Zamaneh Kassiri

List of Publications by Year
in descending order

105 papers	8,345 citations	44069 48 h-index	48315 88 g-index
105 all docs	105 docs citations	105 times ranked	10268 citing authors

#	Article	IF	Citations
1	Sex- and age-specific regulation of ACE2: Insights into severe COVID-19 susceptibility. Journal of Molecular and Cellular Cardiology, 2022, 164, 13-16.	1.9	28
2	Dysregulation of ACE (Angiotensin-Converting Enzyme)-2 and Renin-Angiotensin Peptides in SARS-CoV-2 Mediated Mortality and End-Organ Injuries. Hypertension, 2022, 79, 365-378.	2.7	50
3	ADAM15 is required for optimal collagen cross-linking and scar formation following myocardial infarction. Matrix Biology, 2022, 105, 127-143.	3.6	9
4	Disintegrin and Metalloproteinases (ADAMs [A Disintegrin and Metalloproteinase] and ADAMTSs) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	3
5	Function of TGFÎ² (Transforming Growth Factor-Î²) Receptor in the Vein Is Not in Vain. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 884-885.	2.4	1
6	The Human Explanted Heart Program: A translational bridge for cardiovascular medicine. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2021, 1867, 165995.	3.8	14
7	Soluble Epoxide Hydrolase in Aged Female Mice and Human Explanted Hearts Following Ischemic Injury. International Journal of Molecular Sciences, 2021, 22, 1691.	4.1	12
8	Diverse origins and activation of fibroblasts in cardiac fibrosis. Cellular Signalling, 2021, 78, 109869.	3.6	22
9	We are the change we seek. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1411-H1414.	3.2	4
10	Loss of TIMP4 (Tissue Inhibitor of Metalloproteinase 4) Promotes Atherosclerotic Plaque Deposition in the Abdominal Aorta Despite Suppressed Plasma Cholesterol Levels. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1874-1889.	2.4	10
11	Reperfused vs. nonreperfused myocardial infarction: when to use which model. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H208-H213.	3.2	29
12	Pharmacological and cell-specific genetic PI3KÎ± inhibition worsens cardiac remodeling after myocardial infarction. Journal of Molecular and Cellular Cardiology, 2021, 157, 17-30.	1.9	9
13	Gelsolin is an important mediator of Angiotensin IIâ€induced activation of cardiac fibroblasts and fibrosis. FASEB Journal, 2021, 35, e21932.	0.5	8
14	Reinforcing rigor and reproducibility expectations for use of sex and gender in cardiovascular research. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H819-H824.	3.2	49
15	Modulation of Cardiac Fibrosis in and Beyond Cells. Frontiers in Molecular Biosciences, 2021, 8, 750626.	3.5	5
16	Guidelines for in vivo mouse models of myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H1056-H1073.	3.2	53
17	Transcriptomic Bioinformatic Analyses of Atria Uncover Involvement of Pathways Related to Strain and Post-translational Modification of Collagen in Increased Atrial Fibrillation Vulnerability in Intensely Exercised Mice. Frontiers in Physiology, 2020, 11, 605671.	2.8	8
18	ADAM (a Disintegrin and Metalloproteinase) 15 Deficiency Exacerbates Ang II (Angiotensin II)â€“Induced Aortic Remodeling Leading to Abdominal Aortic Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1918-1934.	2.4	31

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19	Biology of Tissue Inhibitor of Metalloproteinase 3 (TIMP3), and Its Therapeutic Implications in Cardiovascular Pathology. Frontiers in Physiology, 2020, 11, 661.	2.8	78
20	Pathogenic mechanisms and the potential of drug therapies for aortic aneurysm. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H652-H670.	3.2	37
21	The Non-Fibrillar Side of Fibrosis: Contribution of the Basement Membrane, Proteoglycans, and Glycoproteins to Myocardial Fibrosis. Journal of Cardiovascular Development and Disease, 2019, 6, 35.	1.6	25
