

# Nikolaos G Frangogiannis

## List of Publications by Citations

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175  
papers

22,029  
citations

78  
h-index

147  
g-index

229  
ext. papers

26,252  
ext. citations

8.4  
avg, IF

8.13  
L-index

#	Paper	IF	Citations
175	The inflammatory response in myocardial infarction. <i>Cardiovascular Research</i> , <b>2002</b> , 53, 31-47	9.9	1467
174	The Biological Basis for Cardiac Repair After Myocardial Infarction: From Inflammation to Fibrosis. <i>Circulation Research</i> , <b>2016</b> , 119, 91-112	15.7	851
173	The pathogenesis of cardiac fibrosis. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 549-74	10.3	837
172	The inflammatory response in myocardial injury, repair, and remodelling. <i>Nature Reviews Cardiology</i> , <b>2014</b> , 11, 255-65	14.8	759
171	Regulation of the inflammatory response in cardiac repair. <i>Circulation Research</i> , <b>2012</b> , 110, 159-73	15.7	742
170	TGF- $\beta$ signaling in fibrosis. <i>Growth Factors</i> , <b>2011</b> , 29, 196-202	1.6	684
169	The role of TGF-beta signaling in myocardial infarction and cardiac remodeling. <i>Cardiovascular Research</i> , <b>2007</b> , 74, 184-95	9.9	676
168	Transforming growth factor (TGF)- $\beta$ signaling in cardiac remodeling. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 51, 600-6	5.8	646
167	CCL2/Monocyte Chemoattractant Protein-1 regulates inflammatory responses critical to healing myocardial infarcts. <i>Circulation Research</i> , <b>2005</b> , 96, 881-9	15.7	494
166	The immune system and cardiac repair. <i>Pharmacological Research</i> , <b>2008</b> , 58, 88-111	10.2	491
165	The extracellular matrix as a modulator of the inflammatory and reparative response following myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2010</b> , 48, 504-11	5.8	395
164	Resident cardiac mast cells degranulate and release preformed TNF-alpha, initiating the cytokine cascade in experimental canine myocardial ischemia/reperfusion. <i>Circulation</i> , <b>1998</b> , 98, 699-710	16.7	393
163	Fibroblasts in myocardial infarction: a role in inflammation and repair. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 70, 74-82	5.8	302
162	Of mice and dogs: species-specific differences in the inflammatory response following myocardial infarction. <i>American Journal of Pathology</i> , <b>2004</b> , 164, 665-77	5.8	297
161	Matricellular proteins in cardiac adaptation and disease. <i>Physiological Reviews</i> , <b>2012</b> , 92, 635-88	47.9	295
160	Cardiac fibrosis: Cell biological mechanisms, molecular pathways and therapeutic opportunities. <i>Molecular Aspects of Medicine</i> , <b>2019</b> , 65, 70-99	16.7	284
159	Bone marrow-derived fibroblast precursors mediate ischemic cardiomyopathy in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 18284-9	11.5	281

