Anthony Rosenzweig

List of Publications by Citations

71 papers	9,346 citations	36 h-index	87 g-index
87 ext. papers	10,552 ext. citations	14.1 avg, IF	5.48 L-index

#	Paper	IF	Citations
71	MCP-1 and IL-8 trigger firm adhesion of monocytes to vascular endothelium under flow conditions. *Nature*, **1999**, 398, 718-23	50.4	1064
70	Cardiotoxicity of the cancer therapeutic agent imatinib mesylate. *Nature Medicine*, **2006**, 12, 908-16	50.5	920
69	HIF-independent regulation of VEGF and angiogenesis by the transcriptional coactivator PGC-1alpha. *Nature*, **2008**, 451, 1008-12	50.4	808
68	Nutrient-sensitive mitochondrial NAD+ levels dictate cell survival. *Cell*, **2007**, 130, 1095-107	56.2	754
67	Akt activation preserves cardiac function and prevents injury after transient cardiac ischemia in vivo. *Circulation*, **2001**, 104, 330-5	16.7	621
66	Transcriptional coactivator PGC-1 alpha controls the energy state and contractile function of cardiac muscle. *Cell Metabolism*, **2005**, 1, 259-71	24.6	532
65	Regulation of the mPTP by SIRT3-mediated deacetylation of CypD at lysine 166 suppresses age-related cardiac hypertrophy. *Aging*, **2010**, 2, 914-23	5.6	397
64	Restoration of contractile function in isolated cardiomyocytes from failing human hearts by gene transfer of SERCA2a. *Circulation*, **1999**, 100, 2308-11	16.7	390
63	Phenotypic spectrum caused by transgenic overexpression of activated Akt in the heart. *Journal of Biological Chemistry*, **2002**, 277, 22896-901	5.4	349
62	Adenoviral gene transfer of activated phosphatidylinositol 3Skinase and Akt inhibits apoptosis of hypoxic cardiomyocytes in vitro. *Circulation*, **1999**, 100, 2373-9	16.7	341
61	Transverse aortic constriction leads to accelerated heart failure in mice lacking PPAR-gamma coactivator 1alpha. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 10086-91	11.5	298
60	C/EBP□controls exercise-induced cardiac growth and protects against pathological cardiac remodeling. *Cell*, **2010**, 143, 1072-83	56.2	289
59	miR-222 is necessary for exercise-induced cardiac growth and protects against pathological cardiac remodeling. *Cell Metabolism*, **2015**, 21, 584-95	24.6	220
58	Restoration of diastolic function in senescent rat hearts through adenoviral gene transfer of sarcoplasmic reticulum Ca(2+)-ATPase. *Circulation*, **2000**, 101, 790-6	16.7	217
57	Cardiac macrophages promote diastolic dysfunction. *Journal of Experimental Medicine*, **2018**, 215, 423-440	16.6	182
56	Inhibition of ErbB2 causes mitochondrial dysfunction in cardiomyocytes: implications for herceptin-induced cardiomyopathy. *Journal of the American College of Cardiology*, **2004**, 44, 2231-8	15.1	182
55	miR-17-3p Contributes to Exercise-Induced Cardiac Growth and Protects against Myocardial Ischemia-Reperfusion Injury. *Theranostics*, **2017**, 7, 664-676	12.1	129

