Enzo R Porrello

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/529080/enzo-r-porrello-publications-by-year.pdf
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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	CD90 Marks a Mesenchymal Program in Human Thymic Epithelial Cells and .. *Frontiers in Immunology*, **2022**, 13, 846281	8.4	0
66	3D-cardiomics: A spatial transcriptional atlas of the mammalian heart. *Journal of Molecular and Cellular Cardiology*, **2021**, 163, 20-32	5.8	5
65	BET inhibition blocks inflammation-induced cardiac dysfunction and SARS-CoV-2 infection. *Cell*, **2021**, 184, 2167-2182.e22	56.2	43
64	Sex-Specific Control of Human Heart Maturation by the Progesterone Receptor. *Circulation*, **2021**, 143, 1614-1628	16.7	6
63	Yap regulates skeletal muscle fatty acid oxidation and adiposity in metabolic disease. *Nature Communications*, **2021**, 12, 2887	17.4	3
62	Loss of the long non-coding RNA OIP5-AS1 exacerbates heart failure in a sex-specific manner. *IScience*, **2021**, 24, 102537	6.1	3
61	Alpha-protein kinase 3 (ALPK3) truncating variants are a cause of autosomal dominant hypertrophic cardiomyopathy. *European Heart Journal*, **2021**, 42, 3063-3073	9.5	8
60	Therapeutic Inhibition of Acid-Sensing Ion Channel 1a Recovers Heart Function After Ischemia-Reperfusion Injury. *Circulation*, **2021**, 144, 947-960	16.7	8
59	Catenin drives distinct transcriptional networks in proliferative and nonproliferative cardiomyocytes. *Development (Cambridge)*, **2020**, 147,	6.6	10
58	Evaluating anthracycline cardiotoxicity associated single nucleotide polymorphisms in a paediatric cohort with early onset cardiomyopathy. *Cardio-Oncology*, **2020**, 6, 5	2.8	1
57	Differential gene responses 3 days following infarction in the fetal and adolescent sheep heart. *Physiological Genomics*, **2020**, 52, 143-159	3.6	1
56	Neutrophil-Derived S100A8/A9 Amplify Granulopoiesis After Myocardial Infarction. *Circulation*, **2020**, 141, 1080-1094	16.7	60
55	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscle remodelling. *PLoS Pathogens*, **2020**, 16, e1008651	7.6	18
54	Epicardial Adipose Tissue Accumulation Confers Atrial Conduction Abnormality. *Journal of the American College of Cardiology*, **2020**, 76, 1197-1211	15.1	29
53	Reactivation of Myc transcription in the mouse heart unlocks its proliferative capacity. *Nature Communications*, **2020**, 11, 1827	17.4	17
52	Vegfc/d-dependent regulation of the lymphatic vasculature during cardiac regeneration is influenced by injury context. *Npj Regenerative Medicine*, **2019**, 4, 18	15.8	23
51	Cardiomyocyte functional screening: interrogating comparative electrophysiology of high-throughput model cell systems. *American Journal of Physiology - Cell Physiology*, **2019**, 317, C1256-C1267	5.4	10

50	Commentary: From bioprosthetic tissue degeneration to regeneration: A new surgical horizon in the era of regenerative medicine. *Journal of Thoracic and Cardiovascular Surgery*, **2019**, 158, 742-743	1.5	3
49	Drug Screening in Human PSC-Cardiac Organoids Identifies Pro-proliferative Compounds Acting via the Mevalonate Pathway. *Cell Stem Cell*, **2019**, 24, 895-907.e6	18	120
48	Differential Response to Injury in Fetal and Adolescent Sheep Hearts in the Immediate Post-myocardial Infarction Period. *Frontiers in Physiology*, **2019**, 10, 208	4.6	11
47	HFpEF-Time to Explore the Role of Genetic Heterogeneity in Phenotypic Variability: New Mechanistic Insights Offer Promise for Personalized Therapies. *Circulation*, **2019**, 140, 1607-1609	16.7	4
46	The role of cardiac transcription factor NKX2-5 in regulating the human cardiac miRNAome. *Scientific Reports*, **2019**, 9, 15928	4.9	2
45	Development of a human skeletal micro muscle platform with pacing capabilities. *Biomaterials*, **2019**, 198, 217-227	15.6	19
44	NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network. *Nature Communications*, **2018**, 9, 1373	17.4	45
43	Disease modeling and functional screening using engineered heart tissue. *Current Opinion in Physiology*, **2018**, 1, 80-88	2.6	12
42	TrawlerWeb: an online de novo motif discovery tool for next-generation sequencing datasets. *BMC Genomics*, **2018**, 19, 238	4.5	7
41	Cardiomyocyte Functional Etiology in Heart Failure With Preserved Ejection Fraction Is Distinctive-A New Preclinical Model. *Journal of the American Heart Association*, **2018**, 7,	6	17
40	Development of a human cardiac organoid injury model reveals innate regenerative potential. *Development (Cambridge)*, **2017**, 144, 1118-1127	6.6	84
39	Cavin-1 deficiency modifies myocardial and coronary function, stretch responses and ischaemic tolerance: roles of NOS over-activity. *Basic Research in Cardiology*, **2017**, 112, 24	11.8	10
38	Cryoinjury Model for Tissue Injury and Repair in Bioengineered Human Striated Muscle. *Methods in Molecular Biology*, **2017**, 1668, 209-224	1.4	4
37	Functional screening in human cardiac organoids reveals a metabolic mechanism for cardiomyocyte cell cycle arrest. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8372-E8381	11.5	239
36	Multicellular Transcriptional Analysis of Mammalian Heart Regeneration. *Circulation*, **2017**, 136, 1123-1139	16.7	145
35	Evolution, comparative biology and ontogeny of vertebrate heart regeneration. *Npj Regenerative Medicine*, **2016**, 1, 16012	15.8	68
34	Induction of Human iPSC-Derived Cardiomyocyte Proliferation Revealed by Combinatorial Screening in High Density Microbioreactor Arrays. *Scientific Reports*, **2016**, 6, 24637	4.9	41
33	Resetting the epigenome for heart regeneration. *Seminars in Cell and Developmental Biology*, **2016**, 58, 2-13	7.5	13

