

Mark L Entman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

11,476
citations

45
h-index

107
g-index

107
ext. papers

12,352
ext. citations

8.1
avg, IF

5.65
L-index

#	Paper	IF	Citations
90	Cardiac progenitor cells from adult myocardium: homing, differentiation, and fusion after infarction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 12313-8	11.5	1483
89	The inflammatory response in myocardial infarction. <i>Cardiovascular Research</i> , 2002 , 53, 31-47	9.9	1467
88	Regeneration of ischemic cardiac muscle and vascular endothelium by adult stem cells. <i>Journal of Clinical Investigation</i> , 2001 , 107, 1395-402	15.9	1460
87	CCL2/Monocyte Chemoattractant Protein-1 regulates inflammatory responses critical to healing myocardial infarcts. <i>Circulation Research</i> , 2005 , 96, 881-9	15.7	494
86	Resident cardiac mast cells degranulate and release preformed TNF-alpha, initiating the cytokine cascade in experimental canine myocardial ischemia/reperfusion. <i>Circulation</i> , 1998 , 98, 699-710	16.7	393
85	Inflammation in the course of early myocardial ischemia. <i>FASEB Journal</i> , 1991 , 5, 2529-37	0.9	358
84	Of mice and dogs: species-specific differences in the inflammatory response following myocardial infarction. <i>American Journal of Pathology</i> , 2004 , 164, 665-77	5.8	297
83	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> , 2006 , 103, 18284-9	11.5	281
82	Cardiac myocytes produce interleukin-6 in culture and in viable border zone of reperfused infarctions. <i>Circulation</i> , 1999 , 99, 546-51	16.7	268
81	Critical role of endogenous thrombospondin-1 in preventing expansion of healing myocardial infarcts. <i>Circulation</i> , 2005 , 111, 2935-42	16.7	259
80	IL-10 is induced in the reperfused myocardium and may modulate the reaction to injury. <i>Journal of Immunology</i> , 2000 , 165, 2798-808	5.3	230
79	Induction of interleukin-6 synthesis in the myocardium. Potential role in postreperfusion inflammatory injury. <i>Circulation</i> , 1995 , 92, 1866-75	16.7	211
78	Critical role of monocyte chemoattractant protein-1/CC chemokine ligand 2 in the pathogenesis of ischemic cardiomyopathy. <i>Circulation</i> , 2007 , 115, 584-92	16.7	202
77	Coronary microembolization: the role of TNF-alpha in contractile dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 51-62	5.8	161
76	Myofibroblasts in reperfused myocardial infarcts express the embryonic form of smooth muscle myosin heavy chain (SMemb). <i>Cardiovascular Research</i> , 2000 , 48, 89-100	9.9	161
75	The role of platelet-derived growth factor signaling in healing myocardial infarcts. <i>Journal of the American College of Cardiology</i> , 2006 , 48, 2315-23	15.1	158
74	Complement C5a, TGF-beta 1, and MCP-1, in sequence, induce migration of monocytes into ischemic canine myocardium within the first one to five hours after reperfusion. <i>Circulation</i> , 1997 , 95, 684-92	16.7	155

73	Stem cell factor induction is associated with mast cell accumulation after canine myocardial ischemia and reperfusion. <i>Circulation</i> , 1998 , 98, 687-98	16.7	153
72	Modes of myocardial cell injury and cell death in ischemic heart disease. <i>Circulation</i> , 1998 , 98, 1355-7	16.7	150
71	Cytokines and the microcirculation in ischemia and reperfusion. <i>Journal of Molecular and Cellular Cardiology</i> , 1998 , 30, 2567-76	5.8	150
70	Telomere attrition and Chk2 activation in human heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 5378-83	11.5	145
69	Stem cell plasticity in muscle and bone marrow. <i>Annals of the New York Academy of Sciences</i> , 2001 , 938, 208-18; discussion 218-20	6.5	139
68	Morphological characteristics of the microvasculature in healing myocardial infarcts. <i>Journal of Histochemistry and Cytochemistry</i> , 2002 , 50, 71-9	3.4	137
67	Local insulin-like growth factor I expression induces physiologic, then pathologic, cardiac hypertrophy in transgenic mice. <i>FASEB Journal</i> , 1999 , 13, 1923-9	0.9	135
66	Induction of monocyte chemoattractant protein-1 in the small veins of the ischemic and reperfused canine myocardium. <i>Circulation</i> , 1997 , 95, 693-700	16.7	129
65	Cardiac muscle plasticity in adult and embryo by heart-derived progenitor cells. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1015, 182-9	6.5	122
64	Comparison of hepatic extraction of insulin and glucagon in conscious and anesthetized dogs. <i>Endocrinology</i> , 1983 , 112, 1098-109	4.8	110
63	Chemokines in myocardial ischemia. <i>Trends in Cardiovascular Medicine</i> , 2005 , 15, 163-9	6.9	94
62	Reactive oxygen intermediates induce monocyte chemotactic protein-1 in vascular endothelium after brief ischemia. <i>American Journal of Pathology</i> , 2001 , 159, 1301-11	5.8	91
61	P-selectin mediates neutrophil adhesion to endothelial cell borders. <i>Journal of Leukocyte Biology</i> , 1999 , 65, 299-306	6.5	89
60	Active interstitial remodeling: an important process in the hibernating human myocardium. <i>Journal of the American College of Cardiology</i> , 2002 , 39, 1468-74	15.1	87
59	Effects of diet-induced obesity on inflammation and remodeling after myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H2504-14	5.2	86
58	Induction and suppression of interferon-inducible protein 10 in reperfused myocardial infarcts may regulate angiogenesis. <i>FASEB Journal</i> , 2001 , 15, 1428-30	0.9	84
57	Mast cells and macrophages in normal C57/BL/6 mice. <i>Histochemistry and Cell Biology</i> , 2002 , 118, 41-9	2.4	81
56	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> , 2003 , 285, H483-92	5.2	78

