Richard H Karas

List of Publications by Year
in descending order

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51	4,505	236925	206112
papers	citations	25 h-index	48 g-index

51	51	51	5567
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular and Cellular Basis of Cardiovascular Gender Differences. Science, 2005, 308, 1583-1587.	12.6	970
2	Abnormal Vascular Function and Hypertension in Mice Deficient in Estrogen Receptor beta. Science, 2002, 295, 505-508.	12.6	451
3	Estrogen Receptor-Î± Mediates the Protective Effects of Estrogen Against Vascular Injury. Circulation Research, 2002, 90, 1087-1092.	4.5	341
4	Increased Expression of Estrogen Receptor-Î² mRNA in Male Blood Vessels After Vascular Injury. Circulation Research, 1998, 83, 224-229.	4.5	280
5	Striatin assembles a membrane signaling complex necessary for rapid, nongenomic activation of endothelial NO synthase by estrogen receptor Î±. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17126-17131.	7.1	247
6	Left Ventricular T-Cell Recruitment Contributes to the Pathogenesis of Heart Failure. Circulation: Heart Failure, 2015, 8, 776-787.	3.9	198
7	Unloading the Left Ventricle Before Reperfusion in Patients With Anterior ST-Segmentâ€“Elevation Myocardial Infarction. Circulation, 2019, 139, 337-346.	1.6	188
8	The Current State of Niacin in Cardiovascular Disease Prevention. Journal of the American College of Cardiology, 2013, 61, 440-446.	2.8	168
9	Estrogen Receptors Î± and Î² Mediate Distinct Pathways of Vascular Gene Expression, Including Genes Involved in Mitochondrial Electron Transport and Generation of Reactive Oxygen Species. Molecular Endocrinology, 2007, 21, 1281-1296.	3.7	156
10	Effects of Estrogen on the Vascular Injury Response in Estrogen Receptor Î±,Î² (Double) Knockout Mice. Circulation Research, 2001, 89, 534-539.	4.5	150
11	Left Ventricular Unloading BeforeÂReperfusion Promotes FunctionalÂRecovery After AcuteÂMyocardialÂInfarction. Journal of the American College of Cardiology, 2018, 72, 501-514.	2.8	138
12	Intercellular Adhesion Molecule 1 Regulates Left Ventricular Leukocyte Infiltration, Cardiac Remodeling, and Function in Pressure Overloadâ€“Induced Heart Failure. Journal of the American Heart Association, 2016, 5, e003126.	3.7	105
13	Statins and Interstitial Lung Disease. Chest, 2008, 134, 824-830.	0.8	88
14	Rapid Estrogen Receptor Signaling Is Essential for the Protective Effects of Estrogen Against Vascular Injury. Circulation, 2012, 126, 1993-2004.	1.6	88
15	Right Ventricular Dysfunction in Acute Myocardial Infarction Complicated by Cardiogenic Shock: A Hemodynamic Analysis of the Should We Emergently Revascularize Occluded Coronaries for Cardiogenic Shock (SHOCK) Trial and Registry. Journal of Cardiac Failure, 2018, 24, 148-156.	1.7	71
16	Cardiovascular and pharmacological implications of haem-deficient NO-unresponsive soluble guanylate cyclase knock-in mice. Nature Communications, 2015, 6, 8482.	12.8	64
17	Bone Morphogenetic Protein 9 Reduces Cardiac Fibrosis and Improves Cardiac Function in Heart Failure. Circulation, 2018, 138, 513-526.	1.6	63
18	Rapid progress for non-nuclear estrogen receptor signaling. Journal of Clinical Investigation, 2010, 120, 2277-2279.	8.2	63

