

Dai-Min Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

594
citations

759233

12
h-index

642732

23
g-index

42
all docs

42
docs citations

42
times ranked

791
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical roles of a small conductance Ca ²⁺ -activated K ⁺ channel (SK3) in the repolarization process of atrial myocytes. <i>Cardiovascular Research</i> , 2014, 101, 317-325.	3.8	73
2	Regulation of Coronary Arterial BK Channels by Caveolae-Mediated Angiotensin II Signaling in Diabetes Mellitus. <i>Circulation Research</i> , 2010, 106, 1164-1173.	4.5	67
3	Activation of cGMP-Dependent Protein Kinase Stimulates Cardiac ATP-Sensitive Potassium Channels via a ROS/Calmodulin/CaMKII Signaling Cascade. <i>PLoS ONE</i> , 2011, 6, e18191.	2.5	57
4	Muscle-Specific F-Box Only Proteins Facilitate BK Channel β_1 Subunit Downregulation in Vascular Smooth Muscle Cells of Diabetes Mellitus. <i>Circulation Research</i> , 2010, 107, 1454-1459.	4.5	49
5	Intracellular signalling mechanism responsible for modulation of sarcolemmal ATP-sensitive potassium channels by nitric oxide in ventricular cardiomyocytes. <i>Journal of Physiology</i> , 2014, 592, 971-990.	2.9	48
6	Exogenous hydrogen sulfide attenuates the development of diabetic cardiomyopathy via the FoxO1 pathway. <i>Journal of Cellular Physiology</i> , 2018, 233, 9786-9798.	4.1	35
7	HDAC1 and 2 regulate endothelial VCAM-1 expression and atherogenesis by suppressing methylation of the <i>GATA6</i> promoter. <i>Theranostics</i> , 2021, 11, 5605-5619.	10.0	25
8	Small-conductance Ca ²⁺ -activated K ⁺ channels: insights into their roles in cardiovascular disease. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-7.	7.7	24
9	Melatonin Alleviates Age-Associated Endothelial Injury of Atherosclerosis via Regulating Telomere Function. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 6799-6812.	3.5	23
10	Functional regulation of large conductance Ca ²⁺ -activated K ⁺ channels in vascular diseases. <i>Metabolism: Clinical and Experimental</i> , 2018, 83, 75-80.	3.4	22
11	Regulation of Coronary Arterial Large Conductance Ca ²⁺ -Activated K ⁺ Channel Protein Expression and Function by n-3 Polyunsaturated Fatty Acids in Diabetic Rats. <i>Journal of Vascular Research</i> , 2017, 54, 329-343.	1.4	16
12	(-)-Epigallocatechin-3-Gallate Inhibits eNOS Uncoupling and Alleviates High Glucose-Induced Dysfunction and Apoptosis of Human Umbilical Vein Endothelial Cells by PI3K/AKT/eNOS Pathway. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 2495-2504.	2.4	14
13	Puerarin alleviates coronary heart disease via suppressing inflammation in a rat model. <i>Gene</i> , 2021, 771, 145354.	2.2	14
14	Cardiac function modulation depends on the A β kinase anchoring protein complex. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 7170-7179.	3.6	12
15	Downregulation of vascular endothelial growth factor receptor-2 under oxidative stress conditions is mediated by β_2 -transduction repeat-containing protein via glycogen synthase kinase-3 β signaling. <i>International Journal of Molecular Medicine</i> , 2016, 37, 911-920.	4.0	10
16	Critical regulation of atherosclerosis by the KCa3.1 channel and the retargeting of this therapeutic target in in-stent neoatherosclerosis. <i>Journal of Molecular Medicine</i> , 2019, 97, 1219-1229.	3.9	10
17	In-Stent Restenosis and a Drug-Coated Balloon: Insights from a Clinical Therapeutic Strategy on Coronary Artery Diseases. <i>Cardiology Research and Practice</i> , 2020, 2020, 1-7.	1.1	10
18	Functional protection against cardiac diseases depends on ATP-sensitive potassium channels. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5801-5806.	3.6	9