158	Essential role of Smad3 in infarct healing and in the pathogenesis of cardiac remodeling. <i>Circulation</i> , <b>2007</b> , 116, 2127-38	16.7	278
157	Pathophysiology of Myocardial Infarction. <i>Comprehensive Physiology</i> , <b>2015</b> , 5, 1841-75	7.7	269
156	Cardiac myocytes produce interleukin-6 in culture and in viable border zone of reperfused infarctions. <i>Circulation</i> , <b>1999</b> , 99, 546-51	16.7	268
155	Smad3 signaling critically regulates fibroblast phenotype and function in healing myocardial infarction. <i>Circulation Research</i> , <b>2010</b> , 107, 418-28	15.7	264
154	Critical role of endogenous thrombospondin-1 in preventing expansion of healing myocardial infarcts. <i>Circulation</i> , <b>2005</b> , 111, 2935-42	16.7	259
153	Guidelines for experimental models of myocardial ischemia and infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 314, H812-H838	5.2	249
152	Interleukin-1 receptor type I signaling critically regulates infarct healing and cardiac remodeling. <i>American Journal of Pathology</i> , <b>2008</b> , 173, 57-67	5.8	243
151	Diabetes-associated cardiac fibrosis: Cellular effectors, molecular mechanisms and therapeutic opportunities. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2016</b> , 90, 84-93	5.8	242
150	IL-10 is induced in the reperfused myocardium and may modulate the reaction to injury. <i>Journal of Immunology</i> , <b>2000</b> , 165, 2798-808	5.3	230
149	The extracellular matrix in myocardial injury, repair, and remodeling. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 1600-1612	15.9	219
148	Myocardial extracellular matrix: an ever-changing and diverse entity. <i>Circulation Research</i> , <b>2014</b> , 114, 872-88	15.7	217
147	CCR5 signaling suppresses inflammation and reduces adverse remodeling of the infarcted heart, mediating recruitment of regulatory T cells. <i>American Journal of Pathology</i> , <b>2010</b> , 176, 2177-87	5.8	215
146	The mechanistic basis of infarct healing. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 1907-39	8.4	210
145	The role of IL-1 in the pathogenesis of heart disease. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , <b>2009</b> , 57, 165-76	4	208
144	Chemokines in ischemia and reperfusion. <i>Thrombosis and Haemostasis</i> , <b>2007</b> , 97, 738-747	7	204
143	Critical role of monocyte chemoattractant protein-1/CC chemokine ligand 2 in the pathogenesis of ischemic cardiomyopathy. <i>Circulation</i> , <b>2007</b> , 115, 584-92	16.7	202
142	Aging and Cardiac Fibrosis <b>2011</b> , 2, 158-173		191
141	Characterization of the inflammatory and fibrotic response in a mouse model of cardiac pressure overload. <i>Histochemistry and Cell Biology</i> , <b>2009</b> , 131, 471-81	2.4	186

140	Fibroblasts in post-infarction inflammation and cardiac repair. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2013</b> , 1833, 945-53	4.9	177
139	The role of $\beta$ smooth muscle actin in fibroblast-mediated matrix contraction and remodeling. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2017</b> , 1863, 298-309	6.9	177
138	Short communication: ischemia/reperfusion tolerance is time-of-day-dependent: mediation by the cardiomyocyte circadian clock. <i>Circulation Research</i> , <b>2010</b> , 106, 546-50	15.7	170
137	Obesity, metabolic dysfunction, and cardiac fibrosis: pathophysiological pathways, molecular mechanisms, and therapeutic opportunities. <i>Translational Research</i> , <b>2014</b> , 164, 323-35	11	161
136	Myofibroblasts in reperfused myocardial infarcts express the embryonic form of smooth muscle myosin heavy chain (SMemb). <i>Cardiovascular Research</i> , <b>2000</b> , 48, 89-100	9.9	161
135	Targeting the inflammatory response in healing myocardial infarcts. <i>Current Medicinal Chemistry</i> , <b>2006</b> , 13, 1877-93	4.3	160
134	IL-1 induces proinflammatory leukocyte infiltration and regulates fibroblast phenotype in the infarcted myocardium. <i>Journal of Immunology</i> , <b>2013</b> , 191, 4838-48	5.3	158
133	The role of platelet-derived growth factor signaling in healing myocardial infarcts. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 48, 2315-23	15.1	158
132	Transforming growth factor- $\beta$ in tissue fibrosis. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217, e20190103	16.6	157
131	Stem cell factor induction is associated with mast cell accumulation after canine myocardial ischemia and reperfusion. <i>Circulation</i> , <b>1998</b> , 98, 687-98	16.7	153
130	Chemokines in the ischemic myocardium: from inflammation to fibrosis. <i>Inflammation Research</i> , <b>2004</b> , 53, 585-95	7.2	150
129	Cytokines and the microcirculation in ischemia and reperfusion. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1998</b> , 30, 2567-76	5.8	150
128	The Extracellular Matrix in Ischemic and Nonischemic Heart Failure. <i>Circulation Research</i> , <b>2019</b> , 125, 117-146	14.6	148
127	Aging-related defects are associated with adverse cardiac remodeling in a mouse model of reperfused myocardial infarction. <i>Journal of the American College of Cardiology</i> , <b>2008</b> , 51, 1384-92	15.1	148
126	Targeting inflammatory pathways in myocardial infarction. <i>European Journal of Clinical Investigation</i> , <b>2013</b> , 43, 986-95	4.6	139
125	CD44 is critically involved in infarct healing by regulating the inflammatory and fibrotic response. <i>Journal of Immunology</i> , <b>2008</b> , 180, 2625-33	5.3	137
124	Morphological characteristics of the microvasculature in healing myocardial infarcts. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2002</b> , 50, 71-9	3.4	137
123	Lack of specificity of fibroblast-specific protein 1 in cardiac remodeling and fibrosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 305, H1363-72	5.2	131

