

Peter P Rainer

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.

68

papers

1,400

citations

23

h-index

36

g-index

81

ext. papers

1,921

ext. citations

8.4

avg, IF

4.22

L-index

#	Paper	IF	Citations
68	Phosphodiesterase 9A controls nitric-oxide-independent cGMP and hypertrophic heart disease. <i>Nature</i> , 2015 , 519, 472-6	50.4	208
67	Combined TRPC3 and TRPC6 blockade by selective small-molecule or genetic deletion inhibits pathological cardiac hypertrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1551-6	11.5	125
66	Elevated Cardiac Troponin T in Patients With Skeletal Myopathies. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 1540-1549	15.1	87
65	Cardiomyocyte-specific transforming growth factor β suppression blocks neutrophil infiltration, augments multiple cytoprotective cascades, and reduces early mortality after myocardial infarction. <i>Circulation Research</i> , 2014 , 114, 1246-57	15.7	73
64	Hyperactive adverse mechanical stress responses in dystrophic heart are coupled to transient receptor potential canonical 6 and blocked by cGMP-protein kinase G modulation. <i>Circulation Research</i> , 2014 , 114, 823-32	15.7	67
63	HNO enhances SERCA2a activity and cardiomyocyte function by promoting redox-dependent phospholamban oligomerization. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1185-97	8.4	58
62	Bile acids induce arrhythmias in human atrial myocardium--implications for altered serum bile acid composition in patients with atrial fibrillation. <i>Heart</i> , 2013 , 99, 1685-92	5.1	54
61	Glucose-transporter-mediated positive inotropic effects in human myocardium of diabetic and nondiabetic patients. <i>Metabolism: Clinical and Experimental</i> , 2010 , 59, 1020-8	12.7	38
60	Nicotinamide for the treatment of heart failure with preserved ejection fraction. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	38
59	HDAC inhibition improves cardiopulmonary function in a feline model of diastolic dysfunction. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	37
58	Benchmarking of T cell receptor repertoire profiling methods reveals large systematic biases. <i>Nature Biotechnology</i> , 2021 , 39, 236-245	44.5	35
57	Functional effects of glucose transporters in human ventricular myocardium. <i>European Journal of Heart Failure</i> , 2010 , 12, 106-13	12.3	34
56	Sunitinib causes dose-dependent negative functional effects on myocardium and cardiomyocytes. <i>BJU International</i> , 2012 , 110, 1455-62	5.6	33
55	Cardiac fibrosis in human transplanted hearts is mainly driven by cells of intracardiac origin. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1008-16	15.1	33
54	Nonmyocyte ERK1/2 signaling contributes to load-induced cardiomyopathy in Marfan mice. <i>JCI Insight</i> , 2017 , 2,	9.9	33
53	Common mechanistic pathways in cancer and heart failure. A scientific roadmap on behalf of the Translational Research Committee of the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). <i>European Journal of Heart Failure</i> , 2020 , 22, 2272-2289	12.3	33
52	Old dog, new tricks: novel cardiac targets and stress regulation by protein kinase G. <i>Cardiovascular Research</i> , 2016 , 111, 154-62	9.9	32

