Ioannis Karakikes

List of Publications by Citations

49 papers	1,782 citations	22 h-index	42 g-index
58 ext. papers	2,279 ext. citations	9.5 avg, IF	4.38 L-index

#	Paper	IF	Citations
49	Human induced pluripotent stem cell-derived cardiomyocytes: insights into molecular, cellular, and functional phenotypes. *Circulation Research*, **2015**, 117, 80-8	15.7	252
48	Therapeutic cardiac-targeted delivery of miR-1 reverses pressure overload-induced cardiac hypertrophy and attenuates pathological remodeling. *Journal of the American Heart Association*, **2013**, 2, e000078	6	190
47	Correction of human phospholamban R14del mutation associated with cardiomyopathy using targeted nucleases and combination therapy. *Nature Communications*, **2015**, 6, 6955	17.4	119
46	Patient-Specific iPSC-Derived Endothelial Cells Uncover Pathways that Protect against Pulmonary Hypertension in BMPR2 Mutation Carriers. *Cell Stem Cell*, **2017**, 20, 490-504.e5	18	117
45	Small molecule-mediated directed differentiation of human embryonic stem cells toward ventricular cardiomyocytes. *Stem Cells Translational Medicine*, **2014**, 3, 18-31	6.9	110
44	Transcriptome Profiling of Patient-Specific Human iPSC-Cardiomyocytes Predicts Individual Drug Safety and Efficacy Responses In Vitro. *Cell Stem Cell*, **2016**, 19, 311-25	18	103
43	iPSC-derived cardiomyocytes reveal abnormal TGF- signalling in left ventricular non-compaction cardiomyopathy. *Nature Cell Biology*, **2016**, 18, 1031-42	23.4	103
42	Activation of PDGF pathway links LMNA mutation to dilated cardiomyopathy. *Nature*, **2019**, 572, 335-340	50.4	75
41	Passive Stretch Induces Structural and Functional Maturation of Engineered Heart Muscle as Predicted by Computational Modeling. *Stem Cells*, **2018**, 36, 265-277	5.8	74
40	Modeling susceptibility to drug-induced long QT with a panel of subject-specific induced pluripotent stem cells. *ELife*, **2017**, 6,	8.9	61
39	A Premature Termination Codon Mutation in MYBPC3 Causes Hypertrophic Cardiomyopathy via Chronic Activation of Nonsense-Mediated Decay. *Circulation*, **2019**, 139, 799-811	16.7	54
38	Cardiac I-1c overexpression with reengineered AAV improves cardiac function in swine ischemic heart failure. *Molecular Therapy*, **2014**, 22, 2038-2045	11.7	53
37	Molecular and functional resemblance of differentiated cells derived from isogenic human iPSCs and SCNT-derived ESCs. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E11111-E11120	11.5	47
36	Genomic correction of familial cardiomyopathy in human engineered cardiac tissues. *European Heart Journal*, **2016**, 37, 3282-3284	9.5	42
35	A Comprehensive TALEN-Based Knockout Library for Generating Human-Induced Pluripotent Stem Cell-Based Models for Cardiovascular Diseases. *Circulation Research*, **2017**, 120, 1561-1571	15.7	37
34	Rapid and efficient conversion of integration-free human induced pluripotent stem cells to GMP-grade culture conditions. *PLoS ONE*, **2014**, 9, e94231	3.7	36
33	Concomitant intravenous nitroglycerin with intracoronary delivery of AAV1.SERCA2a enhances gene transfer in porcine hearts. *Molecular Therapy*, **2012**, 20, 565-71	11.7	32

