

Lei Xi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

3,637
citations

32
h-index

59
g-index

100
ext. papers

4,023
ext. citations

6
avg, IF

5.29
L-index

#	Paper	IF	Citations
89	Role of Chitinase-3-like Protein 1 in Cardioprotection and Angiogenesis by Post-Infarction Exercise Training. <i>Biomedicines</i> , 2022 , 10, 1028	4.8	
88	Role of phosphodiesterase 1 in the pathophysiology of diseases and potential therapeutic opportunities. <i>Pharmacology & Therapeutics</i> , 2021 , 226, 107858	13.9	2
87	PDE5 inhibitor sildenafil attenuates cardiac microRNA 214 upregulation and pro-apoptotic signaling after chronic alcohol ingestion in mice. <i>Molecular and Cellular Biochemistry</i> , 2020 , 471, 189-201	4.2	1
86	Utility of cardiac biomarkers in sports medicine: Focusing on troponin, natriuretic peptides, and hypoxanthine. <i>Sports Medicine and Health Science</i> , 2020 , 2, 65-71	4.5	1
85	Cardiovascular risks and toxicity - The Achilles heel of androgen deprivation therapy in prostate cancer patients. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020 , 1874, 188383	11.2	9
84	Chronic inhibition of phosphodiesterase 5 with tadalafil affords cardioprotection in a mouse model of metabolic syndrome: role of nitric oxide. <i>Molecular and Cellular Biochemistry</i> , 2020 , 468, 47-58	4.2	7
83	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,	6.3	8
82	Hypoxia, HIF-1 α and COVID-19: from pathogenic factors to potential therapeutic targets. <i>Acta Pharmacologica Sinica</i> , 2020 , 41, 1539-1546	8	65
81	Sildenafil Potentiates the Therapeutic Efficacy of Docetaxel in Advanced Prostate Cancer by Stimulating NO-cGMP Signaling. <i>Clinical Cancer Research</i> , 2020 , 26, 5720-5734	12.9	15
80	Timing-Dependent Protection of Swimming Exercise against d-Galactose-Induced Aging-Like Impairments in Spatial Learning/Memory in Rats. <i>Brain Sciences</i> , 2019 , 9,	3.4	2
79	Effects of intermittent hypoxia training on leukocyte pyruvate dehydrogenase kinase 1 (PDK-1) mRNA expression and blood insulin level in prediabetes patients. <i>European Journal of Applied Physiology</i> , 2019 , 119, 813-823	3.4	5
78	Postinfarction exercise training alleviates cardiac dysfunction and adverse remodeling via mitochondrial biogenesis and SIRT1/PGC-1 α /PI3K/Akt signaling. <i>Journal of Cellular Physiology</i> , 2019 , 234, 23705-23718	7	31
77	Intermittent Hypoxia-Hyperoxia Training Improves Cognitive Function and Decreases Circulating Biomarkers of Alzheimer's Disease in Patients with Mild Cognitive Impairment: A Pilot Study. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	23
76	Beet Juice as Nutraceutical Remedy for Alleviating Pulmonary Arterial Hypertension: Searching for Optimal Treatment Timing and Nitrate Dose. <i>American Journal of Hypertension</i> , 2019 , 32, 135-138	2.3	1
75	Natriuretic peptide family as diagnostic/prognostic biomarker and treatment modality in management of adult and geriatric patients with heart failure: remaining issues and challenges. <i>Journal of Geriatric Cardiology</i> , 2018 , 15, 540-546	1.7	7
74	PDE5 Inhibitor Tadalafil and Hydroxychloroquine Cotreatment Provides Synergistic Protection against Type 2 Diabetes and Myocardial Infarction in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017 , 361, 29-38	4.7	5
73	Intermittent hypoxia training in prediabetes patients: Beneficial effects on glucose homeostasis, hypoxia tolerance and gene expression. <i>Experimental Biology and Medicine</i> , 2017 , 242, 1542-1552	3.7	29

