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	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
2	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
3	CRD-733, a Novel PDE9 (Phosphodiesterase 9) Inhibitor, Reverses Pressure Overloadâ€“Induced Heart Failure. Circulation: Heart Failure, 2021, 14, e007300.	3.9	18
4	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
5	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
6	Transvalvular Ventricular Unloading Before Reperfusion in AcuteÂMyocardialÂInfarction. Journal of the American College of Cardiology, 2020, 76, 684-699.	2.8	55
7	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
8	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
9	Androgens Ameliorate Impaired Ischemia-Induced Neovascularization Due to Aging in Male Mice. Endocrinology, 2019, 160, 1137-1149.	2.8	8
10	Unloading the Left Ventricle Before Reperfusion in Patients With Anterior ST-Segmentâ€“Elevation Myocardial Infarction. Circulation, 2019, 139, 337-346.	1.6	188
11	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
12	Bone Morphogenetic Protein 9 Reduces Cardiac Fibrosis and Improves Cardiac Function in Heart Failure. Circulation, 2018, 138, 513-526.	1.6	63
13	Biological Sex Modulates the Adrenal and Blood Pressure Responses to Angiotensin II. Hypertension, 2018, 71, 1083-1090.	2.7	58
14	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
15	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
16	Membrane-Initiated Estrogen Receptor Signaling Mediates Metabolic Homeostasis via Central Activation of Protein Phosphatase 2A. Diabetes, 2018, 67, 1524-1537.	0.6	20
17	Left Ventricular Unloading BeforeÂReperfusion Promotes FunctionalÂRecovery After AcuteÂMyocardialÂInfarction. Journal of the American College of Cardiology, 2018, 72, 501-514.	2.8	138
18	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

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19	Reduced activin receptor-like kinase 1 activity promotes cardiac fibrosis in heart failure. Cardiovascular Pathology, 2017, 31, 26-33.	1.6	16
20	Unliganded estrogen receptor alpha regulates vascular cell function and gene expression. Molecular and Cellular Endocrinology, 2017, 442, 12-23.	3.2	13
21	Bidirectional regulation of angiogenesis by phytoestrogens through estrogen receptor-mediated signaling networks. Chinese Journal of Natural Medicines, 2016, 14, 241-254.	1.3	12
22	Endoglin selectively modulates transient receptor potential channel expression in left and right heart failure. Cardiovascular Pathology, 2016, 25, 478-482.	1.6	42
23	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
24	ER Alpha Rapid Signaling Is Required for Estrogen Induced Proliferation and Migration of Vascular Endothelial Cells. PLoS ONE, 2016, 11, e0152807.	2.5	30
25	MicroRNA-Offset RNA Alters Gene Expression and Cell Proliferation. PLoS ONE, 2016, 11, e0156772.	2.5	11
26	Left Ventricular T-Cell Recruitment Contributes to the Pathogenesis of Heart Failure. Circulation: Heart Failure, 2015, 8, 776-787.	3.9	198
27	Cardiovascular and pharmacological implications of haem-deficient NO-unresponsive soluble guanylate cyclase knock-in mice. Nature Communications, 2015, 6, 8482.	12.8	64
28	A new shield from the double-edged sword of reperfusion in STEMI. European Heart Journal, 2015, 36, 3058-3060.	2.2	8
29	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
30	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
31	The Current State of Niacin in Cardiovascular Disease Prevention. Journal of the American College of Cardiology, 2013, 61, 440-446.	2.8	168
32	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
33	The role of cyclinâ€dependent kinase 6 in cardiac development and hypertrophy. FASEB Journal, 2013, 27, lb35.	0.5	2
34	Rapid Estrogen Receptor Signaling Is Essential for the Protective Effects of Estrogen Against Vascular Injury. Circulation, 2012, 126, 1993-2004.	1.6	88
35	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
36	Peripheral Augmentation Index is Associated With the Ambulatory Arterial Stiffness Index in Patients With Hypertension. Cardiology Research, 2011, 2, 218-223.	1.1	1

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37	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
38	Rapid progress for non-nuclear estrogen receptor signaling. Journal of Clinical Investigation, 2010, 120, 2277-2279.	8.2	63
39	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
40	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
41	Statins and Interstitial Lung Disease. Chest, 2008, 134, 824-830.	0.8	88
42	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
43	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
44	Molecular and Cellular Basis of Cardiovascular Gender Differences. Science, 2005, 308, 1583-1587.	12.6	970
45	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
46	Current Controversies Regarding the Cardiovascular Effects of Hormone Therapy. Clinical Obstetrics and Gynecology, 2004, 47, 489-499.	1.1	12
47	Estrogen Receptor-Î± Mediates the Protective Effects of Estrogen Against Vascular Injury. Circulation Research, 2002, 90, 1087-1092.	4.5	341
48	Abnormal Vascular Function and Hypertension in Mice Deficient in Estrogen Receptor beta. Science, 2002, 295, 505-508.	12.6	451
49	Animal models of the cardiovascular effects of exogenous hormones. American Journal of Cardiology, 2002, 90, F22-F25.	1.6	17
50	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
51	Increased Expression of Estrogen Receptor-Î² mRNA in Male Blood Vessels After Vascular Injury. Circulation Research, 1998, 83, 224-229.	4.5	280