

Mei Zhang

List of Publications by Year in descending order

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47
papers

648
citations

623734

14
h-index

642732

23
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48
all docs

48
docs citations

48
times ranked

1089
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Stretch Suppresses microRNA-145 Expression by Activating Extracellular Signal-Regulated Kinase 1/2 and Upregulating Angiotensin-Converting Enzyme to Alter Vascular Smooth Muscle Cell Phenotype. <i>PLoS ONE</i> , 2014, 9, e96338.	2.5	62
2	Dickkopf1 destabilizes atherosclerotic plaques and promotes plaque formation by inducing apoptosis of endothelial cells through activation of ER stress. <i>Cell Death and Disease</i> , 2017, 8, e2917-e2917.	6.3	55
3	Upregulation of miR-142-5p in atherosclerotic plaques and regulation of oxidized low-density lipoprotein-induced apoptosis in macrophages. <i>Molecular Medicine Reports</i> , 2015, 11, 3229-3234.	2.4	37
4	MicroRNA-124-3p inhibits collagen synthesis in atherosclerotic plaques by targeting prolyl 4-hydroxylase subunit alpha-1 (P4HA1) in vascular smooth muscle cells. <i>Atherosclerosis</i> , 2018, 277, 98-107.	0.8	37
5	Upregulation of angiotensin converting enzyme 2 by shear stress reduced inflammation and proliferation in vascular endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 812-818.	2.1	37
6	Interleukin 6 destabilizes atherosclerotic plaques by downregulating prolyl-4-hydroxylase ± 1 via a mitogen-activated protein kinase and c-Jun pathway. <i>Archives of Biochemistry and Biophysics</i> , 2012, 528, 127-133.	3.0	32
7	CoCl ₂ increases the expression of hypoxic markers HIF-1 \pm , VEGF and CXCR4 in breast cancer MCF-7 cells. <i>Oncology Letters</i> , 2018, 15, 1119-1124.	1.8	27
8	Adiponectin reduces carotid atherosclerotic plaque formation in ApoE ^{-/-} mice: Roles of oxidative and nitrosative stress and inducible nitric oxide synthase. <i>Molecular Medicine Reports</i> , 2015, 11, 1715-1721.	2.4	25
9	Upregulation of Dickkopf1 by oscillatory shear stress accelerates atherogenesis. <i>Journal of Molecular Medicine</i> , 2016, 94, 431-441.	3.9	25
10	Left Ventricular Energy Loss Assessed by Vector Flow Mapping in Patients with Prediabetes and Type 2 Diabetes Mellitus. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 1730-1740.	1.5	24
11	Induction of DKK1 by oxLDL negatively regulates intracellular lipid accumulation in macrophages. <i>FEBS Letters</i> , 2015, 589, 52-58.	2.8	20
12	Effect of Adiponectin Overexpression on Stability of Preexisting Plaques by Inducing Prolyl-4-Hydroxylase Expression. <i>Circulation Journal</i> , 2010, 74, 552-559.	1.6	19
13	Lys-AuNPs@MoS ₂ Nanocomposite Self-Assembled Microfluidic Immunoassay Biochip for Ultrasensitive Detection of Multiplex Biomarkers for Cardiovascular Diseases. <i>Analytical Chemistry</i> , 2022, 94, 4720-4728.	6.5	17
14	NPR-C gene polymorphism is associated with increased susceptibility to coronary artery disease in Chinese Han population: a multicenter study. <i>Oncotarget</i> , 2016, 7, 33662-33674.	1.8	15
15	Targeting blood thrombogenicity precipitates atherothrombotic events in a mouse model of plaque destabilization. <i>Scientific Reports</i> , 2015, 5, 10225.	3.3	14
16	Dickkopf-1 promotes Vascular Smooth Muscle Cell proliferation and migration through upregulating UHRF1 during Cyclic Stretch application. <i>International Journal of Biological Sciences</i> , 2021, 17, 1234-1249.	6.4	13
17	XRCC1&/em>; rs1799782 (C194T) polymorphism correlated with tumor metastasis and molecular subtypes in breast cancer. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 8435-8444.	2.0	12
18	Left ventricular and atrial remodelling in hypertensive patients using thresholds from international guidelines and EMINCA data. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 166-174.	1.2	12

