Gary Gerstenblith

List of Publications by Year
in descending order

61 papers	2,937 citations	218592 26 h-index	168321 53 g-index
61 all docs	61 docs citations	61 times ranked	3731 citing authors

#	Article	IF	Citations
1	Intracoronary Cardiosphere-Derived Cells After Myocardial Infarction. Journal of the American College of Cardiology, 2014, 63, 110-122.	1.2	468
2	ATP flux through creatine kinase in the normal, stressed, and failing human heart. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 808-813.	3.3	277
3	Altered myocardial high-energy phosphate metabolites in patients with dilated cardiomyopathy. American Heart Journal, 1991, 122, 795-801.	1.2	248
4	Altered Creatine Kinase Adenosine Triphosphate Kinetics in Failing Hypertrophied Human Myocardium. Circulation, 2006, 114, 1151-1158.	1.6	167
5	Obesity and Subtypes of Incident Cardiovascular Disease. Journal of the American Heart Association, 2016, 5, .	1.6	149
6	Creatine kinaseâ€“mediated improvement of function in failing mouse hearts provides causal evidence the failing heart is energy starved. Journal of Clinical Investigation, 2012, 122, 291-302.	3.9	117
7	Interventions for Frailty Among Older Adults With Cardiovascular Disease. Journal of the American College of Cardiology, 2022, 79, 482-503.	1.2	110
8	Noninvasive Visualization of Coronary Artery Endothelial Function in Healthy Subjects and in Patients With Coronary Artery Disease. Journal of the American College of Cardiology, 2010, 56, 1657-1665.	1.2	109
9	Fatigability, Exercise Intolerance, and Abnormal Skeletal Muscle Energetics in Heart Failure. Circulation: Heart Failure, 2017, 10, .	1.6	101
10	Metabolic Rates of ATP Transfer Through Creatine Kinase (CK Flux) Predict Clinical Heart Failure Events and Death. Science Translational Medicine, 2013, 5, 215re3.	5.8	93
11	Allopurinol Acutely Increases Adenosine Triphospate Energy Delivery in Failing Human Hearts. Journal of the American College of Cardiology, 2012, 59, 802-808.	1.2	92
12	Frailty and cardiovascular outcomes in the National Health and Aging Trends Study. European Heart Journal, 2021, 42, 3856-3865.	1.0	73
13	An increase in the myocardial PCr/ATP ratio in GLUT4 null mice. FASEB Journal, 2002, 16, 613-615.	0.2	50
14	Six-Year Changes in Physical Activity and the Risk of Incident Heart Failure. Circulation, 2018, 137, 2142-2151.	1.6	46
15	Percutaneous Coronary Intervention in Older Patients With ST-Segment Elevation Myocardial Infarction and Cardiogenic Shock. Journal of the American College of Cardiology, 2019, 73, 1890-1900.	1.2	45
16	Evolocumab, a PCSK9â€Monoclonal Antibody, Rapidly Reverses Coronary Artery Endothelial Dysfunction in People Living With HIV and People With Dyslipidemia. Journal of the American Heart Association, 2020, 9, e016263.	1.6	44
17	Effect of Evolocumab on Atherogenic Lipoproteins During the Peri- and Early Postinfarction Period. Circulation, 2020, 142, 419-421.	1.6	42
18	HIV Infection Itself May Not Be Associated With Subclinical Coronary Artery Disease Among African Americans Without Cardiovascular Symptoms. Journal of the American Heart Association, 2016, 5, e002529.	1.6	40

