12970-12979.	3.6	29
15	Early Aerobic Exercise Combined with Hydrogen-Rich Saline as Preconditioning Protects Myocardial Injury Induced by Acute Myocardial Infarction in Rats. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 663-676.	2.9	16
16	Resistance Exercise Increases the Regulation of Skeletal Muscle FSTL1 Consequently Improving Cardiac Angiogenesis in Rats with Myocardial Infarctions. <i>Journal of Science in Sport and Exercise</i> , 2019, 1, 78-87.	1.0	3
17	Postinfarction exercise training alleviates cardiac dysfunction and adverse remodeling via mitochondrial biogenesis and SIRT1/PGC-1 β /PI3K/Akt signaling. <i>Journal of Cellular Physiology</i> , 2019, 234, 23705-23718.	4.1	59
18	Recombinant Fc-Elabela fusion protein has extended plasma half-life and mitigates post-infarct heart dysfunction in rats. <i>International Journal of Cardiology</i> , 2019, 292, 180-187.	1.7	27

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19	Defective sarcomere assembly in <i>smyd1a</i> and <i>smyd1b</i> zebrafish mutants. <i>FASEB Journal</i> , 2019, 33, 6209-6225.	0.5	16
20	Zebrafish Embryonic Slow Muscle Is a Rapid System for Genetic Analysis of Sarcomere Organization by CRISPR/Cas9, but Not NgAgo. <i>Marine Biotechnology</i> , 2018, 20, 168-181.	2.4	12
21	Effects of different types of exercise on skeletal muscle atrophy, antioxidant capacity and growth factors expression following myocardial infarction. <i>Life Sciences</i> , 2018, 213, 40-49.	4.3	34
22	MiR-21 Regulates TNF- α -Induced CD40 Expression via the SIRT1-NF- κ B Pathway in Renal Inner Medullary Collecting Duct Cells. <i>Cellular Physiology and Biochemistry</i> , 2017, 41, 124-136.	1.6	37
23	SIRT1 regulates lipopolysaccharide-induced CD40 expression in renal medullary collecting duct cells by suppressing the TLR4-NF- κ B signaling pathway. <i>Life Sciences</i> , 2017, 170, 100-107.	4.3	26
24	Effects of miR-29a and miR-101a Expression on Myocardial Interstitial Collagen Generation After Aerobic Exercise in Myocardial-infarcted Rats. <i>Archives of Medical Research</i> , 2017, 48, 27-34.	3.3	32
25	FSTL1 as a Potential Mediator of Exercise-Induced Cardioprotection in Post-Myocardial Infarction Rats. <i>Scientific Reports</i> , 2016, 6, 32424.	3.3	50
26	Exercise training activates neuregulin 1/ErbB signaling and promotes cardiac repair in a rat myocardial infarction model. <i>Life Sciences</i> , 2016, 149, 1-9.	4.3	75
27	Sirtuin1 (SIRT1) Regulates Tumor Necrosis Factor-alpha (TNF- α -Induced) Aquaporin-2 (AQP2) Expression in Renal Medullary Collecting Duct Cells Through Inhibiting the NF- κ B Pathway. <i>Medical Science Monitor Basic Research</i> , 2016, 22, 165-174.	2.6	17
28	Exercise training reduces insulin resistance in postmyocardial infarction rats. <i>Physiological Reports</i> , 2015, 3, e12339.	1.7	10
29	The Effects of Hsp90 α 1 Mutations on Myosin Thick Filament Organization. <i>PLoS ONE</i> , 2015, 10, e0142573.	2.5	8
30	Aerobic Exercise Inhibits Sympathetic Nerve Sprouting and Restores β 2-Adrenergic Receptor Balance in Rats with Myocardial Infarction. <i>PLoS ONE</i> , 2014, 9, e97810.	2.5	18
31	Exercise Training Attenuates Hypertension and Cardiac Hypertrophy by Modulating Neurotransmitters and Cytokines in Hypothalamic Paraventricular Nucleus. <i>PLoS ONE</i> , 2014, 9, e85481.	2.5	43
32	Irisin is an Effector Molecule in Exercise Rehabilitation Following Myocardial Infarction (Review). <i>Frontiers in Physiology</i> , 0, 13, .	2.8	4