22	Apelin protects against abdominal aortic aneurysm and the therapeutic role of neutral endopeptidase resistant apelin analogs. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13006-13015.	7.1	39
23	Extracellular matrix, regional heterogeneity of the aorta, and aortic aneurysm. Experimental and Molecular Medicine, 2019, 51, 1-15.	7.7	116
24	Vitamin E alleviates non-alcoholic fatty liver disease in phosphatidylethanolamine N-methyltransferase deficient mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 14-25.	3.8	42
25	Apelin directs endothelial cell differentiation and vascular repair following immune-mediated injury. Journal of Clinical Investigation, 2019, 130, 94-107.	8.2	43
26	Disintegrin and metalloproteinases (ADAMs and ADAM-TSs), the emerging family of proteases in heart physiology and pathology. Current Opinion in Physiology, 2018, 1, 34-45.	1.8	9
27	PI3KÎ±-regulated gelsolin activity is a critical determinant of cardiac cytoskeletal remodeling and heart disease. Nature Communications, 2018, 9, 5390.	12.8	52
28	Disparate Remodeling of the Extracellular Matrix and Proteoglycans in Failing Pediatric Versus Adult Hearts. Journal of the American Heart Association, 2018, 7, e010427.	3.7	27
29	LOXury of inhibiting fibrosis in volume overload cardiomyopathy. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H629-H631.	3.2	0
30	Cell-Specific Functions of ADAM17 Regulate the Progression of Thoracic Aortic Aneurysm. Circulation Research, 2018, 123, 372-388.	4.5	51
31	TIMP3 deficiency exacerbates iron overload-mediated cardiomyopathy and liver disease. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H978-H990.	3.2	18
32	Guidelines for measuring cardiac physiology in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H733-H752.	3.2	220
33	Females Are Protected From Ironâ€Overload Cardiomyopathy Independent of Iron Metabolism: Key Role of Oxidative Stress. Journal of the American Heart Association, 2017, 6, .	3.7	29
34	Fenofibrate, but not ezetimibe, prevents fatty liver disease in mice lacking phosphatidylethanolamine N-methyltransferase. Journal of Lipid Research, 2017, 58, 656-667.	4.2	18
35	Genetic deletion of soluble epoxide hydrolase provides cardioprotective responses following myocardial infarction in aged mice. Prostaglandins and Other Lipid Mediators, 2017, 132, 47-58.	1.9	21
36	Myocardial overexpression of TIMP3 after myocardial infarction exerts beneficial effects by promoting angiogenesis and suppressing early proteolysis. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H224-H236.	3.2	50

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37	Tissue Inhibitor of Matrix Metalloproteinase-1 Promotes Myocardial Fibrosis by Mediating CD63â€“Integrin Î²1 Interaction. Hypertension, 2017, 69, 1092-1103.	2.7	108
38	Loss of smooth muscle cell disintegrin and metalloproteinase 17 transiently suppresses angiotensin II-induced hypertension and end-organ damage. Journal of Molecular and Cellular Cardiology, 2017, 103, 11-21.	1.9	32
39	Absence of Tissue Inhibitor of Metalloproteinase-4 (TIMP4) ameliorates high fat diet-induced obesity in mice due to defective lipid absorption. Scientific Reports, 2017, 7, 6210.	3.3	27
40	Inhibition of Soluble Epoxide Hydrolase Limits Mitochondrial Damage and Preserves Function Following Ischemic Injury. Frontiers in Pharmacology, 2016, 7, 133.	3.5	27
41	Resveratrol mediates therapeutic hepatic effects in acquired and genetic murine models of ironâ€overload. Liver International, 2016, 36, 246-257.	3.9	38
42	Crossing Into the Next Frontier of Cardiac Extracellular Matrix Research. Circulation Research, 2016, 119, 1040-1045.	4.5	50
