

Enzo R Porrello

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.

67
papers

6,019
citations

29
h-index

77
g-index

79
ext. papers

7,507
ext. citations

9.7
avg, IF

5.66
L-index

#	Paper	IF	Citations
67	Transient regenerative potential of the neonatal mouse heart. <i>Science</i> , 2011 , 331, 1078-80	33.3	1603
66	Hippo pathway effector Yap promotes cardiac regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13839-44	11.5	575
65	Regulation of neonatal and adult mammalian heart regeneration by the miR-15 family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 187-92	11.5	513
64	Macrophages are required for neonatal heart regeneration. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1382-92	15.9	458
63	Meis1 regulates postnatal cardiomyocyte cell cycle arrest. <i>Nature</i> , 2013 , 497, 249-253	50.4	364
62	MiR-15 family regulates postnatal mitotic arrest of cardiomyocytes. <i>Circulation Research</i> , 2011 , 109, 670-5	15.7	335
61	Functional screening in human cardiac organoids reveals a metabolic mechanism for cardiomyocyte cell cycle arrest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8372-E8381	11.5	239
60	Multicellular Transcriptional Analysis of Mammalian Heart Regeneration. <i>Circulation</i> , 2017 , 136, 1123-1130	13.7	145
59	A neonatal blueprint for cardiac regeneration. <i>Stem Cell Research</i> , 2014 , 13, 556-70	1.6	123
58	Drug Screening in Human PSC-Cardiac Organoids Identifies Pro-proliferative Compounds Acting via the Mevalonate Pathway. <i>Cell Stem Cell</i> , 2019 , 24, 895-907.e6	18	120
57	Surgical models for cardiac regeneration in neonatal mice. <i>Nature Protocols</i> , 2014 , 9, 305-11	18.8	99
56	Expression, regulation and putative nutrient-sensing function of taste GPCRs in the heart. <i>PLoS ONE</i> , 2013 , 8, e64579	3.7	92
55	Angiotensin II type 2 receptor antagonizes angiotensin II type 1 receptor-mediated cardiomyocyte autophagy. <i>Hypertension</i> , 2009 , 53, 1032-40	8.5	86
54	Development of a human cardiac organoid injury model reveals innate regenerative potential. <i>Development (Cambridge)</i> , 2017 , 144, 1118-1127	6.6	84
53	The angiotensin II type 2 (AT2) receptor: an enigmatic seven transmembrane receptor. <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 958-72	2.8	83
52	microRNAs in cardiac development and regeneration. <i>Clinical Science</i> , 2013 , 125, 151-66	6.5	76
51	Evolution, comparative biology and ontogeny of vertebrate heart regeneration. <i>Npj Regenerative Medicine</i> , 2016 , 1, 16012	15.8	68

50	Therapeutic silencing of miR-652 restores heart function and attenuates adverse remodeling in a setting of established pathological hypertrophy. <i>FASEB Journal</i> , 2014 , 28, 5097-110	0.9	61
49	Neutrophil-Derived S100A8/A9 Amplify Granulopoiesis After Myocardial Infarction. <i>Circulation</i> , 2020 , 141, 1080-1094	16.7	60
48	Heteromerization of angiotensin receptors changes trafficking and arrestin recruitment profiles. <i>Cellular Signalling</i> , 2011 , 23, 1767-76	4.9	51
47	Dynamic changes in the cardiac methylome during postnatal development. <i>FASEB Journal</i> , 2015 , 29, 1329-43	0.9	47
46	The hypoxic epicardial and subepicardial microenvironment. <i>Journal of Cardiovascular Translational Research</i> , 2012 , 5, 654-65	3.3	46
45	NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network. <i>Nature Communications</i> , 2018 , 9, 1373	17.4	45
44	BET inhibition blocks inflammation-induced cardiac dysfunction and SARS-CoV-2 infection. <i>Cell</i> , 2021 , 184, 2167-2182.e22	56.2	43
43	Induction of Human iPSC-Derived Cardiomyocyte Proliferation Revealed by Combinatorial Screening in High Density Microbioreactor Arrays. <i>Scientific Reports</i> , 2016 , 6, 24637	4.9	41
42	Early origins of cardiac hypertrophy: does cardiomyocyte attrition programme for pathological catch-up growth of the heart?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008 , 35, 1358-64	4	41
41	Cardiomyocyte autophagy is regulated by angiotensin II type 1 and type 2 receptors. <i>Autophagy</i> , 2009 , 5, 1215-6	10.2	40
40	Maternal vitamin D deficiency leads to cardiac hypertrophy in rat offspring. <i>Reproductive Sciences</i> , 2010 , 17, 168-76	3	34
39	The intrinsic resistance of female hearts to an ischemic insult is abrogated in primary cardiac hypertrophy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1514-22	5.2	29
38	Epicardial Adipose Tissue Accumulation Confers Atrial Conduction Abnormality. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 1197-1211	15.1	29
37	Heritable pathologic cardiac hypertrophy in adulthood is preceded by neonatal cardiac growth restriction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 296, R672-80	3.2	27
36	Vegfc/d-dependent regulation of the lymphatic vasculature during cardiac regeneration is influenced by injury context. <i>Npj Regenerative Medicine</i> , 2019 , 4, 18	15.8	23
35	Regulation of angiotensinogen by angiotensin II in mouse primary astrocyte cultures. <i>Journal of Neurochemistry</i> , 2011 , 119, 18-26	6	22
34	Concise review: new frontiers in microRNA-based tissue regeneration. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 969-76	6.9	19
33	Cardiac gene expression data and in silico analysis provide novel insights into human and mouse taste receptor gene regulation. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015 , 388, 1009-27	3.4	19

