Mark L Entman

List of Publications by Year
in descending order

102 papers	13,389 citations	43973 48 h-index	58464 82 g-index
107 all docs	107 docs citations	107 times ranked	11798 citing authors

#	Article	IF	Citations
1	The inflammatory response in myocardial infarction. Cardiovascular Research, 2002, 53, 31-47.	1.8	1,729
2	Regeneration of ischemic cardiac muscle and vascular endothelium by adult stem cells. Journal of Clinical Investigation, 2001, 107, 1395-1402.	3.9	1,716
3	Cardiac progenitor cells from adult myocardium: Homing, differentiation, and fusion after infarction. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12313-12318.	3.3	1,652
4	CCL2/Monocyte Chemoattractant Protein-1 Regulates Inflammatory Responses Critical to Healing Myocardial Infarcts. Circulation Research, 2005, 96, 881-889.	2.0	628
5	Resident Cardiac Mast Cells Degranulate and Release Preformed TNF-Î±, Initiating the Cytokine Cascade in Experimental Canine Myocardial Ischemia/Reperfusion. Circulation, 1998, 98, 699-710.	1.6	459
6	Inflammation in the course of early myocardial ischemia. FASEB Journal, 1991, 5, 2529-2537.	0.2	377
7	Of Mice and Dogs. American Journal of Pathology, 2004, 164, 665-677.	1.9	352
8	Bone marrow-derived fibroblast precursors mediate ischemic cardiomyopathy in mice. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18284-18289.	3.3	320
9	Cardiac Myocytes Produce Interleukin-6 in Culture and in Viable Border Zone of Reperfused Infarctions. Circulation, 1999, 99, 546-551.	1.6	302
10	Critical Role of Endogenous Thrombospondin-1 in Preventing Expansion of Healing Myocardial Infarcts. Circulation, 2005, 111, 2935-2942.	1.6	280
11	IL-10 Is Induced in the Reperfused Myocardium and May Modulate the Reaction to Injury. Journal of Immunology, 2000, 165, 2798-2808.	0.4	261
12	Induction of Interleukin-6 Synthesis in the Myocardium. Circulation, 1995, 92, 1866-1875.	1.6	250
13	Critical Role of Monocyte Chemoattractant Protein-1/CC Chemokine Ligand 2 in the Pathogenesis of Ischemic Cardiomyopathy. Circulation, 2007, 115, 584-592.	1.6	239
14	Myofibroblasts in reperfused myocardial infarcts express the embryonic form of smooth muscle myosin heavy chain (SMemb). Cardiovascular Research, 2000, 48, 89-100.	1.8	200
15	The Role of Platelet-Derived Growth Factor Signaling in Healing Myocardial Infarcts. Journal of the American College of Cardiology, 2006, 48, 2315-2323.	1.2	191
16	Complement C5a, TGF-Î²1, and MCP-1, in Sequence, Induce Migration of Monocytes Into Ischemic Canine Myocardium Within the First One to Five Hours After Reperfusion. Circulation, 1997, 95, 684-692.	1.6	188
17	Coronary Microembolization: the Role of TNF- Î± in Contractile Dysfunction. Journal of Molecular and Cellular Cardiology, 2002, 34, 51-62.	0.9	176
18	Stem Cell Plasticity in Muscle and Bone Marrow. Annals of the New York Academy of Sciences, 2001, 938, 208-220.	1.8	172