43	Pioglitazone attenuates hepatic inflammation and fibrosis in phosphatidylethanolamine<i>N</i>-methyltransferase-deficient mice. American Journal of Physiology - Renal Physiology, 2016, 310, G526-G538.	3.4	32
44	Modulation of Systemic Metabolism by MMPâ€2: From MMPâ€2 Deficiency in Mice to MMPâ€2 Deficiency in Patients. , 2016, 6, 1935-1949.		37
45	Novel Role for Matrix Metalloproteinase 9 in Modulation of Cholesterol Metabolism. Journal of the American Heart Association, 2016, 5, .	3.7	19
46	A Disintegrin and Metalloprotease-17 Regulates Pressure Overloadâ€“Induced Myocardial Hypertrophy and Dysfunction Through Proteolytic Processing of Integrin Î²1. Hypertension, 2016, 68, 937-948.	2.7	37
47	Differential impact of mechanical unloading on structural and nonstructural components of the extracellular matrix in advanced human heart failure. Translational Research, 2016, 172, 30-44.	5.0	39
48	ADAMs family and relatives in cardiovascular physiology and pathology. Journal of Molecular and Cellular Cardiology, 2016, 93, 186-199.	1.9	51
49	Iron-overload injury and cardiomyopathy in acquired and genetic models is attenuated by resveratrol therapy. Scientific Reports, 2015, 5, 18132.	3.3	85
50	Extracellular Matrix Communication and Turnover in Cardiac Physiology and Pathology. , 2015, 5, 687-719.		93
51	Identification of a Novel Heartâ€“Liver Axis: Matrix Metalloproteinaseâ€2 Negatively Regulates Cardiac Secreted Phospholipase A ₂ to Modulate Lipid Metabolism and Inflammation in the Liver. Journal of the American Heart Association, 2015, 4, .	3.7	29
52	Matrix Metalloproteinase-2 Mediates a Mechanism of Metabolic Cardioprotection Consisting of Negative Regulation of the Sterol Regulatory Elementâ€“Binding Protein-2/3-Hydroxy-3-Methylglutaryl-CoA Reductase Pathway in the Heart. Hypertension, 2015, 65, 882-888.	2.7	19
53	Divergent Roles of Matrix Metalloproteinase 2 in Pathogenesis of Thoracic Aortic Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 888-898.	2.4	84
54	PI3KÎ± is essential for the recovery from Cre/tamoxifen cardiotoxicity and in myocardial insulin signalling but is not required for normal myocardial contractility in the adult heart. Cardiovascular Research, 2015, 105, 292-303.	3.8	16

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55	Cardiomyocyte A Disintegrin And Metalloproteinase 17 (ADAM17) Is Essential in Postâ€"Myocardial Infarction Repair by Regulating Angiogenesis. Circulation: Heart Failure, 2015, 8, 970-979.	3.9	38
56	Matrix Metalloproteinaseâ€2 Negatively Regulates Cardiac Secreted Phospholipase A ₂ to Modulate Inflammation and Fever. Journal of the American Heart Association, 2015, 4, .	3.7	31
57	Remodelling of the Cardiac Extracellular Matrix: Role of Collagen Degradation and Accumulation in Pathogenesis of Heart Failure. , 2015, , 219-235.		0
58	Circulating Levels of Tumor Necrosis Factor-Alpha Receptor 2 Are Increased in Heart Failure with Preserved Ejection Fraction Relative to Heart Failure with Reduced Ejection Fraction: Evidence for a Divergence in Pathophysiology. PLoS ONE, 2014, 9, e99495.	2.5	94
59	TIMP2 and TIMP3 have divergent roles in early renal tubulointerstitial injury. Kidney International, 2014, 85, 82-93.	5.2	52
60	Matrix as an Interstitial Transport System. Circulation Research, 2014, 114, 889-902.	4.5	67
61	Angiotensin II induced proteolytic cleavage of myocardial ACE2 is mediated by TACE/ADAM-17: A positive feedback mechanism in the RAS. Journal of Molecular and Cellular Cardiology, 2014, 66, 167-176.	1.9	263
62	Angiotensin 1â€"7 Ameliorates Diabetic Cardiomyopathy and Diastolic Dysfunction in <i>db/db</i> Mice by Reducing Lipotoxicity and Inflammation. Circulation: Heart Failure, 2014, 7, 327-339.	3.9	158
