Zhen-Jun Tian

List of Publications by Year
in descending order

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32	781	471509	552781
papers	citations	17 h-index	26 g-index

34	34	34	916
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exercise training activates neuregulin 1/ErbB signaling and promotes cardiac repair in a rat myocardial infarction model. Life Sciences, 2016, 149, 1-9.	4.3	75
2	Postinfarction exercise training alleviates cardiac dysfunction and adverse remodeling via mitochondrial biogenesis and SIRT1/PGCâ€1Î±/PI3K/Akt signaling. Journal of Cellular Physiology, 2019, 234, 23705-23718.	4.1	59
3	FSTL1 as a Potential Mediator of Exercise-Induced Cardioprotection in Post-Myocardial Infarction Rats. Scientific Reports, 2016, 6, 32424.	3.3	50
4	Aerobic exercise alleviates oxidative stress-induced apoptosis in kidneys of myocardial infarction mice by inhibiting ALCAT1 and activating FNDC5/Irisin signaling pathway. Free Radical Biology and Medicine, 2020, 158, 171-180.	2.9	45
5	Exercise Training Attenuates Hypertension and Cardiac Hypertrophy by Modulating Neurotransmitters and Cytokines in Hypothalamic Paraventricular Nucleus. PLoS ONE, 2014, 9, e85481.	2.5	43
6	Exercise Training Alleviates Cardiac Fibrosis through Increasing Fibroblast Growth Factor 21 and Regulating TGF-Î²1-Smad2/3-MMP2/9 Signaling in Mice with Myocardial Infarction. International Journal of Molecular Sciences, 2021, 22, 12341.	4.1	42
7	MiR-21 Regulates TNF-Î±-Induced CD40 Expression via the SIRT1-NF-ÎºB Pathway in Renal Inner Medullary Collecting Duct Cells. Cellular Physiology and Biochemistry, 2017, 41, 124-136.	1.6	37
8	Effects of different types of exercise on skeletal muscle atrophy, antioxidant capacity and growth factors expression following myocardial infarction. Life Sciences, 2018, 213, 40-49.	4.3	34
9	Dynamic resistance exercise increases skeletal muscle-derived FSTL1 inducing cardiac angiogenesis via DIP2Aâ€“Smad2/3 in rats following myocardial infarction. Journal of Sport and Health Science, 2021, 10, 594-603.	6.5	34
10	Effects of miR-29a and miR-101a Expression on Myocardial Interstitial Collagen Generation After Aerobic Exercise in Myocardial-infarcted Rats. Archives of Medical Research, 2017, 48, 27-34.	3.3	32
11	HIFâ€1Î±â€induced upâ€regulation of microRNAâ€126 contributes to the effectiveness of exercise training on myocardial angiogenesis in myocardial infarction rats. Journal of Cellular and Molecular Medicine, 2020, 24, 12970-12979.	3.6	29
12	Recombinant Fc-Elabela fusion protein has extended plasma half-life andmitigates post-infarct heart dysfunction in rats. International Journal of Cardiology, 2019, 292, 180-187.	1.7	27
13	Intermittent Fasting Improves High-Fat Diet-Induced Obesity Cardiomyopathy via Alleviating Lipid Deposition and Apoptosis and Decreasing m6A Methylation in the Heart. Nutrients, 2022, 14, 251.	4.1	27
14	SIRT1 regulates lipopolysaccharide-induced CD40 expression in renal medullary collecting duct cells by suppressing the TLR4-NF-ÎºB signaling pathway. Life Sciences, 2017, 170, 100-107.	4.3	26
15	Aerobic exercise and resistance exercise alleviate skeletal muscle atrophy through IGF-1/IGF-1R-PI3K/Akt pathway in mice with myocardial infarction. American Journal of Physiology - Cell Physiology, 2022, 322, C164-C176.	4.6	25
16	Exercise Training Enhances Myocardial Mitophagy and Improves Cardiac Function via Irisin/FNDC5-PINK1/Parkin Pathway in MI Mice. Biomedicines, 2021, 9, 701.	3.2	23
17	Aerobic Exercise Inhibits Sympathetic Nerve Sprouting and Restores Î²-Adrenergic Receptor Balance in Rats with Myocardial Infarction. PLoS ONE, 2014, 9, e97810.	2.5	18
18	Cardiolipin remodeling by ALCAT1 links hypoxia to coronary artery disease by promoting mitochondrial dysfunction. Molecular Therapy, 2021, 29, 3498-3511.	8.2	18

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19	Role of Muscle-Specific Histone Methyltransferase (Smyd1) in Exercise-Induced Cardioprotection against Pathological Remodeling after Myocardial Infarction. International Journal of Molecular Sciences, 2020, 21, 7010.	4.1	17
20	Sirtuin1 (SIRT1) Regulates Tumor Necrosis Factor-alpha (TNF-Î±-Induced) Aquaporin-2 (AQP2) Expression in Renal Medullary Collecting Duct Cells Through Inhibiting the NF-ÎºB Pathway. Medical Science Monitor Basic Research, 2016, 22, 165-174.	2.6	17
21	Early Aerobic Exercise Combined with Hydrogen-Rich Saline as Preconditioning Protects Myocardial Injury Induced by Acute Myocardial Infarction in Rats. Applied Biochemistry and Biotechnology, 2019, 187, 663-676.	2.9	16
22	Defective sarcomere assembly in smyd1a and smyd1b zebrafish mutants. FASEB Journal, 2019, 33, 6209-6225.	0.5	16
23	The role of exercise in rehabilitation of discharged COVID-19 patients. Sports Medicine and Health Science, 2021, 3, 194-201.	2.0	14
24	Zebrafish Embryonic Slow Muscle Is a Rapid System for Genetic Analysis of Sarcomere Organization by CRISPR/Cas9, but Not NgAgo. Marine Biotechnology, 2018, 20, 168-181.	2.4	12
25	Exercise training reduces insulin resistance in postmyocardial infarction rats. Physiological Reports, 2015, 3, e12339.	1.7	10
26	The Roles of FGF21 and ALCAT1 in Aerobic Exercise-Induced Cardioprotection of Postmyocardial Infarction Mice. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-17.	4.0	10
27	The Effects of Hsp90Î±1 Mutations on Myosin Thick Filament Organization. PLoS ONE, 2015, 10, e0142573.	2.5	8
28	Up-regulation of Thioredoxin 1 by aerobic exercise training attenuates endoplasmic reticulum stress and cardiomyocyte apoptosis following myocardial infarction. Sports Medicine and Health Science, 2020, 2, 132-140.	2.0	4
29	Insulin Resistance in Skeletal Muscle Selectively Protects the Heart in Response to Metabolic Stress. Diabetes, 2021, 70, 2333-2343.	0.6	4
30	Irisin is an Effector Molecule in Exercise Rehabilitation Following Myocardial Infarction (Review). Frontiers in Physiology, 0, 13, .	2.8	4
31	Resistance Exercise Increases the Regulation of Skeletal Muscle FSTL1 Consequently Improving Cardiac Angiogenesis in Rats with Myocardial Infarctions. Journal of Science in Sport and Exercise, 2019, 1, 78-87.	1.0	3
32	Role of Chitinase-3-like Protein 1 in Cardioprotection and Angiogenesis by Post-Infarction Exercise Training. Biomedicines, 2022, 10, 1028.	3.2	1