

Alessandra Moretti

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.

78
papers

5,863
citations

32
h-index

76
g-index

93
ext. papers

6,669
ext. citations

9.5
avg, IF

4.92
L-index

#	Paper	IF	Citations
78	Postnatal isl1+ cardioblasts enter fully differentiated cardiomyocyte lineages. <i>Nature</i> , 2005 , 433, 647-53	50.4	1087
77	Patient-specific induced pluripotent stem-cell models for long-QT syndrome. <i>New England Journal of Medicine</i> , 2010 , 363, 1397-409	59.2	943
76	Multipotent embryonic isl1+ progenitor cells lead to cardiac, smooth muscle, and endothelial cell diversification. <i>Cell</i> , 2006 , 127, 1151-65	56.2	812
75	The renewal and differentiation of Isl1+ cardiovascular progenitors are controlled by a Wnt/beta-catenin pathway. <i>Cell Stem Cell</i> , 2007 , 1, 165-79	18	268
74	Dantrolene rescues arrhythmogenic RYR2 defect in a patient-specific stem cell model of catecholaminergic polymorphic ventricular tachycardia. <i>EMBO Molecular Medicine</i> , 2012 , 4, 180-91	12	257
73	Human Engineered Heart Tissue: Analysis of Contractile Force. <i>Stem Cell Reports</i> , 2016 , 7, 29-42	8	217
72	Islet1 cardiovascular progenitors: a single source for heart lineages?. <i>Development (Cambridge)</i> , 2008 , 135, 193-205	6.6	186
71	Functional diversity of P-type and R-type calcium channels in rat cerebellar neurons. <i>Journal of Neuroscience</i> , 1996 , 16, 6353-63	6.6	154
70	Isogenic human pluripotent stem cell pairs reveal the role of a KCNH2 mutation in long-QT syndrome. <i>EMBO Journal</i> , 2013 , 32, 3161-75	13	145
69	Embryonic heart progenitors and cardiogenesis. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013 , 3, a013847	5.4	133
68	Mouse and human induced pluripotent stem cells as a source for multipotent Isl1+ cardiovascular progenitors. <i>FASEB Journal</i> , 2010 , 24, 700-11	0.9	100
67	Essential myosin light chain as a target for caspase-3 in failing myocardium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 11860-5	11.5	88
66	Somatic gene editing ameliorates skeletal and cardiac muscle failure in pig and human models of Duchenne muscular dystrophy. <i>Nature Medicine</i> , 2020 , 26, 207-214	50.5	85
65	Elucidating arrhythmogenic mechanisms of long-QT syndrome CALM1-F142L mutation in patient-specific induced pluripotent stem cell-derived cardiomyocytes. <i>Cardiovascular Research</i> , 2017 , 113, 531-541	9.9	79
64	Blocking caspase-activated apoptosis improves contractility in failing myocardium. <i>Human Gene Therapy</i> , 2001 , 12, 2051-63	4.8	78
63	Diabetes Mellitus-Induced Microvascular Destabilization in the Myocardium. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 131-143	15.1	77
62	Antisense-mediated exon skipping: a therapeutic strategy for titin-based dilated cardiomyopathy. <i>EMBO Molecular Medicine</i> , 2015 , 7, 562-76	12	74