54	Myostatin regulates cardiomyocyte growth through modulation of Akt signaling. *Circulation Research*, **2006**, 99, 15-24	15.7	127
53	Circulating MicroRNA-30d Is Associated With Response to Cardiac Resynchronization Therapy in Heart Failure and Regulates Cardiomyocyte Apoptosis: A Translational Pilot Study. *Circulation*, **2015**, 131, 2202-2216	16.7	100
52	Adipose tissue mitochondrial dysfunction triggers a lipodystrophic syndrome with insulin resistance, hepatosteatosis, and cardiovascular complications. *FASEB Journal*, **2014**, 28, 4408-19	0.9	95
51	Effects of myostatin deletion in aging mice. *Aging Cell*, **2009**, 8, 573-83	9.9	87
50	Exercise induces new cardiomyocyte generation in the adult mammalian heart. *Nature Communications*, **2018**, 9, 1659	17.4	83
49	Endothelial progenitor cells. *New England Journal of Medicine*, **2003**, 348, 581-2	59.2	72
48	Can exercise teach us how to treat heart disease?. *Circulation*, **2012**, 126, 2625-35	16.7	71
47	The Role of Exercise in Cardiac Aging: From Physiology to Molecular Mechanisms. *Circulation Research*, **2016**, 118, 279-95	15.7	69
46	Pathological role of serum- and glucocorticoid-regulated kinase 1 in adverse ventricular remodeling. *Circulation*, **2012**, 126, 2208-19	16.7	64
45	Why Don$t We Have Proven Treatments for HFpEF?. *Circulation Research*, **2017**, 120, 1243-1245	15.7	62
44	Strategic advantages of insulin-like growth factor-I expression for cardioprotection. *Journal of Gene Medicine*, **2003**, 5, 277-86	3.5	55
43	Importance of FADD signaling in serum deprivation- and hypoxia-induced cardiomyocyte apoptosis. *Journal of Biological Chemistry*, **2002**, 277, 31639-45	5.4	51
42	Cardiomyocyte Cell-Cycle Activity during Preadolescence. *Cell*, **2015**, 163, 781-2	56.2	50
41	Molecular MRI detects low levels of cardiomyocyte apoptosis in a transgenic model of chronic heart failure. *Circulation: Cardiovascular Imaging*, **2009**, 2, 468-75	3.9	48
40	CITED4 induces physiologic hypertrophy and promotes functional recovery after ischemic injury. *JCI Insight*, **2016**, 1,	9.9	45
39	Activin type II receptor signaling in cardiac aging and heart failure. *Science Translational Medicine*, **2019**, 11,	17.5	43
38	Adhesion of memory lymphocytes to vascular cell adhesion molecule-1-transduced human vascular endothelial cells under simulated physiological flow conditions in vitro. *Circulation Research*, **1996**, 79, 1205-15	15.7	40
37	C-C and C-X-C chemokines trigger firm adhesion of monocytes to vascular endothelium under flow conditions. *Annals of the New York Academy of Sciences*, **2000**, 902, 288-93	6.5	38

36	Targeting Age-Related Pathways in Heart Failure. *Circulation Research*, **2020**, 126, 533-551	15.7	36
35	What do we know about the cardiac benefits of exercise?. *Trends in Cardiovascular Medicine*, **2015**, 25, 529-36	6.9	36
34	Plasma Circulating Extracellular RNAs in Left Ventricular Remodeling Post-Myocardial Infarction. *EBioMedicine*, **2018**, 32, 172-181	8.8	31
33	Phenotypic screen quantifying differential regulation of cardiac myocyte hypertrophy identifies CITED4 regulation of myocyte elongation. *Journal of Molecular and Cellular Cardiology*, **2014**, 72, 74-84	5.8	30
32	Using exercise to measure and modify cardiac function. *Cell Metabolism*, **2015**, 21, 227-236	24.6	28
31	Medicine. Cardiac regeneration. *Science*, **2012**, 338, 1549-50	33.3	27
30	Targeting survival signaling in heart failure. *Current Opinion in Pharmacology*, **2005**, 5, 165-70	5.1	24
29	Associations of Circulating Extracellular RNAs With Myocardial Remodeling and Heart Failure. *JAMA Cardiology*, **2018**, 3, 871-876	16.2	22
28	Mechanisms of exercise-induced cardiac growth. *Drug Discovery Today*, **2014**, 19, 1003-9	8.8	21
27	DDiT4L promotes autophagy and inhibits pathological cardiac hypertrophy in response to stress. *Science Signaling*, **2017**, 10,	8.8	20
26	MicroRNAs Associated With Reverse Left Ventricular Remodeling in Humans Identify Pathways of Heart Failure Progression. *Circulation: Heart Failure*, **2018**, 11, e004278	7.6	20
25	Role of apoptosis in heart failure. *Heart Failure Clinics*, **2005**, 1, 251-61	3.3	20
24	PDK4 Inhibits Cardiac Pyruvate Oxidation in Late Pregnancy. *Circulation Research*, **2017**, 121, 1370-1378	15.7	17
23	Exercise training reverses cardiac aging phenotypes associated with heart failure with preserved ejection fraction in male mice. *Aging Cell*, **2020**, 19, e13159	9.9	16
22	A Novel Transgenic Mouse Model of Cardiac Hypertrophy and Atrial Fibrillation. *Journal of Atrial Fibrillation*, **2012**, 4, 415	0.8	15
21	Inhibition of serum and glucocorticoid regulated kinase-1 as novel therapy for cardiac arrhythmia disorders. *Scientific Reports*, **2017**, 7, 346	4.9	14
20	Susceptibility to Cardiac Arrhythmias and Sympathetic Nerve Growth in VEGF-B Overexpressing Myocardium. *Molecular Therapy*, **2020**, 28, 1731-1740	11.7	10
19	S100A6 Regulates Endothelial Cell Cycle Progression by Attenuating Antiproliferative Signal Transducers and Activators of Transcription 1 Signaling. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 1854-67	9.4	10