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19	Modes of Myocardial Cell Injury and Cell Death in Ischemic Heart Disease. Circulation, 1998, 98, 1355-1357.	1.6	171
20	Telomere attrition and Chk2 activation in human heart failure. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5378-5383.	3.3	171
21	Stem Cell Factor Induction Is Associated With Mast Cell Accumulation After Canine Myocardial Ischemia and Reperfusion. Circulation, 1998, 98, 687-698.	1.6	170
22	Cytokines and the Microcirculation in Ischemia and Reperfusion. Journal of Molecular and Cellular Cardiology, 1998, 30, 2567-2576.	0.9	168
23	Morphological Characteristics of the Microvasculature in Healing Myocardial Infarcts. Journal of Histochemistry and Cytochemistry, 2002, 50, 71-79.	1.3	158
24	Local insulinâ€like growth factor I expression induces physiologic, then pathologic, cardiac hypertrophy in transgenic mice. FASEB Journal, 1999, 13, 1923-1929.	0.2	149
25	Induction of Monocyte Chemoattractant Protein-1 in the Small Veins of the Ischemic and Reperfused Canine Myocardium. Circulation, 1997, 95, 693-700.	1.6	147
26	Cardiac Muscle Plasticity in Adult and Embryo by Heart-Derived Progenitor Cells. Annals of the New York Academy of Sciences, 2004, 1015, 182-189.	1.8	132
27	Comparison of Hepatic Extraction of Insulin and Glucagon in Conscious and Anesthetized Dogs*. Endocrinology, 1983, 112, 1098-1109.	1.4	122
28	Chemokines in Myocardial Ischemia. Trends in Cardiovascular Medicine, 2005, 15, 163-169.	2.3	113
29	Reactive Oxygen Intermediates Induce Monocyte Chemotactic Protein-1 in Vascular Endothelium after Brief Ischemia. American Journal of Pathology, 2001, 159, 1301-1311.	1.9	105
30	Effects of diet-induced obesity on inflammation and remodeling after myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H2504-H2514.	1.5	99
31	P-selectin mediates neutrophil adhesion to endothelial cell borders. Journal of Leukocyte Biology, 1999, 65, 299-306.	1.5	98
32	Induction and suppression of interferonâ€inducible protein (IP)â€10 in reperfused myocardial infarcts may regulate angiogenesis. FASEB Journal, 2001, 15, 1428-1430.	0.2	98
33	Active interstitial remodeling: an important process in the hibernating human myocardium. Journal of the American College of Cardiology, 2002, 39, 1468-1474.	1.2	98
34	Mast cells and macrophages in normal C57/BL/6 mice. Histochemistry and Cell Biology, 2002, 118, 41-49.	0.8	96
35	MCSF expression is induced in healing myocardial infarcts and may regulate monocyte and endothelial cell phenotype. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H483-H492.	1.5	92
36	The role of natural IgM in myocardial ischemiaâ€"reperfusion injury. Journal of Molecular and Cellular Cardiology, 2006, 41, 62-67.	0.9	84

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37	Evidence for an Active Inflammatory Process in the Hibernating Human Myocardium. American Journal of Pathology, 2002, 160, 1425-1433.	1.9	82
38	Mast cell tryptase may modulate endothelial cell phenotype in healing myocardial infarcts. Journal of Pathology, 2005, 205, 102-111.	2.1	82
39	Cardiac mesenchymal stem cells contribute to scar formation after myocardial infarction. Cardiovascular Research, 2011, 91, 99-107.	1.8	82
40	Myocardial infarction and remodeling in mice: effect of reperfusion. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H660-H668.	1.5	76
41	NLRP3 inflammasome is a key driver of obesity-induced atrial arrhythmias. Cardiovascular Research, 2021, 117, 1746-1759.	1.8	67
42	MAP4K4 Inhibition Promotes Survival of Human Stem Cell-Derived Cardiomyocytes and Reduces Infarct Size InÂVivo. Cell Stem Cell, 2019, 24, 579-591.e12.	5.2	66
43	Role of early reperfusion in the induction of adhesion molecules and cytokines in previously ischemic myocardium. Molecular and Cellular Biochemistry, 1995, 147, 5-12.	1.4	63
44	Histochemical and morphological characteristics of canine cardiac mast cells. The Histochemical Journal, 1999, 31, 221-229.	0.6	59
45	Brief murine myocardial I/R induces chemokines in a TNF-Î±-independent manner: role of oxygen radicals. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H2549-H2558.	1.5	59
46	Adverse fibrosis in the aging heart depends on signaling between myeloid and mesenchymal cells; role of inflammatory fibroblasts. Journal of Molecular and Cellular Cardiology, 2014, 70, 56-63.	0.9	57
47	Regulation of ICAM-1 and IL-6 in Myocardial Ischemia: Effect of Reperfusion a. Annals of the New York Academy of Sciences, 1994, 723, 258-270.	1.8	55
48	AICAR-dependent AMPK activation improves scar formation in the aged heart in a murine model of reperfused myocardial infarction. Journal of Molecular and Cellular Cardiology, 2013, 63, 26-36.	0.9	50
49	Origin of Developmental Precursors Dictates the Pathophysiologic Role of Cardiac Fibroblasts. Journal of Cardiovascular Translational Research, 2012, 5, 749-759.	1.1	48
50	Defective Myofibroblast Formation from Mesenchymal Stem Cells in the Aging Murine Heart. American Journal of Pathology, 2011, 179, 1792-1806.	1.9	46
51	Oncostatin M differentially regulates CXC chemokines in mouse cardiac fibroblasts. American Journal of Physiology - Cell Physiology, 2006, 291, C18-C26.	2.1	45
52	Tumor Necrosis Factor. Circulation: Heart Failure, 2015, 8, 352-361.	1.6	45
53	Plasma Levels of Endothelial Microparticles Bearing Monomeric C-reactive Protein are Increased in Peripheral Artery Disease. Journal of Cardiovascular Translational Research, 2016, 9, 184-193.	1.1	45
54	CXCR6 Plays a Critical Role in Angiotensin IIâ€"Induced Renal Injury and Fibrosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1422-1428.	1.1	44