51	Bidirectional cross-regulation between ErbB2 and Adrenergic signalling pathways. <i>Cardiovascular Research</i> , 2016 , 109, 358-73	9.9	31
50	Empagliflozin protects heart from inflammation and energy depletion via AMPK activation. <i>Pharmacological Research</i> , 2020 , 158, 104870	10.2	31
49	Precardiac deletion of Numb and Numbl like reveals renewal of cardiac progenitors. <i>ELife</i> , 2014 , 3, e021648	8.9	29
48	Dipeptidyl peptidase-4 independent cardiac dysfunction links saxagliptin to heart failure. <i>Biochemical Pharmacology</i> , 2017 , 145, 64-80	6	25
47	Dual Labeling Biotin Switch Assay to Reduce Bias Derived From Different Cysteine Subpopulations: A Method to Maximize S-Nitrosylation Detection. <i>Circulation Research</i> , 2015 , 117, 846-57	15.7	23
46	Desmin Phosphorylation Triggers Preamyloid Oligomers Formation and Myocyte Dysfunction in Acquired Heart Failure. <i>Circulation Research</i> , 2018 , 122, e75-e83	15.7	23
45	Targeted Next-Generation Sequencing Reveals Novel TTN Mutations Causing Recessive Distal Titinopathy. <i>Molecular Neurobiology</i> , 2017 , 54, 7212-7223	6.2	21
44	Profilin modulates sarcomeric organization and mediates cardiomyocyte hypertrophy. <i>Cardiovascular Research</i> , 2016 , 110, 238-48	9.9	19
43	The Anti-Cancer Multikinase Inhibitor Sorafenib Impairs Cardiac Contractility by Reducing Phospholamban Phosphorylation and Sarcoplasmic Calcium Transients. <i>Scientific Reports</i> , 2018 , 8, 5295	4.9	15
42	Impaired aspirin-mediated platelet function inhibition in resuscitated patients with acute myocardial infarction treated with therapeutic hypothermia: a prospective, observational, non-randomized single-centre study. <i>Annals of Intensive Care</i> , 2018 , 8, 28	8.9	14
41	CHIP phosphorylation by protein kinase G enhances protein quality control and attenuates cardiac ischemic injury. <i>Nature Communications</i> , 2020 , 11, 5237	17.4	14
40	Diagnosis and treatment of cardiac amyloidosis: an interdisciplinary consensus statement. <i>Wiener Klinische Wochenschrift</i> , 2020 , 132, 742-761	2.3	13
39	Saxagliptin but Not Sitagliptin Inhibits CaMKII and PKC via DPP9 Inhibition in Cardiomyocytes. <i>Frontiers in Physiology</i> , 2018 , 9, 1622	4.6	11
38	Novel role of extracellular matrix protein 1 (ECM1) in cardiac aging and myocardial infarction. <i>PLoS ONE</i> , 2019 , 14, e0212230	3.7	10
37	ST2 predicts survival in patients undergoing transcatheter aortic valve implantation. <i>International Journal of Cardiology</i> , 2017 , 244, 87-92	3.2	9
36	Unfolding Cardiac Amyloidosis -From Pathophysiology to Cure. <i>Current Medicinal Chemistry</i> , 2019 , 26, 2865-2878	4.3	9
35	A swinging pacemaker lead promoting endocarditis and severe tricuspid regurgitation. <i>Journal of the American College of Cardiology</i> , 2012 , 59, e45	15.1	7
34	A novel LMNA nonsense mutation causes two distinct phenotypes of cardiomyopathy with high risk of sudden cardiac death in a large five-generation family. <i>Europace</i> , 2018 , 20, 2003-2013	3.9	7

33	Dependence of β -adrenergic signaling on the adipokine leptin in cardiac myocytes. <i>International Journal of Obesity</i> , 2012 , 36, 876-9	5.5	6
32	The role of stretch, tachycardia and sodium-calcium exchanger in induction of early cardiac remodelling. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 8732-8743	5.6	5
31	Long-Term Prognostic Value of High-Sensitivity Troponin T Added to N-Terminal Pro Brain Natriuretic Peptide Plasma Levels Before Valve Replacement for Severe Aortic Stenosis. <i>American Journal of Cardiology</i> , 2019 , 124, 1932-1939	3	5
30	Myeloperoxidase-Derived 2-Chlorohexadecanal Is Generated in Mouse Heart during Endotoxemia and Induces Modification of Distinct Cardiomyocyte Protein Subsets In Vitro. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
29	Heart rate-reducing therapy with add-on ivabradine and bisoprolol before coronary computed tomographic angiography in a fast-track ambulatory setting. <i>Journal of International Medical Research</i> , 2018 , 46, 2249-2257	1.4	4
28	Conserved cysteines in titin sustain the mechanical function of cardiomyocytes		4
27	Cardiac involvement in a cross-sectional cohort of myotonic dystrophies and other skeletal myopathies. <i>ESC Heart Failure</i> , 2020 , 7, 1900-1908	3.7	4
26	Loss of autophagy protein ATG5 impairs cardiac capacity in mice and humans through diminishing mitochondrial abundance and disrupting Ca ²⁺ cycling. <i>Cardiovascular Research</i> , 2021 ,	9.9	4
25	Heart failure in COVID-19: the multicentre, multinational PCHF-COVICAV registry. <i>ESC Heart Failure</i> , 2021 ,	3.7	4
24	Case report: Hyperbaric oxygen in the treatment of puff adder (<i>Bitis arietans</i>) bite. <i>Undersea and Hyperbaric Medicine</i> , 2010 , 37, 395-8	0.9	4
23	A New Murine Model of Chronic Kidney Disease-Mineral and Bone Disorder. <i>International Journal of Endocrinology</i> , 2017 , 2017, 1659071	2.7	3
22	Blood levels of microRNAs associated with ischemic heart disease differ between Austrians and Japanese: a pilot study. <i>Scientific Reports</i> , 2020 , 10, 13628	4.9	3
21	The Fractalkine Receptor CXCR1 Links Lymphocyte Kinetics in CMV-Seropositive Patients and Acute Myocardial Infarction With Adverse Left Ventricular Remodeling. <i>Frontiers in Immunology</i> , 2021 , 12, 605857	8.4	3
20	Istaroxime, a potential anticancer drug in prostate cancer, exerts beneficial functional effects in healthy and diseased human myocardium. <i>Oncotarget</i> , 2017 , 8, 49264-49274	3.3	2
19	Mass Spectrometry-Based Redox and Protein Profiling of Failing Human Hearts. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
18	The Innate Immune cGAS-STING-Pathway in Cardiovascular Diseases - A Mini Review. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 715903	5.4	2
17	Myofilament glycation in diabetes reduces contractility by inhibiting tropomyosin movement, is rescued by cMyBPC domains. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 162, 1-9	5.8	2
16	Typical STEMI: or not? Embolic left anterior descending artery occlusion, fulminant pulmonary embolism, and in-transit thrombus in a patent foramen ovale. <i>European Heart Journal</i> , 2016 , 37, 3114	9.5	1