72	Visnagin-a new protectant against doxorubicin cardiotoxicity? Inhibition of mitochondrial malate dehydrogenase 2 (MDH2) and beyond. <i>Annals of Translational Medicine</i> , 2016 , 4, 65	3.2	4
71	Potential Therapeutic Strategies for Hypertension-Exacerbated Cardiotoxicity of Anticancer Drugs. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 8139861	6.7	17
70	Intermittent hypoxia training as non-pharmacologic therapy for cardiovascular diseases: Practical analysis on methods and equipment. <i>Experimental Biology and Medicine</i> , 2016 , 241, 1708-23	3.7	32
69	Inosine and hypoxanthine as novel biomarkers for cardiac ischemia: from bench to point-of-care. <i>Experimental Biology and Medicine</i> , 2015 , 240, 821-31	3.7	48
68	PDE5 inhibitors as therapeutics for heart disease, diabetes and cancer. <i>Pharmacology & Therapeutics</i> , 2015 , 147, 12-21	13.9	144
67	Intermittent hypoxia in childhood: the harmful consequences versus potential benefits of therapeutic uses. <i>Frontiers in Pediatrics</i> , 2015 , 3, 44	3.4	12
66	Beetroot juice reduces infarct size and improves cardiac function following ischemia-reperfusion injury: Possible involvement of endogenous H2S. <i>Experimental Biology and Medicine</i> , 2015 , 240, 669-81	3.7	21
65	Remote ischemic preconditioning for myocardial protection: update on mechanisms and clinical relevance. <i>Molecular and Cellular Biochemistry</i> , 2015 , 402, 41-9	4.2	42
64	PDE5 Inhibition with Sildenafil Blocks Induction of Carboxylesterase3 and Reduces Cell Necrosis and Autophagy in Acute Alcohol-Induced Injury in Heart. <i>FASEB Journal</i> , 2015 , 29, 896.14	0.9	
63	Acute Alcohol Treatment and Cardiac Dysfunction in Obese Diabetic Mice: Role of PDE5 and MicroRNA-21. <i>FASEB Journal</i> , 2015 , 29, 1020.9	0.9	
62	Mammalian target of rapamycin (mTOR) inhibition with rapamycin improves cardiac function in type 2 diabetic mice: potential role of attenuated oxidative stress and altered contractile protein expression. <i>Journal of Biological Chemistry</i> , 2014 , 289, 4145-60	5.4	107
61	Chronic inhibition of phosphodiesterase 5 with tadalafil attenuates mitochondrial dysfunction in type 2 diabetic hearts: potential role of NO/SIRT1/PGC-1 β signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H1558-68	5.2	61
60	Sirtuin 1 (SIRT1) activation mediates sildenafil induced delayed cardioprotection against ischemia-reperfusion injury in mice. <i>PLoS ONE</i> , 2014 , 9, e86977	3.7	43
59	Type 2 diabetic obese db/db mice are refractory to myocardial ischaemic post-conditioning in vivo: potential role for Hsp20, F1-ATPase and Echs1. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 950-8	5.6	31
58	Dietary inorganic nitrate alleviates doxorubicin cardiotoxicity: mechanisms and implications. <i>Nitric Oxide - Biology and Chemistry</i> , 2012 , 26, 274-84	5	34
57	Intermittent Hypoxia and Human Diseases 2012 ,		11
56	Chronic treatment with long acting phosphodiesterase-5 inhibitor tadalafil alters proteomic changes associated with cytoskeletal rearrangement and redox regulation in Type 2 diabetic hearts. <i>Basic Research in Cardiology</i> , 2012 , 107, 249	11.8	24
55	Individualized Intermittent Hypoxia Training: Principles and Practices 2012 , 281-289		4