63	Angiotensin-Converting Enzyme 2 Is a Critical Determinant of Angiotensin IIâ€"Induced Loss of Vascular Smooth Muscle Cells and Adverse Vascular Remodeling. Hypertension, 2014, 64, 157-164.	2.7	81
64	Gender-dependent aortic remodelling in patients with bicuspid aortic valve-associated thoracic aortic aneurysm. Journal of Molecular Medicine, 2014, 92, 939-949.	3.9	14
65	Differential role of TIMP2 and TIMP3 in cardiac hypertrophy, fibrosis, and diastolic dysfunction. Cardiovascular Research, 2014, 103, 268-280.	3.8	98
66	Myocardial Recovery From Ischemiaâ€"Reperfusion Is Compromised in the Absence of Tissue Inhibitor of Metalloproteinase 4. Circulation: Heart Failure, 2014, 7, 652-662.	3.9	50
67	Phosphoinositide 3-kinase Î² mediates microvascular endothelial repair of thrombotic microangiopathy. Blood, 2014, 124, 2142-2149.	1.4	19
68	TIMP3 is the primary TIMP to regulate agonist-induced vascular remodelling and hypertension. Cardiovascular Research, 2013, 98, 360-371.	3.8	58
69	Loss of p47 ^{phox} Subunit Enhances Susceptibility to Biomechanical Stress and Heart Failure Because of Dysregulation of Cortactin and Actin Filaments. Circulation Research, 2013, 112, 1542-1556.	4.5	51
70	Loss of Apelin Exacerbates Myocardial Infarction Adverse Remodeling and Ischemiaâ€reperfusion Injury: Therapeutic Potential of Synthetic Apelin Analogues. Journal of the American Heart Association, 2013, 2, e000249.	3.7	171
71	Tissue Inhibitor of Matrix Metalloproteinases in the Pathogenesis of Heart Failure Syndromes. , 2013, , 445-465.		0
72	Loss of TIMP3 selectively exacerbates diabetic nephropathy. American Journal of Physiology - Renal Physiology, 2012, 303, F1341-F1352.	2.7	39

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73	Agonist-Induced Hypertrophy and Diastolic Dysfunction Are Associated With Selective Reduction in Glucose Oxidation. Circulation: Heart Failure, 2012, 5, 493-503.	3.9	136
74	Loss of Timp3 Gene Leads to Abdominal Aortic Aneurysm Formation in Response to Angiotensin II. Journal of Biological Chemistry, 2012, 287, 44083-44096.	3.4	62
75	ANGIOTENSIN II-MEDIATED MYOCARDIAL EXPRESSION OF MMP2, MMP9 AND MT1-MMP WERE ENHANCED IN ACE2-NULL MICE. Heart, 2012, 98, E9.2-E9.	2.9	0
76	Loss of Angiotensin-Converting Enzyme-2 Exacerbates Diabetic Cardiovascular Complications and Leads to Systolic and Vascular Dysfunction. Circulation Research, 2012, 110, 1322-1335.	4.5	141
77	Cardiac fibroblasts, fibrosis and extracellular matrix remodeling in heart disease. Fibrogenesis and Tissue Repair, 2012, 5, 15.	3.4	630
78	Tissue inhibitor of metalloproteinases (TIMPs) in heart failure. Heart Failure Reviews, 2012, 17, 693-706.	3.9	111
79	Prevention of Angiotensin IIâ€"Mediated Renal Oxidative Stress, Inflammation, and Fibrosis by Angiotensin-Converting Enzyme 2. Hypertension, 2011, 57, 314-322.	2.7	200
80	Lack of Tissue Inhibitor of Metalloproteinases 2 Leads to Exacerbated Left Ventricular Dysfunction and Adverse Extracellular Matrix Remodeling in Response to Biomechanical Stress. Circulation, 2011, 124, 2094-2105.	1.6	90
81	MMP-2 Mediates Angiotensin IIâ€"Induced Hypertension Under the Transcriptional Control of MMP-7 and TACE. Hypertension, 2011, 57, 123-130.	2.7	91
82	Mice with Tissue Inhibitor of Metalloproteinases 4 (Timp4) Deletion Succumb to Induced Myocardial Infarction but Not to Cardiac Pressure Overload. Journal of Biological Chemistry, 2010, 285, 24487-24493.	3.4	80
83	Angiotensin-Converting Enzyme 2 Suppresses Pathological Hypertrophy, Myocardial Fibrosis, and Cardiac Dysfunction. Circulation, 2010, 122, 717-728.	1.6	383
84	Human Recombinant ACE2 Reduces the Progression of Diabetic Nephropathy. Diabetes, 2010, 59, 529-538.	0.6	264
85	TIMP2 Deficiency Accelerates Adverse Postâ€"Myocardial Infarction Remodeling Because of Enhanced MT1-MMP Activity Despite Lack of MMP2 Activation. Circulation Research, 2010, 106, 796-808.	4.5	140