18	CITED4 Protects Against Adverse Remodeling in Response to Physiological and Pathological Stress. *Circulation Research*, **2020**, 127, 631-646	15.7	9
17	The Role of MicroRNAs in the Cardiac Response to Exercise. *Cold Spring Harbor Perspectives in Medicine*, **2017**, 7,	5.4	8
16	An expanded repertoire of intensity-dependent exercise-responsive plasma proteins tied to loci of human disease risk. *Scientific Reports*, **2020**, 10, 10831	4.9	7
15	Ketone bodies for the failing heart: fuels that can fix the engine?. *Trends in Endocrinology and Metabolism*, **2021**, 32, 814-826	8.8	4
14	Three-dimensional myocardial scarring along myofibers after coronary ischemia-reperfusion revealed by computerized images of histological assays. *Physiological Reports*, **2014**, 2, e12072	2.6	3
13	Cardiac signal transduction. *Journal of Nuclear Cardiology*, **2000**, 7, 63-71	2.1	3
12	Size matters: Finding growth pathways that protect the heart. *Cell Research*, **2017**, 27, 1187-1188	24.7	2
11	Targeting ischemic cardiac dysfunction through gene transfer. *Current Atherosclerosis Reports*, **2003**, 5, 191-5	6	2
10	Patient and Provider Risk in Managing ST-Elevation Myocardial Infarction During the COVID-19 Pandemic: A Decision Analysis. *Circulation: Cardiovascular Interventions*, **2020**, 13, e010027	6	2
9	Serum Proteomics of Older Patients Undergoing Major Cardiac Surgery: Identification of Biomarkers Associated With Postoperative Delirium. *Frontiers in Aging Neuroscience*, **2021**, 13, 699763	5.3	2
8	Plasma Proteomics of COVID-19 Associated Cardiovascular Complications: Implications for Pathophysiology and Therapeutics **2021**,		1
7	Response to Letter Regarding Article, "Circulating MicroRNA-30d Is Associated With Response to Cardiac Resynchronization Therapy in Heart Failure and Regulates Cardiomyocyte Apoptosis: A Translational Pilot Study". *Circulation*, **2016**, 133, e389-e390	16.7	0
6	Delivery Systems for Gene Therapy. *Current Protocols in Human Genetics*, **2008**, 56, 13.0.1	3.2	
5	Cardiac-Specific Gene Expression Facilitated by an Enhanced Myosin Light Chain Promoter. *Molecular Imaging*, **2004**, 3, 153535002004041	3.7	
4	Delivery Systems for Gene Therapy. *Current Protocols in Human Genetics*, **2000**, 24, 13.0.1	3.2	
3	Gene Therapy for Heart Failure. *Fundamental and Clinical Cardiology*, **2006**, 573-588		
2	Kruppel-Like Factor 10 (KLF10)-Deficient Mice Have Marked Defects In EPC Differentiation, Function, and Angiogenesis. *Blood*, **2010**, 116, 4314-4314	2.2	
1	Human endothelial colony forming cells and mesenchymal progenitor cells form functional blood vessels and improve rat cardiac function after ischemia/reperfusion injury. *FASEB Journal*, **2013**, 27, 1194.9	0.9	