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19	Pathogenesis and Molecular Immune Mechanism of Calcified Aortic Valve Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 765419.	2.4	8
20	Identification of vital modules and genes associated with heart failure based on weighted gene coexpression network analysis. <i>ESC Heart Failure</i> , 2022, 9, 1370-1379.	3.1	7
21	Comprehensive analysis of the ceRNA network in coronary artery disease. <i>Scientific Reports</i> , 2021, 11, 24279.	3.3	7
22	Oxycodone protects cardiac microvascular endothelial cells against ischemia/reperfusion injury by binding to Sigma-1 Receptor. <i>Bioengineered</i> , 2022, 13, 9628-9644.	3.2	7
23	Mechanisms of BK Channel Activation by Docosahexaenoic Acid in Rat Coronary Arterial Smooth Muscle Cells. <i>Frontiers in Pharmacology</i> , 2018, 9, 223.	3.5	6
24	Functional modulation of sarcolemmal KATP channels by atrial natriuretic peptide-elicited intracellular signaling in adult rabbit ventricular cardiomyocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C194-C207.	4.6	6
25	mTOR Inhibition Promotes Pneumonitis through Inducing Endothelial Contraction and Hyperpermeability. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 65, 646-657.	2.9	5
26	Targeting the KCa3.1 channel suppresses diabetes-associated atherosclerosis via the STAT3/CD36 axis. <i>Diabetes Research and Clinical Practice</i> , 2022, , 109776.	2.8	5
27	Knockout of AKAP150 improves impaired BK channel-mediated vascular dysfunction through the Akt/GSK3 β signalling pathway in diabetes mellitus. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 4716-4725.	3.6	4
28	Adropin inhibits the phenotypic modulation and proliferation of vascular smooth muscle cells during neointimal hyperplasia by activating the AMPK/ACC signaling pathway. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 560.	1.8	3
29	Potential Mechanisms of In-stent Neointimal Atherosclerotic Plaque Formation. <i>Journal of Cardiovascular Pharmacology</i> , 2021, 78, 388-393.	1.9	3
30	Gycyrrhizic acid alleviates atherosclerotic lesions in rats with diabetes mellitus. <i>Molecular Medicine Reports</i> , 2021, 24, .	2.4	3
31	Evaluation on curative effects of ethylene diamine tetra-acetic acid chelation therapy in treating with atherosclerotic cardiovascular disease. <i>Medicine (United States)</i> , 2020, 99, e23346.	1.0	3
32	APPL1 ameliorates myocardial ischemia-reperfusion injury by regulating the AMPK signaling pathway. <i>Experimental and Therapeutic Medicine</i> , 2021, 23, 157.	1.8	3
33	Effect of BIN1 on cardiac dysfunction and malignant arrhythmias. <i>Acta Physiologica</i> , 2020, 228, e13429.	3.8	1
34	Potassium Channels in the Vascular Diseases. , 2020, , .		1
35	Percutaneous Coronary Intervention Compared with Coronary Artery Bypass Graft Surgery for Patients With 3-vessel Disease: A Preferred Reporting Items for Systematic Reviews and Meta-Analyses-compliant Systematic Review and Meta-analysis. <i>Journal of Cardiovascular Pharmacology</i> , 2020, 76, 527-532.	1.9	1
36	Functional Modulation of Cardiac ATP-Sensitive Potassium Channels by Nitric Oxide via Intracellular Signaling. <i>Biophysical Journal</i> , 2013, 104, 24a.	0.5	0

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37	Critical Roles of SK3 Calcium-Activated Potassium Channels in the Repolarization of Atrial Myocytes. <i>Biophysical Journal</i> , 2014, 106, 118a.	0.5	0
38	Modulation of Sarcolemmal ATP-Sensitive Potassium Channels by Atrial Natriuretic Peptide in Ventricular Cardiomyocytes. <i>Biophysical Journal</i> , 2014, 106, 541a.	0.5	0
39	Functional Regulation of Small Conductance Calcium Activated Potassium Channel on Atrial Myocytes by Hydrogen Sulfide in Diabetes Mellitus. <i>Biophysical Journal</i> , 2017, 112, 426a.	0.5	0
40	Abstract 376: Nedd4 Regulated Bk Channels in Diabetes Mellitus. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, .	2.4	0
41	Cytokine storms caused by novel coronavirus 2019 and treatment for cardiac injury. <i>European Review for Medical and Pharmacological Sciences</i> , 2020, 24, 12527-12535.	0.7	0