Mark L Entman

List of Publications by Year
in descending order

102 papers	13,389 citations	44042 48 h-index	58549 82 g-index
107 all docs	107 docs citations	107 times ranked	11798 citing authors

#	Article	IF	Citations
1	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
2	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
3	Aortic acceleration as a noninvasive index of left ventricular contractility in the mouse. Scientific Reports, 2021, 11, 536.	1.6	5
4	NLRP3 inflammasome is a key driver of obesity-induced atrial arrhythmias. Cardiovascular Research, 2021, 117, 1746-1759.	1.8	67
5	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
6	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
7	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
8	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
9	GLUTATHIONE, INFLAMMATION, MITOCHONDRIAL FAT OXIDATION AND DIASTOLIC HEART FUNCTION IN OLD MICE. Innovation in Aging, 2019, 3, S416-S416.	0.0	0
10	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
11	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
12	Aicar treatment reduces interstitial fibrosis in aging mice. Journal of Molecular and Cellular Cardiology, 2017, 111, 81-85.	0.9	18
13	Dissecting the role of myeloid and mesenchymal fibroblasts in age-dependent cardiac fibrosis. Basic Research in Cardiology, 2017, 112, 34.	2.5	26
14	TNF/Ang-II synergy is obligate for fibroinflammatory pathology, but not for changes in cardiorenal function. Physiological Reports, 2016, 4, e12765.	0.7	11
15	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
16	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
17	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
18	Abstract 129: Transient Activation of AMPK Prior to Cardiac Pressure Overload Alleviates Fibrotic Accumulation and Functional Decline. Circulation Research, 2016, 119, .	2.0	0

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19	The role of C-reactive protein in innate and acquired inflammation: new perspectives. Inflammation and Cell Signaling, 2016, 3, .	1.6	9
20	Circulating Aldosterone Levels and Disease Severity in Pulmonary Arterial Hypertension. Journal of Pulmonary & Respiratory Medicine, 2015, 05, .	0.1	18
21	Tumor Necrosis Factor. Circulation: Heart Failure, 2015, 8, 352-361.	1.6	45
22	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
23	Collagen Metabolism Biomarkers and Health Related Quality of Life in Pulmonary Arterial Hypertension. International Journal of Cardiovascular Research, 2015, 04, .	0.1	11
24	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
25	Steroid Receptor Coactivator-2 Is a Dual Regulator of Cardiac Transcription Factor Function. Journal of Biological Chemistry, 2014, 289, 17721-17731.	1.6	13
26	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
27	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
28	Abstract 75: TNF Receptor 1 Signaling: a Mechanistic Link between Cardiac Inflammation and Fibrosis. Circulation Research, 2014, 115, .	2.0	0
29	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
30	Abstract 215: Angiotensin-II-induced Cardiac Remodeling is Reduced in TNFR1-deficient Mice Despite Increased Blood Pressure. Hypertension, 2014, 64, .	1.3	0
31	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
32	Rho Associated Coiled-Coil Kinase-1 Regulates Collagen-Induced Phosphatidylserine Exposure in Platelets. PLoS ONE, 2013, 8, e84649.	1.1	13
33	Rho Associated Coiled-Coil Kinase-1 Regulates Collagen-Induced Phosphatidylserine Exposure In Platelets. Blood, 2013, 122, 3509-3509.	0.6	0
34	Origin of Developmental Precursors Dictates the Pathophysiologic Role of Cardiac Fibroblasts. Journal of Cardiovascular Translational Research, 2012, 5, 749-759.	1.1	48
35	Abstract 208: Farnesylation-Dependent Fibrosis in the Aged Murine Heart. Circulation Research, 2012, 111, .	2.0	0
36	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

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37	Defective Myofibroblast Formation from Mesenchymal Stem Cells in the Aging Murine Heart. American Journal of Pathology, 2011, 179, 1792-1806.	1.9	46
38	Cardiac mesenchymal stem cells contribute to scar formation after myocardial infarction. Cardiovascular Research, 2011, 91, 99-107.	1.8	82
39	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
40	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
41	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
42	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
43	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
44	Identification of Mast Cells in the Cellular Response to Myocardial Infarction. , 2006, 315, 091-102.		7
45	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
46	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
47	The role of natural IgM in myocardial ischemiaâ€“reperfusion injury. Journal of Molecular and Cellular Cardiology, 2006, 41, 62-67.	0.9	84
48	Oncostatin M differentially regulates CXC chemokines in mouse cardiac fibroblasts. American Journal of Physiology - Cell Physiology, 2006, 291, C18-C26.	2.1	45
49	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
50	CCL2/Monocyte Chemoattractant Protein-1 Regulates Inflammatory Responses Critical to Healing Myocardial Infarcts. Circulation Research, 2005, 96, 881-889.	2.0	628
51	Chemokines in Myocardial Ischemia. Trends in Cardiovascular Medicine, 2005, 15, 163-169.	2.3	113
52	Mast cell tryptase may modulate endothelial cell phenotype in healing myocardial infarcts. Journal of Pathology, 2005, 205, 102-111.	2.1	82
53	Critical Role of Endogenous Thrombospondin-1 in Preventing Expansion of Healing Myocardial Infarcts. Circulation, 2005, 111, 2935-2942.	1.6	280
54	Targeting the Chemokines in Myocardial Inflammation. Circulation, 2004, 110, 1341-1342.	1.6	30