86	Tumor necrosis factor induces matrix metalloproteinases in cardiomyocytes and cardiofibroblasts differentially via superoxide production in a PI3KÎ³-dependent manner. American Journal of Physiology - Cell Physiology, 2010, 298, C679-C692.	4.6	98
87	Early activation of matrix metalloproteinases underlies the exacerbated systolic and diastolic dysfunction in mice lacking TIMP3 following myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H1012-H1023.	3.2	73
88	Loss of PI3KÎ³ Enhances cAMP-Dependent MMP Remodeling of the Myocardial N-Cadherin Adhesion Complexes and Extracellular Matrix in Response to Early Biomechanical Stress. Circulation Research, 2010, 107, 1275-1289.	4.5	50
89	Simultaneous Transforming Growth Factor Î²-Tumor Necrosis Factor Activation and Cross-talk Cause Aberrant Remodeling Response and Myocardial Fibrosis in Timp3-deficient Heart. Journal of Biological Chemistry, 2009, 284, 29893-29904.	3.4	82
90	Matrix Metalloproteinase-7 and ADAM-12 (a Disintegrin and Metalloproteinase-12) Define a Signaling Axis in Agonist-Induced Hypertension and Cardiac Hypertrophy. Circulation, 2009, 119, 2480-2489.	1.6	73

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91	Tumor Necrosis Factor-Î±â€"Converting Enzyme Is a Key Regulator of Agonist-Induced Cardiac Hypertrophy and Fibrosis. Hypertension, 2009, 54, 575-582.	2.7	86
92	Type 1 diabetic cardiomyopathy in the Akita (<i>Ins2</i>^{WT/C96Y}) mouse model is characterized by lipotoxicity and diastolic dysfunction with preserved systolic function. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H2096-H2108.	3.2	139
93	Loss of Angiotensin-Converting Enzyme 2 Accelerates Maladaptive Left Ventricular Remodeling in Response to Myocardial Infarction. Circulation: Heart Failure, 2009, 2, 446-455.	3.9	194
94	Loss of TIMP3 Enhances Interstitial Nephritis and Fibrosis. Journal of the American Society of Nephrology: JASN, 2009, 20, 1223-1235.	6.1	112
95	Tumor Necrosis Factor-Î± Mediates Cardiac Remodeling and Ventricular Dysfunction After Pressure Overload State. Circulation, 2007, 115, 1398-1407.	1.6	335
96	Loss of Angiotensin-Converting Enzyme-2 (Ace2) Accelerates Diabetic Kidney Injury. American Journal of Pathology, 2007, 171, 438-451.	3.8	235
97	Loss of Angiotensin-Converting Enzyme-2 Leads to the Late Development of Angiotensin II-Dependent Glomerulosclerosis. American Journal of Pathology, 2006, 168, 1808-1820.	3.8	214
98	Individual Timp Deficiencies Differentially Impact Pro-MMP-2 Activation. Journal of Biological Chemistry, 2006, 281, 10337-10346.	3.4	108
99	Cutting Edge: Tissue Inhibitor of Metalloproteinase 3 Regulates TNF-Dependent Systemic Inflammation. Journal of Immunology, 2006, 176, 721-725.	0.8	138
100	Myocardial extra-cellular matrix and its regulation by metalloproteinases and their inhibitors. Thrombosis and Haemostasis, 2005, 93, 212-219.	3.4	68
101	Combination of Tumor Necrosis Factor-Î± Ablation and Matrix Metalloproteinase Inhibition Prevents Heart Failure After Pressure Overload in Tissue Inhibitor of Metalloproteinase-3 Knock-Out Mice. Circulation Research, 2005, 97, 380-390.	4.5	151
102	TIMP-3 Deficiency Leads to Dilated Cardiomyopathy. Circulation, 2004, 110, 2401-2409.	1.6	154
103	Abnormal TNF activity in Timp3â^'/â^' mice leads to chronic hepatic inflammation and failure of liver regeneration. Nature Genetics, 2004, 36, 969-977.	21.4	292
104	Reduction ofItoCauses Hypertrophy in Neonatal Rat Ventricular Myocytes. Circulation Research, 2002, 90, 578-585.	4.5	75
105	Molecular components of transient outward potassium current in cultured neonatal rat ventricular myocytes. Journal of Molecular Medicine, 2002, 80, 351-358.	3.9	13