122	Inflammatory mechanisms in myocardial infarction. <i>Inflammation and Allergy: Drug Targets</i> , <b>2003</b> , 2, 242-56		122
121	Fibroblasts in the Infarcted, Remodeling, and Failing Heart. <i>JACC Basic To Translational Science</i> , <b>2019</b> , 4, 449-467	8.7	121
120	Inflammation in cardiac injury, repair and regeneration. <i>Current Opinion in Cardiology</i> , <b>2015</b> , 30, 240-5	2.1	117
119	Development of murine ischemic cardiomyopathy is associated with a transient inflammatory reaction and depends on reactive oxygen species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 2700-5	11.5	112
118	Regulatory T cells are recruited in the infarcted mouse myocardium and may modulate fibroblast phenotype and function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 307, H1233-42	5.2	110
117	Identification of hibernating myocardium with quantitative intravenous myocardial contrast echocardiography: comparison with dobutamine echocardiography and thallium-201 scintigraphy. <i>Circulation</i> , <b>2003</b> , 107, 538-44	16.7	110
116	The role of inflammatory and fibrogenic pathways in heart failure associated with aging. <i>Heart Failure Reviews</i> , <b>2010</b> , 15, 415-22	5	108
115	The immune system and the remodeling infarcted heart: cell biological insights and therapeutic opportunities. <i>Journal of Cardiovascular Pharmacology</i> , <b>2014</b> , 63, 185-95	3.1	105
114	Chemokines in ischemia and reperfusion. <i>Thrombosis and Haemostasis</i> , <b>2007</b> , 97, 738-47	7	103
113	Anti-inflammatory therapies in myocardial infarction: failures, hopes and challenges. <i>British Journal of Pharmacology</i> , <b>2018</b> , 175, 1377-1400	8.6	102
112	Endogenous thrombospondin 1 protects the pressure-overloaded myocardium by modulating fibroblast phenotype and matrix metabolism. <i>Hypertension</i> , <b>2011</b> , 58, 902-11	8.5	102
111	Induction of the CXC chemokine interferon-gamma-inducible protein 10 regulates the reparative response following myocardial infarction. <i>Circulation Research</i> , <b>2009</b> , 105, 973-83	15.7	99
110	The Role of the TGF- $\beta$ Superfamily in Myocardial Infarction. <i>Frontiers in Cardiovascular Medicine</i> , <b>2019</b> , 6, 140	5.4	94
109	Chemokines in myocardial ischemia. <i>Trends in Cardiovascular Medicine</i> , <b>2005</b> , 15, 163-9	6.9	94
108	Reactive oxygen intermediates induce monocyte chemotactic protein-1 in vascular endothelium after brief ischemia. <i>American Journal of Pathology</i> , <b>2001</b> , 159, 1301-11	5.8	91
107	Microvascular structural correlates of myocardial contrast echocardiography in patients with coronary artery disease and left ventricular dysfunction: implications for the assessment of myocardial hibernation. <i>Circulation</i> , <b>2002</b> , 106, 950-6	16.7	88
106	Active interstitial remodeling: an important process in the hibernating human myocardium. <i>Journal of the American College of Cardiology</i> , <b>2002</b> , 39, 1468-74	15.1	87
105	Effects of diet-induced obesity on inflammation and remodeling after myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 291, H2504-14	5.2	86