32	Effectiveness of gene delivery systems for pluripotent and differentiated cells. *Molecular Therapy - Methods and Clinical Development*, **2015**, 2, 14067	6.4	31
31	Telomere shortening is a hallmark of genetic cardiomyopathies. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 9276-9281	11.5	30
30	A Rapid, High-Quality, Cost-Effective, Comprehensive and Expandable Targeted Next-Generation Sequencing Assay for Inherited Heart Diseases. *Circulation Research*, **2015**, 117, 603-11	15.7	27
29	Gene remodeling in type 2 diabetic cardiomyopathy and its phenotypic rescue with SERCA2a. *PLoS ONE*, **2009**, 4, e6474	3.7	26
28	Phospholamban as a crucial determinant of the inotropic response of human pluripotent stem cell-derived ventricular cardiomyocytes and engineered 3-dimensional tissue constructs. *Circulation: Arrhythmia and Electrophysiology*, **2015**, 8, 193-202	6.4	23
27	Human-induced pluripotent stem cell models of inherited cardiomyopathies. *Current Opinion in Cardiology*, **2014**, 29, 214-9	2.1	22
26	SETD7 Drives Cardiac Lineage Commitment through Stage-Specific Transcriptional Activation. *Cell Stem Cell*, **2018**, 22, 428-444.e5	18	20
25	Endogenous Retrovirus-Derived lncRNA BANCR Promotes Cardiomyocyte Migration in Humans and Non-human Primates. *Developmental Cell*, **2020**, 54, 694-709.e9	10.2	16
24	iPSC Modeling of RBM20-Deficient DCM Identifies Upregulation of RBM20 as a Therapeutic Strategy. *Cell Reports*, **2020**, 32, 108117	10.6	13
23	Cytokines profile in hypertensive patients with left ventricular remodeling and dysfunction. *Journal of the American Society of Hypertension*, **2015**, 9, 975-84.e3		11
22	A Novel Recessive Mutation in SPEG Causes Early Onset Dilated Cardiomyopathy. *PLoS Genetics*, **2020**, 16, e1009000	6	10
21	Concise Review: Mending a Broken Heart: The Evolution of Biological Therapeutics. *Stem Cells*, **2017**, 35, 1131-1140	5.8	8
20	Pharmacological Silencing of MicroRNA-152 Prevents Pressure Overload-Induced Heart Failure. *Circulation: Heart Failure*, **2020**, 13, e006298	7.6	8
19	Unfolded Protein Response as a Compensatory Mechanism and Potential Therapeutic Target in PLN R14del Cardiomyopathy. *Circulation*, **2021**, 144, 382-392	16.7	7
18	Efficient Genome Editing in Induced Pluripotent Stem Cells with Engineered Nucleases In Vitro. *Methods in Molecular Biology*, **2017**, 1521, 55-68	1.4	4
17	Concise Review: Precision Matchmaking: Induced Pluripotent Stem Cells Meet Cardio-Oncology. *Stem Cells Translational Medicine*, **2019**, 8, 758-767	6.9	4
16	Small-molecule probe reveals a kinase cascade that links stress signaling to TCF/LEF and Wnt responsiveness. *Cell Chemical Biology*, **2021**, 28, 625-635.e5	8.2	3
15	AlleleProfileR: A versatile tool to identify and profile sequence variants in edited genomes. *PLoS ONE*, **2019**, 14, e0226694	3.7	3

14	Gene Transfer in Cardiomyocytes Derived from ES and iPS Cells. *Methods in Molecular Biology*, **2017**, 1521, 183-193	1.4	2
13	Recent Progress in Genome Editing Approaches for Inherited Cardiovascular Diseases. *Current Cardiology Reports*, **2018**, 20, 58	4.2	2
12	Molecular Signatures of Beneficial Class Effects of Statins on Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. *Circulation*, **2020**, 141, 1208-1210	16.7	2
11	Translating genomic insights into cardiovascular medicine: Opportunities and challenges of CRISPR-Cas9. *Trends in Cardiovascular Medicine*, **2021**, 31, 341-348	6.9	1
10	Current Status of Genome Editing in Cardiovascular Medicine **2016**, 107-126		1
9	Generation of AAVS1 integrated doxycycline-inducible CRISPR-Prime Editor human induced pluripotent stem cell line. *Stem Cell Research*, **2021**, 57, 102610	1.6	1
8	SARS-CoV-2 susceptibility and ACE2 gene variations within diverse ethnic backgrounds		1
7	SARS-CoV-2 Susceptibility and Gene Variations Within Diverse Ethnic Backgrounds.. *Frontiers in Genetics*, **2022**, 13, 888025	4.5	0
6	Expression of cardiac specific genes and functional testing of engineered cardiac tissues. *FASEB Journal*, **2011**, 25, 1127.3	0.9	
5	Generation of a dual edited human induced pluripotent stem cell Myl7-GFP reporter line with inducible CRISPRi/dCas9.. *Stem Cell Research*, **2022**, 61, 102754	1.6	
4	A Novel Recessive Mutation in SPEG Causes Early Onset Dilated Cardiomyopathy **2020**, 16, e1009000		
3	A Novel Recessive Mutation in SPEG Causes Early Onset Dilated Cardiomyopathy **2020**, 16, e1009000		
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