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19	Coronary Endothelial Dysfunction Is Associated With Elevated Serum PCSK9 Levels in People With HIV Independent of LowâEDensity Lipoprotein Cholesterol. Journal of the American Heart Association, 2018, 7, e009996.	1.6	40
20	Coronary vasomotor responses to isometric handgrip exercise are primarily mediated by nitric oxide: a noninvasive MRI test of coronary endothelial function. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H1343-H1350.	1.5	38
21	Coronary artery endothelial dysfunction is present in HIV-positive individuals without significant coronary artery disease. Aids, 2017, 31, 1281-1289.	1.0	32
22	Hemodynamic effects of unloading the old heart. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H1863-H1871.	1.5	31
23	Comparison of the Relation Between Left Ventricular Anatomy and QRS Duration in Patients With Cardiomyopathy With Versus Without Left Bundle Branch Block. American Journal of Cardiology, 2014, 113, 1717-1722.	0.7	29
24	Cardiac work is related to creatine kinase energy supply in human heart failure: a cardiovascular magnetic resonance spectroscopy study. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 81.	1.6	29
25	Tissue Magnesium Levels and the Arrhythmic Substrate in Humans. Journal of Cardiovascular Electrophysiology, 1997, 8, 980-986.	0.8	28
26	Stem cell impregnated nanofiber stent sleeve for on-stent production and intravascular delivery of paracrine factors. Biomaterials, 2015, 52, 318-326.	5.7	27
27	Simultaneous Noninvasive Assessment of Systemic and Coronary Endothelial Function. Circulation: Cardiovascular Imaging, 2016, 9, e003954.	1.3	25
28	Duration of Diabetes and IncidentÂHeartÂFailure. JACC: Heart Failure, 2021, 9, 594-603.	1.9	25
29	Reference Values of Myocardial Structure, Function, and Tissue Composition by Cardiac Magnetic Resonance in Healthy African-Americans at 3T and Their Relations to Serologic and Cardiovascular Risk Factors. American Journal of Cardiology, 2014, 114, 789-795.	0.7	23
30	Effect of Crizanlizumab, a P-Selectin Inhibitor, in COVID-19. JACC Basic To Translational Science, 2021, 6, 935-945.	1.9	23
31	Regional coronary endothelial dysfunction is related to the degree of local epicardial fat in people with HIV. Atherosclerosis, 2018, 278, 7-14.	0.4	22
32	Contribution of Risk Factors to the Development of Coronary Atherosclerosis as Confirmed via Coronary CT Angiography: A Longitudinal Radiomics-based Study. Radiology, 2021, 299, 97-106.	3.6	22
33	Coronary endothelial function is better in healthy premenopausal women than in healthy older postmenopausal women and men. PLoS ONE, 2017, 12, e0186448.	1.1	21
34	Myocardial steatosis and its association with obesity and regional ventricular dysfunction: Evaluated by magnetic resonance tagging and 1H spectroscopy in healthy African Americans. International Journal of Cardiology, 2014, 172, 381-387.	0.8	20
35	Physical Frailty Phenotype and the Development of Geriatric Syndromes in Older Adults with Coronary Heart Disease. American Journal of Medicine, 2021, 134, 662-671.e1.	0.6	19
36	Low High-Sensitivity Troponin I and Zero Coronary Artery Calcium Score Identifies Coronary CT Angiography Candidates in Whom Further Testing Could be Avoided. Academic Radiology, 2015, 22, 1060-1067.	1.3	18