104	Induction and suppression of interferon-inducible protein 10 in reperfused myocardial infarcts may regulate angiogenesis. <i>FASEB Journal</i> , <b>2001</b> , 15, 1428-30	0.9	84
103	Impact of myocardial structure and function postinfarction on diastolic strain measurements: implications for assessment of myocardial viability. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 290, H724-31	5.2	83
102	Opposing Actions of Fibroblast and Cardiomyocyte Smad3 Signaling in the Infarcted Myocardium. <i>Circulation</i> , <b>2018</b> , 137, 707-724	16.7	83
101	Thrombospondin-1 induction in the diabetic myocardium stabilizes the cardiac matrix in addition to promoting vascular rarefaction through angiopoietin-2 upregulation. <i>Circulation Research</i> , <b>2013</b> , 113, 1331-44	15.7	81
100	Mast cells and macrophages in normal C57/BL/6 mice. <i>Histochemistry and Cell Biology</i> , <b>2002</b> , 118, 41-9	2.4	81
99	The extracellular matrix modulates fibroblast phenotype and function in the infarcted myocardium. <i>Journal of Cardiovascular Translational Research</i> , <b>2012</b> , 5, 837-47	3.3	80
98	Inflammation as a therapeutic target in myocardial infarction: learning from past failures to meet future challenges. <i>Translational Research</i> , <b>2016</b> , 167, 152-66	11	79
97	The role of transforming growth factor (TGF)- $\beta$ in the infarcted myocardium. <i>Journal of Thoracic Disease</i> , <b>2017</b> , 9, S52-S63	2.6	78
96	Systematic characterization of myocardial inflammation, repair, and remodeling in a mouse model of reperfused myocardial infarction. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2013</b> , 61, 555-70	3.4	78
95	MCSF expression is induced in healing myocardial infarcts and may regulate monocyte and endothelial cell phenotype. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2003</b> , 285, H483-92	5.2	78
94	Immune cells as targets for cardioprotection: new players and novel therapeutic opportunities. <i>Cardiovascular Research</i> , <b>2019</b> , 115, 1117-1130	9.9	77
93	Mast cell tryptase may modulate endothelial cell phenotype in healing myocardial infarcts. <i>Journal of Pathology</i> , <b>2005</b> , 205, 102-11	9.4	72
92	Chemokines and cardiac fibrosis. <i>Frontiers in Bioscience - Scholar</i> , <b>2009</b> , 1, 391-405	2.4	72
91	Smad3 Signaling Promotes Fibrosis While Preserving Cardiac and Aortic Geometry in Obese Diabetic Mice. <i>Circulation: Heart Failure</i> , <b>2015</b> , 8, 788-98	7.6	70
90	Evidence for an active inflammatory process in the hibernating human myocardium. <i>American Journal of Pathology</i> , <b>2002</b> , 160, 1425-33	5.8	70
89	Endogenous IRAK-M attenuates postinfarction remodeling through effects on macrophages and fibroblasts. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 2598-608	9.4	68
88	Characterization of a mouse model of obesity-related fibrotic cardiomyopathy that recapitulates features of human heart failure with preserved ejection fraction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 315, H934-H949	5.2	66
87	Protective Effects of Activated Myofibroblasts in the Pressure-Overloaded Myocardium Are Mediated Through Smad-Dependent Activation of a Matrix-Preserving Program. <i>Circulation Research</i> , <b>2019</b> , 124, 1214-1227	15.7	60