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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	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
57	Of Mice and Dogs. American Journal of Pathology, 2004, 164, 665-677.	1.9	352
58	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
59	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
60	The Role of Inflammation in Cardiac Function and Repair. Progress in Experimental Cardiology, 2003, , 19-28.	0.0	0
61	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
62	Mast Cells in Experimental Myocardial Infarction. Developments in Cardiovascular Medicine, 2003, , 121-132.	0.1	0
63	Morphological Characteristics of the Microvasculature in Healing Myocardial Infarcts. Journal of Histochemistry and Cytochemistry, 2002, 50, 71-79.	1.3	158
64	Evidence for an Active Inflammatory Process in the Hibernating Human Myocardium. American Journal of Pathology, 2002, 160, 1425-1433.	1.9	82
65	Coronary Microembolization: the Role of TNF- Î± in Contractile Dysfunction. Journal of Molecular and Cellular Cardiology, 2002, 34, 51-62.	0.9	176
66	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
67	The inflammatory response in myocardial infarction. Cardiovascular Research, 2002, 53, 31-47.	1.8	1,729
68	Mast cells and macrophages in normal C57/BL/6 mice. Histochemistry and Cell Biology, 2002, 118, 41-49.	0.8	96
69	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
70	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
71	Regeneration of ischemic cardiac muscle and vascular endothelium by adult stem cells. Journal of Clinical Investigation, 2001, 107, 1395-1402.	3.9	1,716
72	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

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73	Stem Cell Plasticity in Muscle and Bone Marrow. Annals of the New York Academy of Sciences, 2001, 938, 208-220.	1.8	172
74	Myocardial reperfusion: A State of Inflammation. , 2001, , 93-101.		0
75	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
76	For want of a few good shams. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H1017-H1018.	1.5	3
77	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
78	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
79	Time-Dependent Loss of Mac-1 from Infiltrating Neutrophils in the Reperfused Myocardium. Journal of Immunology, 2000, 164, 2752-2758.	0.4	17
80	Interleukin 6 induction in the canine myocardium after cardiopulmonary bypass. Journal of Thoracic and Cardiovascular Surgery, 2000, 120, 256-263.	0.4	30
81	Mast Cells in Myocardial Ischaemia and Reperfusion. , 2000, , 507-522.		2
82	Myocardial infarction and remodeling in mice: effect of reperfusion. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H660-H668.	1.5	76
83	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
84	Cardiac Myocytes Produce Interleukin-6 in Culture and in Viable Border Zone of Reperfused Infarctions. Circulation, 1999, 99, 546-551.	1.6	302
85	Histochemical and morphological characteristics of canine cardiac mast cells. The Histochemical Journal, 1999, 31, 221-229.	0.6	59
86	P-selectin mediates neutrophil adhesion to endothelial cell borders. Journal of Leukocyte Biology, 1999, 65, 299-306.	1.5	98
87	Modes of Myocardial Cell Injury and Cell Death in Ischemic Heart Disease. Circulation, 1998, 98, 1355-1357.	1.6	171
88	Cytokines and the Microcirculation in Ischemia and Reperfusion. Journal of Molecular and Cellular Cardiology, 1998, 30, 2567-2576.	0.9	168
89	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
90	Stem Cell Factor Induction Is Associated With Mast Cell Accumulation After Canine Myocardial Ischemia and Reperfusion. Circulation, 1998, 98, 687-698.	1.6	170

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91	Phagocytes in Ischemia Injury. Annals of the New York Academy of Sciences, 1997, 832, 243-265.	1.8	9
92	Role of Inflammation Following Myocardial Ischemia and Reperfusion. , 1997, , 569-584.		3
93	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
94	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
95	Association of Neutrophils With Platelet Aggregates in Unstable Angina. Circulation, 1996, 94, 1206-1208.	1.6	26
96	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
97	Induction of Interleukin-6 Synthesis in the Myocardium. Circulation, 1995, 92, 1866-1875.	1.6	250
98	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
99	Adhesion Molecule-Dependent Cardiovascular Injury. , 1994, , 187-212.		4
100	Inflammation in the course of early myocardial ischemia. FASEB Journal, 1991, 5, 2529-2537.	0.2	377
101	Cytochemical studies of a glycogen-sarcoplasmic reticulum complex. Journal of Muscle Research and Cell Motility, 1985, 6, 177-187.	0.9	13
102	Comparison of Hepatic Extraction of Insulin and Glucagon in Conscious and Anesthetized Dogs*. Endocrinology, 1983, 112, 1098-1109.	1.4	122