

Dong Fan

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,500
citations

257450

24
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

4581
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac fibroblasts, fibrosis and extracellular matrix remodeling in heart disease. <i>Fibrogenesis and Tissue Repair</i> , 2012, 5, 15.	3.4	630
2	Angiotensin II induced proteolytic cleavage of myocardial ACE2 is mediated by TACE/ADAM-17: A positive feedback mechanism in the RAS. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 66, 167-176.	1.9	263
3	Angiotensin II increases periostin expression via Ras/p38 MAPK/CREB and ERK1/2/TGF- β 1 pathways in cardiac fibroblasts. <i>Cardiovascular Research</i> , 2011, 91, 80-89.	3.8	151
4	Tissue inhibitor of metalloproteinases (TIMPs) in heart failure. <i>Heart Failure Reviews</i> , 2012, 17, 693-706.	3.9	111
5	Activation of NLRP3 inflammasomes contributes to hyperhomocysteinemia-aggravated inflammation and atherosclerosis in apoE-deficient mice. <i>Laboratory Investigation</i> , 2017, 97, 922-934.	3.7	103
6	Differential role of TIMP2 and TIMP3 in cardiac hypertrophy, fibrosis, and diastolic dysfunction. <i>Cardiovascular Research</i> , 2014, 103, 268-280.	3.8	98
7	Cardioprotective Effects Mediated by Angiotensin II Type 1 Receptor Blockade and Enhancing Angiotensin 1-7 in Experimental Heart Failure in Angiotensin-Converting Enzyme 2 ^{-/-} Null Mice. <i>Hypertension</i> , 2012, 59, 1195-1203.	2.7	97
8	Lack of Tissue Inhibitor of Metalloproteinases 2 Leads to Exacerbated Left Ventricular Dysfunction and Adverse Extracellular Matrix Remodeling in Response to Biomechanical Stress. <i>Circulation</i> , 2011, 124, 2094-2105.	1.6	90
9	Iron-overload injury and cardiomyopathy in acquired and genetic models is attenuated by resveratrol therapy. <i>Scientific Reports</i> , 2015, 5, 18132.	3.3	85
10	Divergent Roles of Matrix Metalloproteinase 2 in Pathogenesis of Thoracic Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 888-898.	2.4	84
11	Angiotensin-Converting Enzyme 2 Is a Critical Determinant of Angiotensin II ⁻ Induced Loss of Vascular Smooth Muscle Cells and Adverse Vascular Remodeling. <i>Hypertension</i> , 2014, 64, 157-164.	2.7	81
12	Biology of Tissue Inhibitor of Metalloproteinase 3 (TIMP3), and Its Therapeutic Implications in Cardiovascular Pathology. <i>Frontiers in Physiology</i> , 2020, 11, 661.	2.8	78
13	Matrix as an Interstitial Transport System. <i>Circulation Research</i> , 2014, 114, 889-902.	4.5	67
14	Loss of Timp3 Gene Leads to Abdominal Aortic Aneurysm Formation in Response to Angiotensin II. <i>Journal of Biological Chemistry</i> , 2012, 287, 44083-44096.	3.4	62
15	TIMP3 is the primary TIMP to regulate agonist-induced vascular remodelling and hypertension. <i>Cardiovascular Research</i> , 2013, 98, 360-371.	3.8	58
16	PI3K β -regulated gelsolin activity is a critical determinant of cardiac cytoskeletal remodeling and heart disease. <i>Nature Communications</i> , 2018, 9, 5390.	12.8	52
17	Loss of p47 ^{phox} Subunit Enhances Susceptibility to Biomechanical Stress and Heart Failure Because of Dysregulation of Cortactin and Actin Filaments. <i>Circulation Research</i> , 2013, 112, 1542-1556.	4.5	51
18	Myocardial Recovery From Ischemia ⁻ Reperfusion Is Compromised in the Absence of Tissue Inhibitor of Metalloproteinase 4. <i>Circulation: Heart Failure</i> , 2014, 7, 652-662.	3.9	50

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19	Insulin decreases myocardial adiponectin receptor 1 expression via PI3K/Akt and FoxO1 pathway. Cardiovascular Research, 2012, 93, 69-78.	3.8	45
20	Globular adiponectin inhibits angiotensin II-induced nuclear factor κ B activation through AMP-activated protein kinase in cardiac hypertrophy. Journal of Cellular Physiology, 2010, 222, 149-155.	4.1	44
21	Loss of TIMP3 selectively exacerbates diabetic nephropathy. American Journal of Physiology - Renal Physiology, 2012, 303, F1341-F1352.	2.7	39
22	Cardiomyocyte A Disintegrin And Metalloproteinase 17 (ADAM17) Is Essential in Post-Myocardial Infarction Repair by Regulating Angiogenesis. Circulation: Heart Failure, 2015, 8, 970-979.	3.9	38
23	A Disintegrin and Metalloprotease-17 Regulates Pressure Overload-Induced Myocardial Hypertrophy and Dysfunction Through Proteolytic Processing of Integrin β 1. Hypertension, 2016, 68, 937-948.	2.7	37
24	Heterozygote loss of ACE2 is sufficient to increase the susceptibility to heart disease. Journal of Molecular Medicine, 2014, 92, 847-858.	3.9	34
25	Crosstalk between angiotensin II and platelet derived growth factor-BB mediated signal pathways in cardiomyocytes. Chinese Medical Journal, 2008, 121, 236-240.	2.3	16
26	Adiponectin induces interleukin-6 production and its underlying mechanism in adult rat cardiac fibroblasts. Journal of Cellular Physiology, 2011, 226, 1793-1802.	4.1	15
27	Src tyrosine kinase regulates angiotensin II-induced protein kinase C α activation and proliferation in vascular smooth muscle cells. Peptides, 2010, 31, 1159-1164.	2.4	10
28	Modulation of Cardiac Fibrosis in and Beyond Cells. Frontiers in Molecular Biosciences, 2021, 8, 750626.	3.5	5
29	Tissue Inhibitor of Matrix Metalloproteinases in the Pathogenesis of Heart Failure Syndromes. , 2013, , 445-465.		0
30	Remodelling of the Cardiac Extracellular Matrix: Role of Collagen Degradation and Accumulation in Pathogenesis of Heart Failure. , 2015, , 219-235.		0