

Eiki Takimoto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

4,167
citations

30
h-index

64
g-index

69
ext. papers

4,789
ext. citations

8.3
avg, IF

5.08
L-index

#	Paper	IF	Citations
65	Chronic inhibition of cyclic GMP phosphodiesterase 5A prevents and reverses cardiac hypertrophy. <i>Nature Medicine</i> , 2005 , 11, 214-22	50.5	728
64	Role of oxidative stress in cardiac hypertrophy and remodeling. <i>Hypertension</i> , 2007 , 49, 241-8	8.5	544
63	Oxidant stress from nitric oxide synthase-3 uncoupling stimulates cardiac pathologic remodeling from chronic pressure load. <i>Journal of Clinical Investigation</i> , 2005 , 115, 1221-31	15.9	345
62	Phosphodiesterase 9A controls nitric-oxide-independent cGMP and hypertrophic heart disease. <i>Nature</i> , 2015 , 519, 472-6	50.4	208
61	cGMP catabolism by phosphodiesterase 5A regulates cardiac adrenergic stimulation by NOS3-dependent mechanism. <i>Circulation Research</i> , 2005 , 96, 100-9	15.7	170
60	Regulator of G protein signaling 2 mediates cardiac compensation to pressure overload and antihypertrophic effects of PDE5 inhibition in mice. <i>Journal of Clinical Investigation</i> , 2009 , 119, 408-20	15.9	147
59	Cyclic GMP/PKG-dependent inhibition of TRPC6 channel activity and expression negatively regulates cardiomyocyte NFAT activation Novel mechanism of cardiac stress modulation by PDE5 inhibition. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 713-24	5.8	134
58	Compartmentalization of cardiac beta-adrenergic inotropy modulation by phosphodiesterase type 5. <i>Circulation</i> , 2007 , 115, 2159-67	16.7	133
57	Frequency- and afterload-dependent cardiac modulation in vivo by troponin I with constitutively active protein kinase A phosphorylation sites. <i>Circulation Research</i> , 2004 , 94, 496-504	15.7	125
56	Sildenafil stops progressive chamber, cellular, and molecular remodeling and improves calcium handling and function in hearts with pre-existing advanced hypertrophy caused by pressure overload. <i>Journal of the American College of Cardiology</i> , 2009 , 53, 207-15	15.1	124
55	Inhibiting mitochondrial Na ⁺ /Ca ²⁺ exchange prevents sudden death in a Guinea pig model of heart failure. <i>Circulation Research</i> , 2014 , 115, 44-54	15.7	120
54	Dysbiosis and compositional alterations with aging in the gut microbiota of patients with heart failure. <i>PLoS ONE</i> , 2017 , 12, e0174099	3.7	115
53	Cardiomyocyte gene programs encoding morphological and functional signatures in cardiac hypertrophy and failure. <i>Nature Communications</i> , 2018 , 9, 4435	17.4	102
52	Cyclic GMP-dependent signaling in cardiac myocytes. <i>Circulation Journal</i> , 2012 , 76, 1819-25	2.9	82
51	PDE5A suppression of acute beta-adrenergic activation requires modulation of myocyte beta-3 signaling coupled to PKG-mediated troponin I phosphorylation. <i>Basic Research in Cardiology</i> , 2010 , 105, 337-47	11.8	80
50	Expression, activity, and pro-hypertrophic effects of PDE5A in cardiac myocytes. <i>Cellular Signalling</i> , 2008 , 20, 2231-6	4.9	74
49	Regulation of Mitochondrial Dynamics by Dynamin-Related Protein-1 in Acute Cardiorenal Syndrome. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 2378-87	12.7	67