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55	Vascular Mural Cells in Healing Canine Myocardial Infarcts. Journal of Histochemistry and Cytochemistry, 2004, 52, 1019-1029.	1.3	43
56	Mesenchymal stem cell-derived inflammatory fibroblasts mediate interstitial fibrosis in the aging heart. Journal of Molecular and Cellular Cardiology, 2016, 91, 28-34.	0.9	43
57	Induction of the synthesis of the C-X-C chemokine interferon-Î³-inducible protein-10 in experimental canine endotoxemia. Cell and Tissue Research, 2000, 302, 365-376.	1.5	38
58	AMP-activated protein kinase/myocardin-related transcription factor-A signaling regulates fibroblast activation and renal fibrosis. Kidney International, 2018, 93, 81-94.	2.6	31
59	Interleukin 6 induction in the canine myocardium after cardiopulmonary bypass. Journal of Thoracic and Cardiovascular Surgery, 2000, 120, 256-263.	0.4	30
60	Targeting the Chemokines in Myocardial Inflammation. Circulation, 2004, 110, 1341-1342.	1.6	30
61	Left Atrial Volume and Pulmonary Artery Diameter Are Noninvasive Measures of Age-Related Diastolic Dysfunction in Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 1141-1150.	1.7	28
62	Improved Cardiovascular Function in Old Mice After N-Acetyl Cysteine and Glycine Supplemented Diet: Inflammation and Mitochondrial Factors. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1167-1177.	1.7	28
63	Mesenchymal stem cell-derived inflammatory fibroblasts promote monocyte transition into myeloid fibroblasts<i>via</i>an IL-6-dependent mechanism in the aging mouse heart. FASEB Journal, 2015, 29, 3160-3170.	0.2	27
64	Dissecting the role of myeloid and mesenchymal fibroblasts in age-dependent cardiac fibrosis. Basic Research in Cardiology, 2017, 112, 34.	2.5	26
65	Association of Neutrophils With Platelet Aggregates in Unstable Angina. Circulation, 1996, 94, 1206-1208.	1.6	26
66	Circulating Aldosterone Levels and Disease Severity in Pulmonary Arterial Hypertension. Journal of Pulmonary & Respiratory Medicine, 2015, 05, .	0.1	18
67	Aicar treatment reduces interstitial fibrosis in aging mice. Journal of Molecular and Cellular Cardiology, 2017, 111, 81-85.	0.9	18
68	Time-Dependent Loss of Mac-1 from Infiltrating Neutrophils in the Reperfused Myocardium. Journal of Immunology, 2000, 164, 2752-2758.	0.4	17
69	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. Redox Biology, 2021, 47, 102132.	3.9	17
70	Cytochemical studies of a glycogen-sarcoplasmic reticulum complex. Journal of Muscle Research and Cell Motility, 1985, 6, 177-187.	0.9	13
71	Steroid Receptor Coactivator-2 Is a Dual Regulator of Cardiac Transcription Factor Function. Journal of Biological Chemistry, 2014, 289, 17721-17731.	1.6	13
72	Rho Associated Coiled-Coil Kinase-1 Regulates Collagen-Induced Phosphatidylserine Exposure in Platelets. PLoS ONE, 2013, 8, e84649.	1.1	13