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37	Local coronary wall eccentricity and endothelial function are closely related in patients with atherosclerotic coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 51.	1.6	18
38	Sarcopenia and health-related quality of life in older adults after transcatheter aortic valve replacement. American Heart Journal, 2020, 224, 171-181.	1.2	18
39	Weight History and Subclinical Myocardial Damage. Clinical Chemistry, 2018, 64, 201-209.	1.5	16
40	The role of Lipoprotein(a) in cardiovascular disease: Current concepts and future perspectives. Hellenic Journal of Cardiology, 2020, 61, 398-403.	0.4	15
41	The influence of febuxostat on coronary artery endothelial dysfunction in patients with coronary artery disease: A phase 4 randomized, placebo-controlled, double-blind, crossover trial. American Heart Journal, 2018, 197, 85-93.	1.2	13
42	Temporal Trends of Percutaneous Coronary Interventions in Older Adults With Acute Myocardial Infarction. Circulation: Cardiovascular Interventions, 2019, 12, e007812.	1.4	13
43	Response to Letter Regarding Article, â€œInfarct Tissue Heterogeneity by Magnetic Resonance Imaging Identifies Enhanced Cardiac Arrhythmia Susceptibility in Patients With Left Ventricular Dysfunctionâ€. Circulation, 2007, 116, .	1.6	12
44	Cocaine use may modify HIV/ART-associated myocardial steatosis and hepatic steatosis. Drug and Alcohol Dependence, 2017, 177, 84-92.	1.6	12
45	The Trajectory of Lipoprotein(a) During the Peri- and Early Postinfarction Period and the Impact of Proprotein Convertase Subtilisin/Kexin Type 9 Inhibition. American Journal of Cardiology, 2022, 171, 1-6.	0.7	11
46	A randomized, placebo-controlled, double-blinded clinical trial of colchicine to improve vascular health in people living with HIV. Aids, 2021, 35, 1041-1050.	1.0	10
47	Longitudinal uncoupling of the heart and arteries with aging in a community-dwelling population. GeroScience, 2021, 43, 551-561.	2.1	8
48	Obesity, Galectinâ€3, and Incident Heart Failure: The ARIC Study. Journal of the American Heart Association, 2022, 11, e023238.	1.6	8
49	Cocaine use may induce telomere shortening in individuals with HIV infection. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 84, 11-17.	2.5	7
50	Deep learningâ€“based atherosclerotic coronary plaque segmentation on coronary CT angiography. European Radiology, 2022, 32, 7217-7226.	2.3	7
51	Mitochondrial Creatine Kinase Attenuates Pathologic Remodeling in Heart Failure. Circulation Research, 2022, , CIRCRESAHA121319648.	2.0	6
52	Cardiovascular risk factors and illicit drug use may have a more profound effect on coronary atherosclerosis progression in people living with HIV. European Radiology, 2021, 31, 2756-2767.	2.3	4
53	Circulating levels of cardiac troponin T are associated with coronary noncalcified plaque burden in HIV-infected adults: a pilot study. International Journal of STD and AIDS, 2019, 30, 223-230.	0.5	3
54	Randomized Trial of Anti-inflammatory Medications and Coronary Endothelial Dysfunction in Patients With Stable Coronary Disease. Frontiers in Cardiovascular Medicine, 2021, 8, 728654.	1.1	3

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55	Myocardial ATP depletion detected noninvasively predicts sudden cardiac death risk in patients with heart failure. JCI Insight, 2022, 7, .	2.3	3
56	Temporal assessment of lesion morphology on radiological images beyond lesion volumesâ€"a proof-of-principle study. European Radiology, 2022, 32, 8748-8760.	2.3	3
57	Frailty Measurement Using Administrative Data in Older Patients With Cardiovascular Disease. JAMA Cardiology, 2020, 5, 967.	3.0	2
58	Letter by Makkar et al Regarding Article, â€œCell Therapy for Heart Failure: A Comprehensive Overview of Experimental and Clinical Studies, Current Challenges, and Future Directionsâ€• Circulation Research, 2014, 115, e32.	2.0	1
59	HIV indirectly accelerates coronary artery disease by promoting the effects of risk factors: longitudinal observational study. Scientific Reports, 2021, 11, 23110.	1.6	1
60	Response to Letter Regarding Article, â€œCombined Cardiac Magnetic Resonance Imaging and C-Reactive Protein Levels Identify a Cohort at Low Risk for Defibrillator Firings and Deathâ€• Circulation: Cardiovascular Imaging, 2012, 5, .	1.3	0
61	Abstract 13695: Paracrine-mediated Rejuvenation of Aged Mesenchymal Stem Cells Involves Broad Transcriptional Modulation of Angiogenic Factors. Circulation, 2020, 142, .	1.6	0