48	Myocardial remodeling is controlled by myocyte-targeted gene regulation of phosphodiesterase type 5. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 2021-30	15.1	57
47	Genetic basis of cardiomyopathy and the genotypes involved in prognosis and left ventricular reverse remodeling. <i>Scientific Reports</i> , 2018 , 8, 1998	4.9	56
46	Pressure-overload-induced subcellular relocalization/oxidation of soluble guanylyl cyclase in the heart modulates enzyme stimulation. <i>Circulation Research</i> , 2012 , 110, 295-303	15.7	55
45	Protein kinase g iñhibits pressure overload-induced cardiac remodeling and is required for the cardioprotective effect of sildenafil in vivo. <i>Journal of the American Heart Association</i> , 2012 , 1, e003731	6	54
44	Galphas-biased beta2-adrenergic receptor signaling from restoring synchronous contraction in the failing heart. <i>Science Translational Medicine</i> , 2011 , 3, 100ra88	17.5	53
43	Hypoxia-induced mitogenic factor (FIZZ1/RELMD)induces endothelial cell apoptosis and subsequent interleukin-4-dependent pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 306, L1090-103	5.8	49
42	PDE5 inhibitor efficacy is estrogen dependent in female heart disease. <i>Journal of Clinical Investigation</i> , 2014 , 124, 2464-71	15.9	49
41	Sustained soluble guanylate cyclase stimulation offsets nitric-oxide synthase inhibition to restore acute cardiac modulation by sildenafil. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 326, 380-7	4.7	48
40	Phosphodiesterase 5 inhibition blocks pressure overload-induced cardiac hypertrophy independent of the calcineurin pathway. <i>Cardiovascular Research</i> , 2009 , 81, 301-9	9.9	40
39	Pressure-overload magnitude-dependence of the anti-hypertrophic efficacy of PDE5A inhibition. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 560-7	5.8	39
38	Hypoxia-Inducible Factor 1ñs a Critical Downstream Mediator for Hypoxia-Induced Mitogenic Factor (FIZZ1/RELMD)Induced Pulmonary Hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 134-44	9.4	37
37	RGS2 is a primary terminator of ßadrenergic receptor-mediated G(i) signaling. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 1000-7	5.8	32
36	Soluble guanylate cyclase is required for systemic vasodilation but not positive inotropy induced by nitroxyl in the mouse. <i>Hypertension</i> , 2015 , 65, 385-92	8.5	31
35	Pathological cardiac hypertrophy alters intracellular targeting of phosphodiesterase type 5 from nitric oxide synthase-3 to natriuretic peptide signaling. <i>Circulation</i> , 2012 , 126, 942-51	16.7	29
34	Modulation of cardiac fibrosis by Kröpel-like factor 6 through transcriptional control of thrombospondin 4 in cardiomyocytes. <i>Cardiovascular Research</i> , 2015 , 107, 420-30	9.9	27
33	Molecular Screen Identifies Cardiac Myosin-Binding Protein-C as a Protein Kinase G-ñSubstrate. <i>Circulation: Heart Failure</i> , 2015 , 8, 1115-22	7.6	25
32	High-throughput single-molecule RNA imaging analysis reveals heterogeneous responses of cardiomyocytes to hemodynamic overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 128, 77-89	5.8	18
31	Regulatory Actions of Estrogen Receptor Signaling in the Cardiovascular System. <i>Frontiers in Endocrinology</i> , 2019 , 10, 909	5.7	17