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73	Sex-specific phenotypes in the aging mouse heart and consequences for chronic fibrosis. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H285-H300.	1.5	13
74	TNF/Ang-II synergy is obligate for fibroinflammatory pathology, but not for changes in cardiorenal function. Physiological Reports, 2016, 4, e12765.	0.7	11
75	Collagen Metabolism Biomarkers and Health Related Quality of Life in Pulmonary Arterial Hypertension. International Journal of Cardiovascular Research, 2015, 04, .	0.1	11
76	Transient activation of AMPK preceding left ventricular pressure overload reduces adverse remodeling and preserves left ventricular function. FASEB Journal, 2019, 33, 711-721.	0.2	10
77	Phagocytes in Ischemia Injury. Annals of the New York Academy of Sciences, 1997, 832, 243-265.	1.8	9
78	The role of C-reactive protein in innate and acquired inflammation: new perspectives. Inflammation and Cell Signaling, 2016, 3, .	1.6	9
79	Identification of Mast Cells in the Cellular Response to Myocardial Infarction. , 2006, 315, 091-102.		7
80	Treatment with a DC-SIGN ligand reduces macrophage polarization and diastolic dysfunction in the aging female but not male mouse hearts. GeroScience, 2021, 43, 881-899.	2.1	5
81	Aortic acceleration as a noninvasive index of left ventricular contractility in the mouse. Scientific Reports, 2021, 11, 536.	1.6	5
82	Adhesion Molecule-Dependent Cardiovascular Injury. , 1994, , 187-212.		4
83	For want of a few good shams. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H1017-H1018.	1.5	3
84	Role of Inflammation Following Myocardial Ischemia and Reperfusion. , 1997, , 569-584.		3
85	Mast Cells in Myocardial Ischaemia and Reperfusion. , 2000, , 507-522.		2
86	Abstract 1949: The Protein Kinase MAP4K4 Is Activated in Failing Human Hearts and Mediates Cardiomyocyte Apoptosis in Experimental Models, in vitro and in vivo. Circulation, 2007, 116, .	1.6	1
87	The Role of Inflammation in Cardiac Function and Repair. Progress in Experimental Cardiology, 2003, , 19-28.	0.0	0
88	GLUTATHIONE, INFLAMMATION, MITOCHONDRIAL FAT OXIDATION AND DIASTOLIC HEART FUNCTION IN OLD MICE. Innovation in Aging, 2019, 3, S416-S416.	0.0	0
89	Myocardial reperfusion: A State of Inflammation. , 2001, , 93-101.		0
90	Mast Cells in Experimental Myocardial Infarction. Developments in Cardiovascular Medicine, 2003, , 121-132.	0.1	0

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91	Coronary flow velocity reserve is reduced in mice with atherosclerosis, pressure overload hypertrophy, and coronary occlusion. FASEB Journal, 2009, 23, 1032.6.	0.2	0
92	Abstract P125: Sunitinib-Induced Cardiomyopathy Is Due to PDGFR-aÌ•Inhibition and Can Be Prevented by Cotreatment with Thalidomide. Circulation Research, 2011, 109, .	2.0	0
93	Abstract 208: Farnesylation-Dependent Fibrosis in the Aged Murine Heart. Circulation Research, 2012, 111, .	2.0	0
94	Abstract 229: TNF Receptor 1 Signaling Is Critically Involved in Mediating Angiotensin II-Induced Cardiac Fibrosis and Dysfunction. Circulation Research, 2012, 111, .	2.0	0
95	Rho Associated Coiled-Coil Kinase-1 Regulates Collagen-Induced Phosphatidylserine Exposure In Platelets. Blood, 2013, 122, 3509-3509.	0.6	0
96	Abstract 75: TNF Receptor 1 Signaling: a Mechanistic Link between Cardiac Inflammation and Fibrosis. Circulation Research, 2014, 115, .	2.0	0
97	Abstract 74: The Inflammatory Phenotype Of Mesenchymal Fibroblasts And Its Role In Aging Dependent Cardiac Fibrosis- A Target For Statins?. Circulation Research, 2014, 115, .	2.0	0
98	Abstract 215: Angiotensin-II-induced Cardiac Remodeling is Reduced in TNFR1-deficient Mice Despite Increased Blood Pressure. Hypertension, 2014, 64, .	1.3	0
99	Abstract 76: Effects of Long-term Angiotensin-II Infusion on Cardiac and Renal Fibrosis are Blunted in TNFR1-deficient Mice. Circulation Research, 2015, 117, .	2.0	0
100	Abstract 129: Transient Activation of AMPK Prior to Cardiac Pressure Overload Alleviates Fibrotic Accumulation and Functional Decline. Circulation Research, 2016, 119, .	2.0	0
101	Abstract P400: Treatment With The AMPK Agonist AICAR Alleviates Age-associated Cardiac Defects In The Mouse By Distinct Sex-specific Mechanisms. Circulation Research, 2021, 129, .	2.0	0
102	Abstract P245: Loss of Steroid Receptor Coactivator-2 in the Heart Results in a Return to the Fetal Gene Program. Circulation Research, 2011, 109, .	2.0	0