

# Mark L Entman

## List of Publications by Year in Descending Order

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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	Treatment with a DC-SIGN ligand reduces macrophage polarization and diastolic dysfunction in the aging female but not male mouse hearts. <i>GeroScience</i> , <b>2021</b> , 43, 881-899	8.9	2
89	Aortic acceleration as a noninvasive index of left ventricular contractility in the mouse. <i>Scientific Reports</i> , <b>2021</b> , 11, 536	4.9	2
88	NLRP3 inflammasome is a key driver of obesity-induced atrial arrhythmias. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 1746-1759	9.9	13
87	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> , <b>2021</b> , 47, 102132	11.3	3
86	MAP4K4 Inhibition Promotes Survival of Human Stem Cell-Derived Cardiomyocytes and Reduces Infarct Size In Vivo. <i>Cell Stem Cell</i> , <b>2019</b> , 24, 579-591.e12	18	35
85	Transient activation of AMPK preceding left ventricular pressure overload reduces adverse remodeling and preserves left ventricular function. <i>FASEB Journal</i> , <b>2019</b> , 33, 711-721	0.9	6
84	GLUTATHIONE, INFLAMMATION, MITOCHONDRIAL FAT OXIDATION AND DIASTOLIC HEART FUNCTION IN OLD MICE. <i>Innovation in Aging</i> , <b>2019</b> , 3, S416-S416	0.1	78
83	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> , <b>2018</b> , 73, 1167-1177	6.4	15
82	AMP-activated protein kinase/myocardin-related transcription factor-A signaling regulates fibroblast activation and renal fibrosis. <i>Kidney International</i> , <b>2018</b> , 93, 81-94	9.9	23
81	Aicar treatment reduces interstitial fibrosis in aging mice: Suppression of the inflammatory fibroblast. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2017</b> , 111, 81-85	5.8	14
80	Dissecting the role of myeloid and mesenchymal fibroblasts in age-dependent cardiac fibrosis. <i>Basic Research in Cardiology</i> , <b>2017</b> , 112, 34	11.8	20
79	Mesenchymal stem cell-derived inflammatory fibroblasts mediate interstitial fibrosis in the aging heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2016</b> , 91, 28-34	5.8	31
78	The role of C-reactive protein in innate and acquired inflammation: new perspectives. <i>Inflammation and Cell Signaling</i> , <b>2016</b> , 3,		8
77	TNF/Ang-II synergy is obligate for fibroinflammatory pathology, but not for changes in cardiorenal function. <i>Physiological Reports</i> , <b>2016</b> , 4, e12765	2.6	11
76	Plasma Levels of Endothelial Microparticles Bearing Monomeric C-reactive Protein are Increased in Peripheral Artery Disease. <i>Journal of Cardiovascular Translational Research</i> , <b>2016</b> , 9, 184-193	3.3	29
75	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> , <b>2016</b> , 71, 1141-50	6.4	13
74	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> , <b>2015</b> , 29, 3160-70	0.9	22

73	Circulating Aldosterone Levels and Disease Severity in Pulmonary Arterial Hypertension. <i>Journal of Pulmonary &amp; Respiratory Medicine</i> , <b>2015</b> , 5,	0	13
72	Tumor necrosis factor: a mechanistic link between angiotensin-II-induced cardiac inflammation and fibrosis. <i>Circulation: Heart Failure</i> , <b>2015</b> , 8, 352-61	7.6	40
71	Collagen Metabolism Biomarkers and Health Related Quality of Life in Pulmonary Arterial Hypertension. <i>International Journal of Cardiovascular Research</i> , <b>2015</b> , 4,	0	8
70	CXCR6 plays a critical role in angiotensin II-induced renal injury and fibrosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1422-8	9.4	35
69	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> , <b>2014</b> , 70, 56-63	5.8	47
68	Steroid receptor coactivator-2 is a dual regulator of cardiac transcription factor function. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 17721-31	5.4	12
67	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> , <b>2013</b> , 63, 26-36	5.8	44
66	Rho associated coiled-coil kinase-1 regulates collagen-induced phosphatidylserine exposure in platelets. <i>PLoS ONE</i> , <b>2013</b> , 8, e84649	3.7	11
65	Rho Associated Coiled-Coil Kinase-1 Regulates Collagen-Induced Phosphatidylserine Exposure In Platelets. <i>Blood</i> , <b>2013</b> , 122, 3509-3509	2.2	
64	Origin of developmental precursors dictates the pathophysiologic role of cardiac fibroblasts. <i>Journal of Cardiovascular Translational Research</i> , <b>2012</b> , 5, 749-59	3.3	40
63	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> , <b>2011</b> , 179, 1792-806	5.8	41
62	Cardiac mesenchymal stem cells contribute to scar formation after myocardial infarction. <i>Cardiovascular Research</i> , <b>2011</b> , 91, 99-107	9.9	73
61	Coronary flow velocity reserve is reduced in mice with atherosclerosis, pressure overload hypertrophy, and coronary occlusion. <i>FASEB Journal</i> , <b>2009</b> , 23, 1032.6	0.9	
60	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
59	Oncostatin M differentially regulates CXC chemokines in mouse cardiac fibroblasts. <i>American Journal of Physiology - Cell Physiology</i> , <b>2006</b> , 291, C18-26	5.4	38
58	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
57	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
56	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