30	Mutation of the protein kinase I alpha leucine zipper domain produces hypertension and progressive left ventricular hypertrophy: a novel mouse model of age-dependent hypertensive heart disease. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 1351-5	6.4	14
29	Cardiac dopamine D1 receptor triggers ventricular arrhythmia in chronic heart failure. <i>Nature Communications</i> , 2020 , 11, 4364	17.4	14
28	Membrane-Initiated Estrogen Receptor Signaling Mediates Metabolic Homeostasis via Central Activation of Protein Phosphatase 2A. <i>Diabetes</i> , 2018 , 67, 1524-1537	0.9	12
27	Estrogen Receptor-Non-Nuclear Signaling Confers Cardioprotection and Is Essential to cGMP-PDE5 Inhibition Efficacy. <i>JACC Basic To Translational Science</i> , 2020 , 5, 282-295	8.7	11
26	Effectiveness of balloon pulmonary angioplasty in patients with inoperable chronic thromboembolic pulmonary hypertension despite having lesion types suitable for surgical treatment. <i>Journal of Cardiology</i> , 2020 , 75, 182-188	3	10
25	Sildenafil ameliorates right ventricular early molecular derangement during left ventricular pressure overload. <i>PLoS ONE</i> , 2018 , 13, e0195528	3.7	9
24	Cardiac troponin I Pro82Ser variant induces diastolic dysfunction, blunts β adrenergic response, and impairs myofilament cooperativity. <i>Journal of Applied Physiology</i> , 2015 , 118, 212-23	3.7	8
23	Quantitative Measurement of GPCR Endocytosis via Pulse-Chase Covalent Labeling. <i>PLoS ONE</i> , 2015 , 10, e0129394	3.7	8
22	Diagnosing Heart Failure from Chest X-Ray Images Using Deep Learning. <i>International Heart Journal</i> , 2020 , 61, 781-786	1.8	8
21	Omega-3 fatty acid prevents the development of heart failure by changing fatty acid composition in the heart. <i>Scientific Reports</i> , 2020 , 10, 15553	4.9	8
20	Analysis of Oxygenation in Chronic Thromboembolic Pulmonary Hypertension Using Dead Space Ratio and Intrapulmonary Shunt Ratio. <i>International Heart Journal</i> , 2019 , 60, 1137-1141	1.8	6
19	Balloon pulmonary angioplasty improves quality of life in Japanese patients with chronic thromboembolic pulmonary hypertension. <i>Journal of Cardiology</i> , 2020 , 76, 205-210	3	5
18	Monitoring β arrestin recruitment via β lactamase enzyme fragment complementation: purification of peptide E as a low-affinity ligand for mammalian bombesin receptors. <i>PLoS ONE</i> , 2015 , 10, e0127445	3.7	5
17	The mitochondrial regulator PGC1 α is induced by cGMP-PKG signaling and mediates the protective effects of phosphodiesterase 5 inhibition in heart failure. <i>FEBS Letters</i> , 2021 , 596, 17	3.8	4
16	Prevalence and characteristics of mitral valve prolapse in military young adults in Taiwan of the CHIEF Heart Study. <i>Scientific Reports</i> , 2021 , 11, 2719	4.9	4
15	Successful bridge to recovery in fulminant myocarditis using a biventricular assist device: a case report. <i>Journal of Medical Case Reports</i> , 2017 , 11, 295	1.2	3
14	Controlling myocyte cGMP: phosphodiesterase 1 joins the fray. <i>Circulation Research</i> , 2009 , 105, 931-3	15.7	3
13	Clinically Worsening Chronic Thromboembolic Pulmonary Hypertension by Riociguat After Balloon Pulmonary Angioplasty. <i>International Heart Journal</i> , 2018 , 59, 1186-1188	1.8	3

12	Sex Differences and Regulatory Actions of Estrogen in Cardiovascular System. <i>Frontiers in Physiology</i> , 2021 , 12, 738218	4.6	3
11	Emergency percutaneous coronary intervention for left main trunk thrombus following orthotopic heart transplantation. <i>ESC Heart Failure</i> , 2019 , 6, 575-578	3.7	2
10	Murine Model of Pulmonary Artery Overflow Vasculopathy Revealed Macrophage Accumulation in the Lung. <i>International Heart Journal</i> , 2019 , 60, 451-456	1.8	2
9	Sildenafil's protective effect against cardiac hypertrophy. <i>Expert Review of Clinical Pharmacology</i> , 2009 , 2, 323-7	3.8	2
8	Association of Liver Transaminase Levels and Long-Term Blood Pressure Variability in Military Young Males: The CHIEF Study. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	2
7	Cyclic GMP and PKG Signaling in Heart Failure.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 792798	5.6	2
6	Usefulness of central venous saturation as a predictor of thiamine deficiency in critically ill patients: a case report. <i>Journal of Intensive Care</i> , 2017 , 5, 61	7	1
5	Novel Balloon Pulmonary Angioplasty Technique for Chronic Thromboembolic Pulmonary Hypertension. <i>International Heart Journal</i> , 2020 , 61, 999-1004	1.8	0
4	Sex Differences in the Mortality Risk of Elderly Patients with Systolic Heart Failure in Taiwan. <i>Acta Cardiologica Sinica</i> , 2020 , 36, 611-619	1.1	0
3	Preexisting heart failure with reduced ejection fraction attenuates renal fibrosis after ischemia reperfusion via sympathetic activation. <i>Scientific Reports</i> , 2021 , 11, 15091	4.9	0
2	Factors associated with left ventricular reverse remodelling after percutaneous coronary intervention in patients with left ventricular systolic dysfunction. <i>Scientific Reports</i> , 2021 , 11, 239	4.9	0
1	Monoamine oxidase B gene deletion prevents cardiac pump dysfunction in mice with pressure overload. <i>FASEB Journal</i> , 2010 , 24, 573.7	0.9	