54	Intermittent Hypoxia and Atherosclerosis 2012 , 29-45		3
53	Dietary nitrate supplementation protects against Doxorubicin-induced cardiomyopathy by improving mitochondrial function. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 2181-9	15.1	71
52	Identification of protein targets underlying dietary nitrate-induced protection against doxorubicin cardiotoxicity. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 2512-24	5.6	20
51	A rapid and simple chemiluminescence method for screening levels of inosine and hypoxanthine in non-traumatic chest pain patients. <i>Luminescence</i> , 2011 , 26, 65-75	2.5	12
50	Emerging new uses of phosphodiesterase-5 inhibitors in cardiovascular diseases. <i>Experimental and Clinical Cardiology</i> , 2011 , 16, e30-5		39
49	Long-acting phosphodiesterase-5 inhibitor tadalafil attenuates doxorubicin-induced cardiomyopathy without interfering with chemotherapeutic effect. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 334, 1023-30	4.7	80
48	Hypoxia inducible factor 1 (HIF-1) and cardioprotection. <i>Acta Pharmacologica Sinica</i> , 2010 , 31, 1085-94	8	102
47	A simple and sensitive HPLC fluorescence method for determination of tadalafil in mouse plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 2891-5 ²		31
46	Rapamycin (Sirolimus) induced protection against ischemia-reperfusion injury is mediated through AMPK, Akt and JAK/STAT pathways in mouse heart. <i>FASEB Journal</i> , 2010 , 24, 601.6	0.9	
45	Phosphodiesterase-5 Inhibition with Tadalafil Attenuates Left Ventricular Dysfunction and Cardiomyocyte Apoptosis in Doxorubicin-induced Cardiotoxicity in Mice. <i>FASEB Journal</i> , 2010 , 24, 785.10 ^{0.9}		1
44	ERK phosphorylation mediates sildenafil-induced myocardial protection against ischemia-reperfusion injury in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H1236-43	5.2	110
43	Pivotal effects of phosphodiesterase inhibitors on myocyte contractility and viability in normal and ischemic hearts. <i>Acta Pharmacologica Sinica</i> , 2009 , 30, 1-24	8	45
42	Essential role of mitochondrial Ca ²⁺ -activated and ATP-sensitive K ⁺ channels in sildenafil-induced late cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 44, 105-13	5.8	67
41	Protein kinase G-dependent cardioprotective mechanism of phosphodiesterase-5 inhibition involves phosphorylation of ERK and GSK3beta. <i>Journal of Biological Chemistry</i> , 2008 , 283, 29572-85	5.4	153
40	Loss of myocardial ischemic postconditioning in adenosine A1 and bradykinin B2 receptors gene knockout mice. <i>Circulation</i> , 2008 , 118, S32-7	16.7	62
39	Regulation of leptin by hypoxia. <i>Journal of Applied Physiology</i> , 2008 , 105, 1687-90	3.7	5
38	Nonurologic applications of phosphodiesterase type 5 inhibitors. <i>Current Sexual Health Reports</i> , 2007 , 4, 64-70	1.2	1
37	Anti-ischemic effects of sildenafil, vardenafil and tadalafil in heart. <i>International Journal of Impotence Research</i> , 2007 , 19, 226-7	2.3	14

36	Effects of salicylic acid on post-ischaemic ventricular function and purine efflux in isolated mouse hearts. <i>Biomarkers</i> , 2007 , 12, 623-34	2.6	8
35	eNOS phosphorylation: a pivotal molecular switch in vasodilation and cardioprotection?. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 280-2	5.8	55
34	High-performance liquid chromatography (HPLC) determination of inosine, a potential biomarker for initial cardiac ischaemia, using isolated mouse hearts. <i>Biomarkers</i> , 2006 , 11, 449-59	2.6	11
33	Rapamycin confers preconditioning-like protection against ischemia-reperfusion injury in isolated mouse heart and cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 41, 256-64	5.8	166
32	Myocardial Protection by Monophosphoryl Lipid A: Potential Mechanisms. <i>Cardiovascular Drug Reviews</i> , 2006 , 17, 265-280		
31	Genetic deletion of fas receptors or Fas ligands does not reduce infarct size after acute global ischemia-reperfusion in isolated mouse heart. <i>Cell Biochemistry and Biophysics</i> , 2006 , 44, 111-7	3.2	7
30	Hypercholesterolemia enhances tolerance to lethal systemic hypoxia in middle-aged mice: possible role of VEGF downregulation in brain. <i>Molecular and Cellular Biochemistry</i> , 2006 , 291, 205-11	4.2	22
29	Silencing heat shock factor 1 by small interfering RNA abrogates heat shock-induced cardioprotection against ischemia-reperfusion injury in mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 39, 681-9	5.8	39
28	Pharmacological preconditioning with sildenafil: Basic mechanisms and clinical implications. <i>Vascular Pharmacology</i> , 2005 , 42, 219-32	5.9	155
27	Phosphodiesterase-5 inhibitor sildenafil preconditions adult cardiac myocytes against necrosis and apoptosis. Essential role of nitric oxide signaling. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12944-55	5.4	272
26	Opening of Ca ²⁺ -activated K ⁺ channels triggers early and delayed preconditioning against I/R injury independent of NOS in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H2070-7	5.2	68
25	Cobalt chloride induces delayed cardiac preconditioning in mice through selective activation of HIF-1alpha and AP-1 and iNOS signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H2369-75	5.2	107
24	Cardioprotection with phosphodiesterase-5 inhibition--a novel preconditioning strategy. <i>Journal of Molecular and Cellular Cardiology</i> , 2004 , 36, 165-73	5.8	131
23	Sildenafil-induced cardioprotection in rabbits. <i>Cardiovascular Research</i> , 2003 , 60, 700-1; author reply 702-3	9.9	17
22	Sildenafil induces delayed preconditioning through inducible nitric oxide synthase-dependent pathway in mouse heart. <i>Circulation Research</i> , 2003 , 92, 595-7	15.7	205
21	Evidence that NOS2 acts as a trigger and mediator of late preconditioning induced by acute systemic hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H5-12	5.2	50
20	Exercise does not protect the female heart: an unconvincing conclusion?. <i>Circulation Research</i> , 2002 , 91, e2	15.7	7
19	Mitogen-activated protein kinases mediate heat shock-induced delayed protection in mouse heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H523-32	5.2	27