86	MCP-1/CCL2 as a therapeutic target in myocardial infarction and ischemic cardiomyopathy. <i>Inflammation and Allergy: Drug Targets</i> , <b>2007</b> , 6, 101-7		58
85	Macrophage Smad3 Protects the Infarcted Heart, Stimulating Phagocytosis and Regulating Inflammation. <i>Circulation Research</i> , <b>2019</b> , 125, 55-70	15.7	56
84	Thrombospondin-1 regulates adiposity and metabolic dysfunction in diet-induced obesity enhancing adipose inflammation and stimulating adipocyte proliferation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2013</b> , 305, E439-50	6	56
83	Interleukin-10 is not a critical regulator of infarct healing and left ventricular remodeling. <i>Cardiovascular Research</i> , <b>2007</b> , 74, 313-22	9.9	56
82	Cardiac fibrosis. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 1450-1488	9.9	56
81	Monocyte chemoattractant protein-1/CCL2 as a biomarker in acute coronary syndromes. <i>Current Atherosclerosis Reports</i> , <b>2009</b> , 11, 131-8	6	55
80	Myocardial Galectin-3 Expression Is Associated with Remodeling of the Pressure-Overloaded Heart and May Delay the Hypertrophic Response without Affecting Survival, Dysfunction, and Cardiac Fibrosis. <i>American Journal of Pathology</i> , <b>2016</b> , 186, 1114-27	5.8	54
79	Fibroblasts and the extracellular matrix in right ventricular disease. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 1453-1464	9.9	53
78	Biomarkers: hopes and challenges in the path from discovery to clinical practice. <i>Translational Research</i> , <b>2012</b> , 159, 197-204	11	52
77	Immune cells in repair of the infarcted myocardium. <i>Microcirculation</i> , <b>2017</b> , 24, e12305	2.9	51
76	Brief murine myocardial I/R induces chemokines in a TNF-alpha-independent manner: role of oxygen radicals. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 281, H2549-58	5.2	51
75	Interleukin-1 in cardiac injury, repair, and remodeling: pathophysiologic and translational concepts. <i>Discoveries</i> , <b>2015</b> , 3,	3.7	50
74	CXCR3-independent actions of the CXC chemokine CXCL10 in the infarcted myocardium and in isolated cardiac fibroblasts are mediated through proteoglycans. <i>Cardiovascular Research</i> , <b>2014</b> , 103, 217-27	9.9	49
73	The role of the thrombospondins in healing myocardial infarcts. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , <b>2007</b> , 5, 21-7	1.9	49
72	Histochemical and morphological characteristics of canine cardiac mast cells. <i>The Histochemical Journal</i> , <b>1999</b> , 31, 221-9		47
71	Inflammatory Cytokines and Chemokines as Therapeutic Targets in Heart Failure. <i>Cardiovascular Drugs and Therapy</i> , <b>2020</b> , 34, 849-863	3.9	47
70	Cyclophosphamide in the treatment of toxic epidermal necrolysis. <i>Southern Medical Journal</i> , <b>1996</b> , 89, 1001-3	0.6	41
69	The role of the chemokines in myocardial ischemia and reperfusion. <i>Current Vascular Pharmacology</i> , <b>2004</b> , 2, 163-74	3.3	40

68	Vascular mural cells in healing canine myocardial infarcts. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2004</b> , 52, 1019-29	3.4	39
67	Platelet-monocyte complex formation: effect of blocking PSGL-1 alone, and in combination with alphaIIb beta3 and alphaM beta2, in coronary stenting. <i>Thrombosis Research</i> , <b>2003</b> , 111, 171-7	8.2	39
66	Targeting the chemokines in cardiac repair. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 1971-9	3.3	39
65	Cell biological mechanisms in regulation of the post-infarction inflammatory response. <i>Current Opinion in Physiology</i> , <b>2018</b> , 1, 7-13	2.6	35
64	Emerging roles for macrophages in cardiac injury: cytoprotection, repair, and regeneration. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 2927-30	15.9	35
63	Left atrial remodeling, hypertrophy, and fibrosis in mouse models of heart failure. <i>Cardiovascular Pathology</i> , <b>2017</b> , 30, 27-37	3.8	33
62	Distinct roles of myofibroblast-specific Smad2 and Smad3 signaling in repair and remodeling of the infarcted heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2019</b> , 132, 84-97	5.8	30
61	Induction of the synthesis of the C-X-C chemokine interferon-gamma-inducible protein-10 in experimental canine endotoxemia. <i>Cell and Tissue Research</i> , <b>2000</b> , 302, 365-76	4.2	30
60	Increased myocardial susceptibility to repetitive ischemia with high-fat diet-induced obesity. <i>Obesity</i> , <b>2008</b> , 16, 2593-600	8	28
59	Syndecan-1: a critical mediator in cardiac fibrosis. <i>Hypertension</i> , <b>2010</b> , 55, 233-5	8.5	26
58	Mechanisms of Fibroblast Activation in the Remodeling Myocardium. <i>Current Pathobiology Reports</i> , <b>2017</b> , 5, 145-152	2	25
57	Tissue transglutaminase induction in the pressure-overloaded myocardium regulates matrix remodelling. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 892-905	9.9	25
56	The role of thrombospondin (TSP)-1 in obesity and diabetes. <i>Adipocyte</i> , <b>2014</b> , 3, 81-4	3.2	25
55	Chemokines in Myocardial Infarction. <i>Journal of Cardiovascular Translational Research</i> , <b>2021</b> , 14, 35-52	3.3	24
54	Cell therapy for peripheral artery disease. <i>Current Opinion in Pharmacology</i> , <b>2018</b> , 39, 27-34	5.1	23
53	Targeting the chemokines in myocardial inflammation. <i>Circulation</i> , <b>2004</b> , 110, 1341-2	16.7	23
52	Extracellular matrix-derived peptides in tissue remodeling and fibrosis. <i>Matrix Biology</i> , <b>2020</b> , 91-92, 176-187	18.4	22
51	Fibroblast-Extracellular Matrix Interactions in Tissue Fibrosis. <i>Current Pathobiology Reports</i> , <b>2016</b> , 4, 11-18	18.4	22