32	Building a new heart from old parts: stem cell turnover in the aging heart. <i>Circulation Research</i> , 2010 , 107, 1292-4	15.7	19
31	Development of a human skeletal micro muscle platform with pacing capabilities. <i>Biomaterials</i> , 2019 , 198, 217-227	15.6	19
30	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscle remodeling. <i>PLoS Pathogens</i> , 2020 , 16, e1008651	7.6	18
29	Cardiomyocyte Functional Etiology in Heart Failure With Preserved Ejection Fraction Is Distinctive-A New Preclinical Model. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	17
28	Reactivation of Myc transcription in the mouse heart unlocks its proliferative capacity. <i>Nature Communications</i> , 2020 , 11, 1827	17.4	17
27	Turning back the cardiac regenerative clock: lessons from the neonate. <i>Trends in Cardiovascular Medicine</i> , 2012 , 22, 128-33	6.9	16
26	Regulation of microRNA during cardiomyocyte maturation in sheep. <i>BMC Genomics</i> , 2015 , 16, 541	4.5	14
25	Resetting the epigenome for heart regeneration. <i>Seminars in Cell and Developmental Biology</i> , 2016 , 58, 2-13	7.5	13
24	Disease modeling and functional screening using engineered heart tissue. <i>Current Opinion in Physiology</i> , 2018 , 1, 80-88	2.6	12
23	Differential Response to Injury in Fetal and Adolescent Sheep Hearts in the Immediate Post-myocardial Infarction Period. <i>Frontiers in Physiology</i> , 2019 , 10, 208	4.6	11
22	Cavin-1 deficiency modifies myocardial and coronary function, stretch responses and ischaemic tolerance: roles of NOS over-activity. <i>Basic Research in Cardiology</i> , 2017 , 112, 24	11.8	10
21	Cardiomyocyte functional screening: interrogating comparative electrophysiology of high-throughput model cell systems. <i>American Journal of Physiology - Cell Physiology</i> , 2019 , 317, C1256-C1267	5.4	10
20	β-Catenin drives distinct transcriptional networks in proliferative and nonproliferative cardiomyocytes. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	10
19	The non-coding road towards cardiac regeneration. <i>Journal of Cardiovascular Translational Research</i> , 2013 , 6, 909-23	3.3	10
18	Alpha-protein kinase 3 (ALPK3) truncating variants are a cause of autosomal dominant hypertrophic cardiomyopathy. <i>European Heart Journal</i> , 2021 , 42, 3063-3073	9.5	8
17	Therapeutic Inhibition of Acid-Sensing Ion Channel 1a Recovers Heart Function After Ischemia-Reperfusion Injury. <i>Circulation</i> , 2021 , 144, 947-960	16.7	8
16	TrawlerWeb: an online de novo motif discovery tool for next-generation sequencing datasets. <i>BMC Genomics</i> , 2018 , 19, 238	4.5	7
15	Glucocorticoids suppress growth in neonatal cardiomyocytes co-expressing AT(2) and AT(1) angiotensin receptors. <i>Neonatology</i> , 2010 , 97, 257-65	4	6

14	Sex-Specific Control of Human Heart Maturation by the Progesterone Receptor. <i>Circulation</i> , 2021 , 143, 1614-1628	16.7	6
13	3D-cardiomics: A spatial transcriptional atlas of the mammalian heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 163, 20-32	5.8	5
12	HFpEF-Time to Explore the Role of Genetic Heterogeneity in Phenotypic Variability: New Mechanistic Insights Offer Promise for Personalized Therapies. <i>Circulation</i> , 2019 , 140, 1607-1609	16.7	4
11	Cryoinjury Model for Tissue Injury and Repair in Bioengineered Human Striated Muscle. <i>Methods in Molecular Biology</i> , 2017 , 1668, 209-224	1.4	4
10	Commentary: From bioprosthetic tissue degeneration to regeneration: A new surgical horizon in the era of regenerative medicine. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 158, 742-743	1.5	3
9	Yap regulates skeletal muscle fatty acid oxidation and adiposity in metabolic disease. <i>Nature Communications</i> , 2021 , 12, 2887	17.4	3
8	Loss of the long non-coding RNA OIP5-AS1 exacerbates heart failure in a sex-specific manner. <i>IScience</i> , 2021 , 24, 102537	6.1	3
7	The role of cardiac transcription factor NKX2-5 in regulating the human cardiac miRNAome. <i>Scientific Reports</i> , 2019 , 9, 15928	4.9	2
6	Elevated dietary sodium intake exacerbates myocardial hypertrophy associated with cardiac-specific overproduction of angiotensin II. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2004 , 5, 169-75	3	2
5	Evaluating anthracycline cardiotoxicity associated single nucleotide polymorphisms in a paediatric cohort with early onset cardiomyopathy. <i>Cardio-Oncology</i> , 2020 , 6, 5	2.8	1
4	Differential gene responses 3 days following infarction in the fetal and adolescent sheep heart. <i>Physiological Genomics</i> , 2020 , 52, 143-159	3.6	1
3	Bromodomain and Extraterminal Inhibition Blocks Inflammation-Induced Cardiac Dysfunction and SARS-CoV-2 Infection (Pre-Clinical)		1
2	Acid sensing ion channel 1a is a key mediator of cardiac ischemia-reperfusion injury		1
1	CD90 Marks a Mesenchymal Program in Human Thymic Epithelial Cells and .. <i>Frontiers in Immunology</i> , 2022 , 13, 846281	8.4	0