18	Pivotal role of nitric oxide in delayed pharmacological preconditioning against myocardial infarction. <i>Toxicology</i> , 2000 , 155, 37-44	4.4	21
17	Inducible nitric oxide synthase mediates delayed myocardial protection induced by activation of adenosine A(1) receptors: evidence from gene-knockout mice. <i>Circulation</i> , 2000 , 102, 902-7	16.7	135
16	Glycolipid RC-552 induces delayed preconditioning-like effect via iNOS-dependent pathway in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 277, H2418-24	5.2	15
15	Essential role of inducible nitric oxide synthase in monophosphoryl lipid A-induced late cardioprotection: evidence from pharmacological inhibition and gene knockout mice. <i>Circulation</i> , 1999 , 99, 2157-63	16.7	121
14	Myocardial preconditioning: Basic concepts and potential mechanisms. <i>Molecular and Cellular Biochemistry</i> , 1999 , 196, 3-12	4.2	37
13	Myocardial ischemia/reperfusion injury in the inducible nitric oxide synthase knockout mice. <i>Life Sciences</i> , 1999 , 65, 935-45	6.8	28
12	Myocardial preconditioning: Basic concepts and potential mechanisms 1999 , 3-12		1
11	Ischemic preconditioning in isolated perfused mouse heart: Reduction in infarct size without improvement of post-ischemic ventricular function. <i>Molecular and Cellular Biochemistry</i> , 1998 , 186, 69-77 ^{4.2}		43
10	Whole body heat shock fails to protect mouse heart against ischemia/reperfusion injury: role of 72 kDa heat shock protein and antioxidant enzymes. <i>Journal of Molecular and Cellular Cardiology</i> , 1998 , 30, 2213-27	5.8	30
9	Neural-mechanical coupling of breathing in REM sleep. <i>Journal of Applied Physiology</i> , 1997 , 83, 1923-32	3.7	20
8	The role of pulmonary CO ₂ flow in the control of the phase I ventilatory response to exercise in humans. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1995 , 71, 287-94		4
7	A volume-dependent apneic threshold during NREM sleep in the dog. <i>Journal of Applied Physiology</i> , 1994 , 76, 2315-25	3.7	32
6	Effects of REM sleep on the ventilatory response to airway occlusion in the dog. <i>Sleep</i> , 1994 , 17, 674-87	1.1	8
5	Effects of memory from vagal feedback on short-term potentiation of ventilation in conscious dogs. <i>Journal of Physiology</i> , 1993 , 462, 547-61	3.9	14
4	Apnoea following normocapnic mechanical ventilation in awake mammals: a demonstration of control system inertia. <i>Journal of Physiology</i> , 1993 , 472, 749-68	3.9	43
3	Effects of rapid-eye-movement sleep on the apneic threshold in dogs. <i>Journal of Applied Physiology</i> , 1993 , 75, 1129-39	3.7	28
2	Ventilatory response to exercise after heart and lung denervation in humans. <i>Respiration Physiology</i> , 1993 , 92, 289-304		26
1	Effects of acute hypoxia on ventilatory response at the onset of submaximal exercise. <i>The Japanese Journal of Physiology</i> , 1990 , 40, 417-22		2