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19	Rapid Estrogen Receptor Signaling Mediates Estrogen-Induced Inhibition of Vascular Smooth Muscle Cell Proliferation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1837-1843.	2.4	58
20	Biological Sex Modulates the Adrenal and Blood Pressure Responses to Angiotensin II. Hypertension, 2018, 71, 1083-1090.	2.7	58
21	Long-Term Safety and Efficacy of a Combination of Niacin Extended Release and Simvastatin in Patients with Dyslipidemia. American Journal of Cardiovascular Drugs, 2008, 8, 69-81.	2.2	55
22	Transvalvular Ventricular Unloading Before Reperfusion in AcuteÂMyocardialÂInfarction. Journal of the American College of Cardiology, 2020, 76, 684-699.	2.8	55
23	The time-to-integrate-to-nest test as an indicator of wellbeing in laboratory mice. Journal of the American Association for Laboratory Animal Science, 2014, 53, 24-8.	1.2	48
24	Endoglin selectively modulates transient receptor potential channel expression in left and right heart failure. Cardiovascular Pathology, 2016, 25, 478-482.	1.6	42
25	ER Alpha Rapid Signaling Is Required for Estrogen Induced Proliferation and Migration of Vascular Endothelial Cells. PLoS ONE, 2016, 11, e0152807.	2.5	30
26	Elevated augmentation index derived from peripheral arterial tonometry is associated with abnormal ventricularâ€“vascular coupling. Clinical Physiology and Functional Imaging, 2010, 30, 313-317.	1.2	29
27	Î³Î´T Cells Are Prevalent in the Proximal Aorta and Drive Nascent Atherosclerotic Lesion Progression and Neutrophilia in Hypercholesterolemic Mice. PLoS ONE, 2014, 9, e109416.	2.5	27
28	Mixed lineage kinase-3 prevents cardiac dysfunction and structural remodeling with pressure overload. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H145-H159.	3.2	24
29	Estrogen Receptor-Î± Non-Nuclear Signaling Confers Cardioprotection andÂIsÂEssential to cGMP-PDE5 InhibitionÂEfficacy. JACC Basic To Translational Science, 2020, 5, 282-295.	4.1	22
30	Membrane-Initiated Estrogen Receptor Signaling Mediates Metabolic Homeostasis via Central Activation of Protein Phosphatase 2A. Diabetes, 2018, 67, 1524-1537.	0.6	20
31	Conditional knockout of activin like kinase-1 (ALK-1) leads to heart failure without maladaptive remodeling. Heart and Vessels, 2017, 32, 628-636.	1.2	19
32	CRD-733, a Novel PDE9 (Phosphodiesterase 9) Inhibitor, Reverses Pressure Overloadâ€“Induced Heart Failure. Circulation: Heart Failure, 2021, 14, e007300.	3.9	18
33	Animal models of the cardiovascular effects of exogenous hormones. American Journal of Cardiology, 2002, 90, F22-F25.	1.6	17
34	Reduced activin receptor-like kinase 1 activity promotes cardiac fibrosis in heart failure. Cardiovascular Pathology, 2017, 31, 26-33.	1.6	16
35	Abdominal Positioning of the Next-Generation Intra-Aortic Fluid Entrainment Pump (Aortix) Improves Cardiac Output in a Swine Model of Heart Failure. Circulation: Heart Failure, 2018, 11, e005115.	3.9	16
36	Firstâ€inâ€human experience with occlusion of the superior vena cava to reduce cardiac filling pressures in congestive heart failure. Catheterization and Cardiovascular Interventions, 2019, 93, 1205-1210.	1.7	16

#	Article	IF	Citations
37	Intermittent Occlusion of the Superior Vena Cava to Improve Hemodynamics in Patients With Acutely Decompensated Heart Failure: The VENUS-HF Early Feasibility Study. Circulation: Heart Failure, 2022, 15, CIRCHEARTFAILURE121008934.	3.9	16
38	Unliganded estrogen receptor alpha regulates vascular cell function and gene expression. Molecular and Cellular Endocrinology, 2017, 442, 12-23.	3.2	13
39	Current Controversies Regarding the Cardiovascular Effects of Hormone Therapy. Clinical Obstetrics and Gynecology, 2004, 47, 489-499.	1.1	12
40	Bidirectional regulation of angiogenesis by phytoestrogens through estrogen receptor-mediated signaling networks. Chinese Journal of Natural Medicines, 2016, 14, 241-254.	1.3	12
41	Intermittent Occlusion of the Superior Vena Cava Reduces Cardiac Filling Pressures in Preclinical Models of Heart Failure. Journal of Cardiovascular Translational Research, 2020, 13, 151-157.	2.4	12
42	MicroRNA-Offset RNA Alters Gene Expression and Cell Proliferation. PLoS ONE, 2016, 11, e0156772.	2.5	11
43	The mitochondrial regulator PGC1Î± is induced by cGMPâ€“PKG signaling and mediates the protective effects of phosphodiesterase 5 inhibition in heart failure. FEBS Letters, 2021, 596, 17.	2.8	9
44	A new shield from the double-edged sword of reperfusion in STEMI. European Heart Journal, 2015, 36, 3058-3060.	2.2	8
45	Androgens Ameliorate Impaired Ischemia-Induced Neovascularization Due to Aging in Male Mice. Endocrinology, 2019, 160, 1137-1149.	2.8	8
46	Myocardial Injury Promotes Matrix Metalloproteinase-9 Activity in the Renal Cortex in Preclinical Models of Acute Myocardial Infarction. Journal of Cardiovascular Translational Research, 2021, , 1.	2.4	2
47	The role of cyclinâ€dependent kinase 6 in cardiac development and hypertrophy. FASEB Journal, 2013, 27, lb35.	0.5	2
48	Peripheral Augmentation Index is Associated With the Ambulatory Arterial Stiffness Index in Patients With Hypertension. Cardiology Research, 2011, 2, 218-223.	1.1	1
49	G Proteinâ€Activated Inward Rectifier Potassium Channel 4 is a Regulateable Protein; Its Role in Autonomic Neuropathy in Type I Diabetes. FASEB Journal, 2008, 22, 614.11.	0.5	0
50	Increased TGFb signaling in type I diabetic mice is associated with parasympathetic dysfunction of the heart. FASEB Journal, 2009, 23, 524.14.	0.5	0
51	Increased TGFÎ² Signaling in Hearts of Type I Diabetic Mice May Result in Diabetic Cardiac Autonomic Dysfunction. FASEB Journal, 2012, 26, 1057.8.	0.5	0