32	Regulation of microRNA during cardiomyocyte maturation in sheep. *BMC Genomics*, **2015**, 16, 541	4.5	14
31	Dynamic changes in the cardiac methylome during postnatal development. *FASEB Journal*, **2015**, 29, 1329-43	0.9	47
30	Cardiac gene expression data and in silico analysis provide novel insights into human and mouse taste receptor gene regulation. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2015**, 388, 1009-27	3.4	19
29	Concise review: new frontiers in microRNA-based tissue regeneration. *Stem Cells Translational Medicine*, **2014**, 3, 969-76	6.9	19
28	Surgical models for cardiac regeneration in neonatal mice. *Nature Protocols*, **2014**, 9, 305-11	18.8	99
27	A neonatal blueprint for cardiac regeneration. *Stem Cell Research*, **2014**, 13, 556-70	1.6	123
26	Therapeutic silencing of miR-652 restores heart function and attenuates adverse remodeling in a setting of established pathological hypertrophy. *FASEB Journal*, **2014**, 28, 5097-110	0.9	61
25	Macrophages are required for neonatal heart regeneration. *Journal of Clinical Investigation*, **2014**, 124, 1382-92	15.9	458
24	The non-coding road towards cardiac regeneration. *Journal of Cardiovascular Translational Research* , **2013**, 6, 909-23	3.3	10
23	Meis1 regulates postnatal cardiomyocyte cell cycle arrest. *Nature*, **2013**, 497, 249-253	50.4	364
22	Regulation of neonatal and adult mammalian heart regeneration by the miR-15 family. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 187-92	11.5	513
21	microRNAs in cardiac development and regeneration. *Clinical Science*, **2013**, 125, 151-66	6.5	76
20	Hippo pathway effector Yap promotes cardiac regeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 13839-44	11.5	575
19	Expression, regulation and putative nutrient-sensing function of taste GPCRs in the heart. *PLoS ONE*, **2013**, 8, e64579	3.7	92
18	Turning back the cardiac regenerative clock: lessons from the neonate. *Trends in Cardiovascular Medicine*, **2012**, 22, 128-33	6.9	16
17	The hypoxic epicardial and subepicardial microenvironment. *Journal of Cardiovascular Translational Research*, **2012**, 5, 654-65	3.3	46
16	Transient regenerative potential of the neonatal mouse heart. *Science*, **2011**, 331, 1078-80	33.3	1603
15	Regulation of angiotensinogen by angiotensin II in mouse primary astrocyte cultures. *Journal of Neurochemistry*, **2011**, 119, 18-26	6	22

14	Heteromerization of angiotensin receptors changes trafficking and arrestin recruitment profiles. *Cellular Signalling*, **2011**, 23, 1767-76	4.9	51
13	MiR-15 family regulates postnatal mitotic arrest of cardiomyocytes. *Circulation Research*, **2011**, 109, 670-9	15.7	335
12	Building a new heart from old parts: stem cell turnover in the aging heart. *Circulation Research*, **2010**, 107, 1292-4	15.7	19
11	Glucocorticoids suppress growth in neonatal cardiomyocytes co-expressing AT(2) and AT(1) angiotensin receptors. *Neonatology*, **2010**, 97, 257-65	4	6
10	Maternal vitamin D deficiency leads to cardiac hypertrophy in rat offspring. *Reproductive Sciences*, **2010**, 17, 168-76	3	34
9	Heritable pathologic cardiac hypertrophy in adulthood is preceded by neonatal cardiac growth restriction. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2009**, 296, R672-80	3.2	27
8	Angiotensin II type 2 receptor antagonizes angiotensin II type 1 receptor-mediated cardiomyocyte autophagy. *Hypertension*, **2009**, 53, 1032-40	8.5	86
7	Cardiomyocyte autophagy is regulated by angiotensin II type 1 and type 2 receptors. *Autophagy*, **2009**, 5, 1215-6	10.2	40
6	The angiotensin II type 2 (AT2) receptor: an enigmatic seven transmembrane receptor. *Frontiers in Bioscience - Landmark*, **2009**, 14, 958-72	2.8	83
5	Early origins of cardiac hypertrophy: does cardiomyocyte attrition programme for pathological Vcatch-upVgrowth of the heart?. *Clinical and Experimental Pharmacology and Physiology*, **2008**, 35, 1358-64	3	41
4	The intrinsic resistance of female hearts to an ischemic insult is abrogated in primary cardiac hypertrophy. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H1514-22	5.2	29
3	Elevated dietary sodium intake exacerbates myocardial hypertrophy associated with cardiac-specific overproduction of angiotensin II. *JRAAS - Journal of the Renin-Angiotensin-Aldosterone System*, **2004**, 5, 169-75	3	2
2	Bromodomain and Extraterminal Inhibition Blocks Inflammation-Induced Cardiac Dysfunction and SARS-CoV-2 Infection (Pre-Clinical)		1
1	Acid sensing ion channel 1a is a key mediator of cardiac ischemia-reperfusion injury		1