55	GLUTATHIONE, INFLAMMATION, MITOCHONDRIAL FAT OXIDATION AND DIASTOLIC HEART FUNCTION IN OLD MICE. <i>Innovation in Aging</i> , 2019 , 3, S416-S416	0.1	78
54	Cardiac mesenchymal stem cells contribute to scar formation after myocardial infarction. <i>Cardiovascular Research</i> , 2011 , 91, 99-107	9.9	73
53	Mast cell tryptase may modulate endothelial cell phenotype in healing myocardial infarcts. <i>Journal of Pathology</i> , 2005 , 205, 102-11	9.4	72
52	Evidence for an active inflammatory process in the hibernating human myocardium. <i>American Journal of Pathology</i> , 2002 , 160, 1425-33	5.8	70
51	The role of natural IgM in myocardial ischemia-reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 41, 62-7	5.8	69
50	Myocardial infarction and remodeling in mice: effect of reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 277, H660-8	5.2	65
49	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> , 2001 , 281, H2549-58	5.2	51
48	Role of early reperfusion in the induction of adhesion molecules and cytokines in previously ischemic myocardium. <i>Molecular and Cellular Biochemistry</i> , 1995 , 147, 5-12	4.2	49
47	Adverse fibrosis in the aging heart depends on signaling between myeloid and mesenchymal cells; role of inflammatory fibroblasts. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 70, 56-63	5.8	47
46	Histochemical and morphological characteristics of canine cardiac mast cells. <i>The Histochemical Journal</i> , 1999 , 31, 221-9		47
45	AICAR-dependent AMPK activation improves scar formation in the aged heart in a murine model of reperfused myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 63, 26-36	5.8	44
44	Defective myofibroblast formation from mesenchymal stem cells in the aging murine heart rescue by activation of the AMPK pathway. <i>American Journal of Pathology</i> , 2011 , 179, 1792-806	5.8	41
43	Regulation of ICAM-1 and IL-6 in Myocardial Ischemia: Effect of Reperfusion a. <i>Annals of the New York Academy of Sciences</i> , 1994 , 723, 258-270	6.5	41
42	Tumor necrosis factor: a mechanistic link between angiotensin-II-induced cardiac inflammation and fibrosis. <i>Circulation: Heart Failure</i> , 2015 , 8, 352-61	7.6	40
41	Origin of developmental precursors dictates the pathophysiologic role of cardiac fibroblasts. <i>Journal of Cardiovascular Translational Research</i> , 2012 , 5, 749-59	3.3	40
40	Vascular mural cells in healing canine myocardial infarcts. <i>Journal of Histochemistry and Cytochemistry</i> , 2004 , 52, 1019-29	3.4	39
39	Oncostatin M differentially regulates CXC chemokines in mouse cardiac fibroblasts. <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 291, C18-26	5.4	38
38	MAP4K4 Inhibition Promotes Survival of Human Stem Cell-Derived Cardiomyocytes and Reduces Infarct Size In Vivo. <i>Cell Stem Cell</i> , 2019 , 24, 579-591.e12	18	35