50	Extracellular Matrix in Ischemic Heart Disease, Part 4/4: JACC Focus Seminar. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 2219-2235	15.1	21
49	Uncontrolled angiogenic precursor expansion causes coronary artery anomalies in mice lacking Pofut1. <i>Nature Communications</i> , <b>2017</b> , 8, 578	17.4	20
48	Diabetic fibrosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2021</b> , 1867, 166044	6.9	20
47	Pharmacologic inhibition of the enzymatic effects of tissue transglutaminase reduces cardiac fibrosis and attenuates cardiomyocyte hypertrophy following pressure overload. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2018</b> , 117, 36-48	5.8	19
46	The role of Smad signaling cascades in cardiac fibrosis. <i>Cellular Signalling</i> , <b>2021</b> , 77, 109826	4.9	18
45	Pemphigus of the larynx and esophagus. <i>Annals of Internal Medicine</i> , <b>1995</b> , 122, 803-4	8	14
44	Tissue transglutaminase in the pathogenesis of heart failure. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 453-456	12.7	14
43	Endocarditis and Ureaplasma urealyticum osteomyelitis in a hypogammaglobulinemic patient. A case report and review of the literature. <i>Journal of Infection</i> , <b>1998</b> , 37, 181-4	18.9	13
42	The role of Smad2 and Smad3 in regulating homeostatic functions of fibroblasts in vitro and in adult mice. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2020</b> , 1867, 118703	4.9	13
41	The role of Interleukin Receptor Associated Kinase (IRAK)-M in regulation of myofibroblast phenotype in vitro, and in an experimental model of non-reperfused myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2015</b> , 89, 223-31	5.8	11
40	Transforming growth factor- $\beta$ in myocardial disease.. <i>Nature Reviews Cardiology</i> , <b>2022</b> ,	14.8	11
39	The significance of COVID-19-associated myocardial injury: how overinterpretation of scientific findings can fuel media sensationalism and spread misinformation. <i>European Heart Journal</i> , <b>2020</b> , 41, 3836-3838	9.5	10
38	Phagocytes in ischemia injury. <i>Annals of the New York Academy of Sciences</i> , <b>1997</b> , 832, 243-65	6.5	9
37	Pericytes in the infarcted heart. <i>Vascular Biology (Bristol, England)</i> , <b>2019</b> , 1, H23-H31	2.9	9
36	Validation of diagnostic criteria and histopathological characterization of cardiac rupture in the mouse model of nonreperfused myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2020</b> , 319, H948-H964	5.2	9
35	The reparative function of cardiomyocytes in the infarcted myocardium. <i>Cell Metabolism</i> , <b>2015</b> , 21, 797-804	4.6	8
34	Identification of mast cells in the cellular response to myocardial infarction. <i>Methods in Molecular Biology</i> , <b>2006</b> , 315, 91-101	1.4	7
33	Guidelines for in vivo mouse models of myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 321, H1056-H1073	5.2	7

32	Stromal cell-derived factor-1-mediated angiogenesis for peripheral arterial disease: ready for prime time?. <i>Circulation</i> , <b>2011</b> , 123, 1267-9	16.7	6
31	Collagen denaturation in the infarcted myocardium involves temporally distinct effects of MT1-MMP-dependent proteolysis and mechanical tension. <i>Matrix Biology</i> , <b>2021</b> , 99, 18-42	11.4	6
30	Tirofiban for cocaine-induced coronary artery thrombosis: a novel therapeutic approach. <i>Circulation</i> , <b>1999</b> , 100, 1939	16.7	5
29	Fibrosis of the diabetic heart: Clinical significance, molecular mechanisms, and therapeutic opportunities. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 176, 113904	18.5	5
28	Integrated multimodal-catheter imaging unveils principal relationships among ventricular electrical activity, anatomy, and function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 294, H1002-9	5.2	4
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