55	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
54	The role of natural IgM in myocardial ischemia-reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2006</b> , 41, 62-7	5.8	69
53	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
52	Chemokines in myocardial ischemia. <i>Trends in Cardiovascular Medicine</i> , <b>2005</b> , 15, 163-9	6.9	94
51	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
50	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
49	Targeting the chemokines in myocardial inflammation. <i>Circulation</i> , <b>2004</b> , 110, 1341-2	16.7	23
48	Vascular mural cells in healing canine myocardial infarcts. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2004</b> , 52, 1019-29	3.4	39
47	Cardiac muscle plasticity in adult and embryo by heart-derived progenitor cells. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1015, 182-9	6.5	122
46	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
45	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
44	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> , <b>2003</b> , 100, 12313-8	11.5	1483
43	Telomere attrition and Chk2 activation in human heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 5378-83	11.5	145
42	The Role of Inflammation in Cardiac Function and Repair. <i>Progress in Experimental Cardiology</i> , <b>2003</b> , 19-28		
41	Mast Cells in Experimental Myocardial Infarction. <i>Developments in Cardiovascular Medicine</i> , <b>2003</b> , 121-132		
40	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
39	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
38	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

37	Coronary microembolization: the role of TNF-alpha in contractile dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2002</b> , 34, 51-62	5.8	161
36	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
35	The inflammatory response in myocardial infarction. <i>Cardiovascular Research</i> , <b>2002</b> , 53, 31-47	9.9	1467
34	Stem cell plasticity in muscle and bone marrow. <i>Annals of the New York Academy of Sciences</i> , <b>2001</b> , 938, 208-18; discussion 218-20	6.5	139
33	Regeneration of ischemic cardiac muscle and vascular endothelium by adult stem cells. <i>Journal of Clinical Investigation</i> , <b>2001</b> , 107, 1395-402	15.9	1460
32	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
31	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
30	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
29	Myocardial reperfusion: A State of Inflammation <b>2001</b> , 93-101		
28	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
27	For want of a few good shams. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2000</b> , 278, H1017-8	5.2	2
26	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
25	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
24	Time-dependent loss of Mac-1 from infiltrating neutrophils in the reperfused myocardium. <i>Journal of Immunology</i> , <b>2000</b> , 164, 2752-8	5.3	15
23	Interleukin 6 induction in the canine myocardium after cardiopulmonary bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2000</b> , 120, 256-63	1.5	23
22	Mast Cells in Myocardial Ischaemia and Reperfusion <b>2000</b> , 507-522		1
21	Myocardial infarction and remodeling in mice: effect of reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1999</b> , 277, H660-8	5.2	65
20	Local insulin-like growth factor I expression induces physiologic, then pathologic, cardiac hypertrophy in transgenic mice. <i>FASEB Journal</i> , <b>1999</b> , 13, 1923-9	0.9	135

19	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
18	Histochemical and morphological characteristics of canine cardiac mast cells. <i>The Histochemical Journal</i> , <b>1999</b> , 31, 221-9		47
17	P-selectin mediates neutrophil adhesion to endothelial cell borders. <i>Journal of Leukocyte Biology</i> , <b>1999</b> , 65, 299-306	6.5	89
16	Modes of myocardial cell injury and cell death in ischemic heart disease. <i>Circulation</i> , <b>1998</b> , 98, 1355-7	16.7	150
15	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
14	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
13	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
12	Phagocytes in ischemia injury. <i>Annals of the New York Academy of Sciences</i> , <b>1997</b> , 832, 243-65	6.5	9
11	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> , <b>1997</b> , 95, 684-92	16.7	155
10	Induction of monocyte chemoattractant protein-1 in the small veins of the ischemic and reperfused canine myocardium. <i>Circulation</i> , <b>1997</b> , 95, 693-700	16.7	129
9	Role of Inflammation Following Myocardial Ischemia and Reperfusion <b>1997</b> , 569-584		1
8	Association of neutrophils with platelet aggregates in unstable angina. Should we alter therapy?. <i>Circulation</i> , <b>1996</b> , 94, 1206-8	16.7	18
7	Role of early reperfusion in the induction of adhesion molecules and cytokines in previously ischemic myocardium. <i>Molecular and Cellular Biochemistry</i> , <b>1995</b> , 147, 5-12	4.2	49
6	Induction of interleukin-6 synthesis in the myocardium. Potential role in postreperfusion inflammatory injury. <i>Circulation</i> , <b>1995</b> , 92, 1866-75	16.7	211
5	Regulation of ICAM-1 and IL-6 in Myocardial Ischemia: Effect of Reperfusion a. <i>Annals of the New York Academy of Sciences</i> , <b>1994</b> , 723, 258-270	6.5	41
4	Adhesion Molecule-Dependent Cardiovascular Injury <b>1994</b> , 187-212		4
3	Inflammation in the course of early myocardial ischemia. <i>FASEB Journal</i> , <b>1991</b> , 5, 2529-37	0.9	358
2	Cytochemical studies of a glycogen-sarcoplasmic reticulum complex. <i>Journal of Muscle Research and Cell Motility</i> , <b>1985</b> , 6, 177-87	3.5	11

- 1 Comparison of hepatic extraction of insulin and glucagon in conscious and anesthetized dogs.  
*Endocrinology*, **1983**, 112, 1098-109 4.8 110