37	CXCR6 plays a critical role in angiotensin II-induced renal injury and fibrosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1422-8	9.4	35
36	Mesenchymal stem cell-derived inflammatory fibroblasts mediate interstitial fibrosis in the aging heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 91, 28-34	5.8	31
35	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> , 2000 , 302, 365-76	4.2	30
34	Plasma Levels of Endothelial Microparticles Bearing Monomeric C-reactive Protein are Increased in Peripheral Artery Disease. <i>Journal of Cardiovascular Translational Research</i> , 2016 , 9, 184-193	3.3	29
33	AMP-activated protein kinase/myocardin-related transcription factor-A signaling regulates fibroblast activation and renal fibrosis. <i>Kidney International</i> , 2018 , 93, 81-94	9.9	23
32	Targeting the chemokines in myocardial inflammation. <i>Circulation</i> , 2004 , 110, 1341-2	16.7	23
31	Interleukin 6 induction in the canine myocardium after cardiopulmonary bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2000 , 120, 256-63	1.5	23
30	Mesenchymal stem cell-derived inflammatory fibroblasts promote monocyte transition into myeloid fibroblasts via an IL-6-dependent mechanism in the aging mouse heart. <i>FASEB Journal</i> , 2015 , 29, 3160-70	0.9	22
29	Dissecting the role of myeloid and mesenchymal fibroblasts in age-dependent cardiac fibrosis. <i>Basic Research in Cardiology</i> , 2017 , 112, 34	11.8	20
28	Association of neutrophils with platelet aggregates in unstable angina. Should we alter therapy?. <i>Circulation</i> , 1996 , 94, 1206-8	16.7	18
27	Improved Cardiovascular Function in Old Mice After N-Acetyl Cysteine and Glycine Supplemented Diet: Inflammation and Mitochondrial Factors. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 1167-1177	6.4	15
26	Time-dependent loss of Mac-1 from infiltrating neutrophils in the reperfused myocardium. <i>Journal of Immunology</i> , 2000 , 164, 2752-8	5.3	15
25	Aicar treatment reduces interstitial fibrosis in aging mice: Suppression of the inflammatory fibroblast. <i>Journal of Molecular and Cellular Cardiology</i> , 2017 , 111, 81-85	5.8	14
24	Circulating Aldosterone Levels and Disease Severity in Pulmonary Arterial Hypertension. <i>Journal of Pulmonary & Respiratory Medicine</i> , 2015 , 5,	0	13
23	Left Atrial Volume and Pulmonary Artery Diameter Are Noninvasive Measures of Age-Related Diastolic Dysfunction in Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 1141-50	6.4	13
22	NLRP3 inflammasome is a key driver of obesity-induced atrial arrhythmias. <i>Cardiovascular Research</i> , 2021 , 117, 1746-1759	9.9	13
21	Steroid receptor coactivator-2 is a dual regulator of cardiac transcription factor function. <i>Journal of Biological Chemistry</i> , 2014 , 289, 17721-31	5.4	12
20	Cytochemical studies of a glycogen-sarcoplasmic reticulum complex. <i>Journal of Muscle Research and Cell Motility</i> , 1985 , 6, 177-87	3.5	11

19	Rho associated coiled-coil kinase-1 regulates collagen-induced phosphatidylserine exposure in platelets. <i>PLoS ONE</i> , 2013 , 8, e84649	3.7	11
18	TNF/Ang-II synergy is obligate for fibroinflammatory pathology, but not for changes in cardiorenal function. <i>Physiological Reports</i> , 2016 , 4, e12765	2.6	11
17	Phagocytes in ischemia injury. <i>Annals of the New York Academy of Sciences</i> , 1997 , 832, 243-65	6.5	9
16	The role of C-reactive protein in innate and acquired inflammation: new perspectives. <i>Inflammation and Cell Signaling</i> , 2016 , 3,		8
15	Collagen Metabolism Biomarkers and Health Related Quality of Life in Pulmonary Arterial Hypertension. <i>International Journal of Cardiovascular Research</i> , 2015 , 4,	0	8
14	Identification of mast cells in the cellular response to myocardial infarction. <i>Methods in Molecular Biology</i> , 2006 , 315, 91-101	1.4	7
13	Transient activation of AMPK preceding left ventricular pressure overload reduces adverse remodeling and preserves left ventricular function. <i>FASEB Journal</i> , 2019 , 33, 711-721	0.9	6
12	Adhesion Molecule-Dependent Cardiovascular Injury 1994 , 187-212		4
11	Nucleus-mitochondria positive feedback loop formed by ERK5 S496 phosphorylation-mediated poly (ADP-ribose) polymerase activation provokes persistent pro-inflammatory senescent phenotype and accelerates coronary atherosclerosis after chemo-radiation. <i>Redox Biology</i> , 2021 , 47, 102132	11.3	3
10	For want of a few good shams. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 278, H1017-8	5.2	2
9	Treatment with a DC-SIGN ligand reduces macrophage polarization and diastolic dysfunction in the aging female but not male mouse hearts. <i>GeroScience</i> , 2021 , 43, 881-899	8.9	2
8	Aortic acceleration as a noninvasive index of left ventricular contractility in the mouse. <i>Scientific Reports</i> , 2021 , 11, 536	4.9	2
7	Mast Cells in Myocardial Ischaemia and Reperfusion 2000 , 507-522		1
6	Role of Inflammation Following Myocardial Ischemia and Reperfusion 1997 , 569-584		1
5	The Role of Inflammation in Cardiac Function and Repair. <i>Progress in Experimental Cardiology</i> , 2003 , 19-28		
4	Myocardial reperfusion: A State of Inflammation 2001 , 93-101		
3	Mast Cells in Experimental Myocardial Infarction. <i>Developments in Cardiovascular Medicine</i> , 2003 , 121-132		
2	Coronary flow velocity reserve is reduced in mice with atherosclerosis, pressure overload hypertrophy, and coronary occlusion. <i>FASEB Journal</i> , 2009 , 23, 1032.6	0.9	

- 1 Rho Associated Coiled-Coil Kinase-1 Regulates Collagen-Induced Phosphatidylserine Exposure In Platelets. *Blood*, **2013**, 122, 3509-3509 2.2