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19	Assessment of Myocardial Work in Cancer Therapy-Related Cardiac Dysfunction and Analysis of CTRCD Prediction by Echocardiography. <i>Frontiers in Pharmacology</i> , 2021, 12, 770580.	3.5	12
20	Phospholipid Transfer Protein Destabilizes Mouse Atherosclerotic Plaque. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2537-2544.	2.4	11
21	Upregulation of Endothelial DKK1 (Dickkopf 1) Promotes the Development of Pulmonary Hypertension Through the Sp1 (Specificity Protein 1)/SHMT2 (Serine Hydroxymethyltransferase 2) Pathway. <i>Hypertension</i> , 2022, 79, 960-973.	2.7	11
22	Impact of blood pressure changes on myocardial work indices in hypertensive patients in a day. <i>Journal of Clinical Hypertension</i> , 2022, 24, 3-14.	2.0	11
23	CCR4 Expression Is Associated With Poor Prognosis in Patients With Early Stage (pN0) Oral Tongue Cancer. <i>Journal of Oral and Maxillofacial Surgery</i> , 2019, 77, 426-432.	1.2	10
24	The Diagnostic Value of Radial and Carotid Intima Thickness Measured by High-Resolution Ultrasound for Ischemic Stroke. <i>Journal of the American Society of Echocardiography</i> , 2021, 34, 72-82.	2.8	10
25	NKAP functions as an oncogene and its expression is induced by CoCl ₂ treatment in breast cancer via AKT/mTOR signaling pathway. <i>Cancer Management and Research</i> , 2018, Volume 10, 5091-5100.	1.9	9
26	Evaluation of hemodynamics in patients with hypertrophic cardiomyopathy by vector flow mapping: Comparison with healthy subjects. <i>Experimental and Therapeutic Medicine</i> , 2019, 17, 4379-4388.	1.8	9
27	The pro-angiogenesis effect of miR33a-5p/Ets-1/DKK1 signaling in ox-LDL induced HUVECs. <i>International Journal of Biological Sciences</i> , 2021, 17, 4122-4139.	6.4	9
28	A Novel Mathematical Model for Correcting the Physiologic Variance of Two-Dimensional Echocardiographic Measurements in Healthy Chinese Adults. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 876-883.e11.	2.8	8
29	The independent and add-on values of radial intima thickness measured by ultrasound biomicroscopy for diagnosis of coronary artery disease. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 889-896.	1.2	8
30	Mechanical Stretch Induces Smooth Muscle Cell Dysfunction by Regulating ACE2 via P38/ATF3 and Post-transcriptional Regulation by miR-421. <i>Frontiers in Physiology</i> , 2020, 11, 540591.	2.8	8
31	Atheroprotective Pulsatile Flow Induces Ubiquitin-Proteasome-Mediated Degradation of Programmed Cell Death 4 in Endothelial Cells. <i>PLoS ONE</i> , 2014, 9, e91564.	2.5	8
32	Physiological cyclic stretch up-regulates angiotensin-converting enzyme 2 expression to reduce proliferation and migration of vascular smooth muscle cells. <i>Bioscience Reports</i> , 2020, 40, .	2.4	7
33	Traditional Chinese Medication Tongxinluo Attenuates Lipidosis in Ox-LDL-Stimulated Macrophages by Enhancing Beclin-1-Induced Autophagy. <i>Frontiers in Pharmacology</i> , 2021, 12, 673366.	3.5	5
34	Dickkopf1 (Dkk1) Alleviates Vascular Calcification by Regulating the Degradation of Phospholipase D1 (PLD1). <i>Journal of Cardiovascular Translational Research</i> , 2022, 15, 1327-1339.	2.4	5
35	Long-term use of first-line highly active antiretroviral therapy is not associated with carotid artery stiffness in human immunodeficiency virus-positive patients. <i>Brazilian Journal of Infectious Diseases</i> , 2014, 18, 496-500.	0.6	3
36	Overexpression of Prolyl-4-Hydroxylase-1 Stabilizes but Increases Shear Stress-Induced Atherosclerotic Plaque in Apolipoprotein E-Deficient Mice. <i>Disease Markers</i> , 2016, 2016, 1-8.	1.3	3

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37	Differential value of intima thickness in ischaemic stroke due to largeâ€ artery atherosclerosis and smallâ€ vessel occlusion. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 9427-9433.	3.6	3
38	Cardiotoxicity of anthracyclineâ€ free targeted oncological therapies in HER2â€ positive breast cancer (Review). <i>Oncology Letters</i> , 2020, 21, 100.	1.8	3
39	Prolyl-4-hydroxylase-1 improves the stability of advanced plaques but accelerates the atherosclerotic lesion formation of early plaques. <i>European Heart Journal Supplements</i> , 2015, 17, C49-C58.	0.1	2
40	Plasma biomarkers and plaque strain predict long-term cardiovascular events in patients with acute coronary syndrome. <i>Science China Life Sciences</i> , 2020, 63, 269-278.	4.9	2
41	Identification of a germline mutation in the HRPT2 gene in a Chinese family with parathyroid carcinomas. <i>Intractable and Rare Diseases Research</i> , 2012, 1, 27-9.	0.9	2
42	Identification of Flow-Limiting Coronary Stenosis With PCS: A New Cost-Effective Index Derived From the Product of Corrected TIMI Frame Count and Percent Diameter Stenosis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 718935.	2.4	2
43	The Application of Ultrasonic Velocity Vector Imaging Technique of Carotid Plaque in Predicting Large-Artery Atherosclerotic Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, 1351-1356.	1.6	1
44	Morphological study of atherosclerotic plaque and its application in vulnerability evaluation. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2008, 51, 867-872.	0.2	0
45	CW24-e3795â€...Effect Of Carvedilol on Left Ventricular Function in Hypertension Patients with the Normal Configuration using Bull'S Eye Chart Parameters of Real-Time Hee-Dimensional Echocardiography. <i>Heart</i> , 2013, 99, A275.3-A276.	2.9	0
46	Biomarkers with Potential Predictive Value for Cardiotoxicity in Anticancer Treatments. <i>Chinese Medical Sciences Journal</i> , 2019, 36, 1.	0.4	0
47	Knowledge of Hyperemic Myocardial Blood Flow in Healthy Subjects Helps Identify Myocardial Ischemia in Patients With Coronary Artery Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 817911.	2.4	0