15	Impact of cardiovascular risk stratification strategies in kidney transplantation over time. <i>Nephrology Dialysis Transplantation</i> , 2020 , 35, 1810-1818	4.3	1
14	Advanced isolated light chain amyloid cardiomyopathy with negative immunofixation and normal free light chain ratio. <i>ESC Heart Failure</i> , 2021 , 8, 3397-3402	3.7	1
13	Cardiac Magnetic Resonance Imaging Right Ventricular Longitudinal Strain Predicts Mortality in Patients Undergoing TAVI. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 644500	5.4	1
12	Machine Learning Based Risk Prediction for Major Adverse Cardiovascular Events. <i>Studies in Health Technology and Informatics</i> , 2021 , 279, 136-143	0.5	1
11	Reply to: More data about cardiac and neurologic findings would be useful. <i>ESC Heart Failure</i> , 2021 , 8, 1729-1730	3.7	1
10	Cardio-oncology in Austria: cardiotoxicity and surveillance of anti-cancer therapies : Position paper of the Heart Failure Working Group of the Austrian Society of Cardiology.. <i>Wiener Klinische Wochenschrift</i> , 2022 , 1	2.3	1
9	Small molecule STING inhibition improves myocardial infarction remodeling.. <i>Life Sciences</i> , 2021 , 291, 120263	6.8	0
8	The pulse of fibroblasts: circadian rhythm in pulmonary fibrosis development. <i>Cardiovascular Research</i> , 2020 , 116, e134-e135	9.9	0
7	Basal oxidation of conserved cysteines modulates cardiac titin stiffness and dynamics.. <i>Redox Biology</i> , 2022 , 52, 102306	11.3	0
6	Effects of Short Term Adiponectin Receptor Agonism on Cardiac Function and Energetics in Diabetic db/db Mice. <i>Journal of Lipid and Atherosclerosis</i> , 2022 , 11, 161	3	0
5	Response to letter from Villa-Abrille et al. <i>Circulation Research</i> , 2015 , 116, e12	15.7	
4	Dataset on the prognostic value of cardiac biomarkers used in clinical routine in patients with severe aortic stenosis undergoing valve replacement. <i>Data in Brief</i> , 2020 , 29, 105111	1.2	
3	Reply: Elevated Cardiac Troponin T in Skeletal Myopathies: Skeletal TnT Cross-Reactivity and/or Cardiac TnT Expression?. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 349-350	15.1	
2	Myocardial GLP-1 Receptor Activation in the Presence of Glucose: Strong Partners. <i>International Journal of Peptide Research and Therapeutics</i> , 2019 , 25, 605-612	2.1	
1	Development of an Architecture to Implement Machine Learning Based Risk Prediction in Clinical Routine: A Service-Oriented Approach.. <i>Studies in Health Technology and Informatics</i> , 2022 , 293, 262-269 ^{0.5}		