61	Induced pluripotent stem cell-derived cardiomyocytes for drug development and toxicity testing. <i>Pharmacology & Therapeutics</i> , 2014 , 143, 246-52	13.9	72
60	A new hERG allosteric modulator rescues genetic and drug-induced long-QT syndrome phenotypes in cardiomyocytes from isogenic pairs of patient induced pluripotent stem cells. <i>EMBO Molecular Medicine</i> , 2016 , 8, 1065-81	12	66
59	Direct nkx2-5 transcriptional repression of isl1 controls cardiomyocyte subtype identity. <i>Stem Cells</i> , 2015 , 33, 1113-29	5.8	63
58	Pluripotent stem cell models of human heart disease. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013 , 3,	5.4	61
57	Enhanced cardiac contractility after gene transfer of V2 vasopressin receptors In vivo by ultrasound-guided injection or transcatheter delivery. <i>Circulation</i> , 2000 , 101, 1578-85	16.7	61
56	Automated analysis of contractile force and Ca ²⁺ transients in engineered heart tissue. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H1353-63	5.2	60
55	Three novel types of voltage-dependent calcium channels in rat cerebellar neurons. <i>Journal of Neuroscience</i> , 1994 , 14, 5243-56	6.6	50
54	Subtype-specific promoter-driven action potential imaging for precise disease modelling and drug testing in hiPSC-derived cardiomyocytes. <i>European Heart Journal</i> , 2017 , 38, 292-301	9.5	49
53	Neurotrophic self-renewing neural stem (NS) cells derived from mouse induced pluripotent stem (iPS) cells. <i>Molecular and Cellular Neurosciences</i> , 2010 , 43, 287-95	4.8	47
52	Interplay of cell-cell contacts and RhoA/MRTF-A signaling regulates cardiomyocyte identity. <i>EMBO Journal</i> , 2018 , 37,	13	46
51	Modulation of hERG potassium channel gating normalizes action potential duration prolonged by dysfunctional KCNQ1 potassium channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11866-71	11.5	45
50	Induced pluripotent stem cell-derived cardiomyocytes: a versatile tool for arrhythmia research. <i>Circulation Research</i> , 2013 , 112, 961-8	15.7	40
49	Development. ES cells to the rescue. <i>Science</i> , 2004 , 306, 239-40	33.3	34
48	Effects of two Gbetagamma-binding proteins--N-terminally truncated phosducin and beta-adrenergic receptor kinase C terminus (betaARKct)--in heart failure. <i>Gene Therapy</i> , 2003 , 10, 1354-61	6.1	33
47	Biology of Isl1+ cardiac progenitor cells in development and disease. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 674-82	10.3	32
46	Transcriptome Analysis of Reticulated Platelets Reveals a Prothrombotic Profile. <i>Thrombosis and Haemostasis</i> , 2019 , 119, 1795-1806	7	27
45	Suppression of Arrhythmia by Enhancing Mitochondrial Ca Uptake in Catecholaminergic Ventricular Tachycardia Models. <i>JACC Basic To Translational Science</i> , 2017 , 2, 737-747	8.7	26
44	Functional abnormalities in induced Pluripotent Stem Cell-derived cardiomyocytes generated from titin-mutated patients with dilated cardiomyopathy. <i>PLoS ONE</i> , 2018 , 13, e0205719	3.7	24

43	Multipotent progenitor cells in regenerative cardiovascular medicine. <i>Pediatric Cardiology</i> , 2009 , 30, 690-8	2.1	23
42	Adenoviral gene transfer of the human V2 vasopressin receptor improves contractile force of rat cardiomyocytes. <i>Circulation</i> , 1999 , 99, 925-33	16.7	23
41	Live fluorescent RNA-based detection of pluripotency gene expression in embryonic and induced pluripotent stem cells of different species. <i>Stem Cells</i> , 2015 , 33, 392-402	5.8	20
40	Genetically Encoded Voltage Indicators in Circulation Research. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 21626-42	6.3	18
39	Modeling long-QT syndromes with iPS cells. <i>Journal of Cardiovascular Translational Research</i> , 2013 , 6, 31-6	3.3	17
38	Functional comparison of induced pluripotent stem cell- and blood-derived GPIIb/IIIa deficient platelets. <i>PLoS ONE</i> , 2015 , 10, e0115978	3.7	13
37	Gene transfer of the pancaspase inhibitor P35 reduces myocardial infarct size and improves cardiac function. <i>Journal of Molecular Medicine</i> , 2005 , 83, 526-34	5.5	12
36	AntimiR-132 Attenuates Myocardial Hypertrophy in an Animal Model of Percutaneous Aortic Constriction. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 2923-2935	15.1	11
35	The Wnt inhibitor Dkk1 is required for maintaining the normal cardiac differentiation program in <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 2019 , 449, 1-13	3.1	10
34	Aberrant Deactivation-Induced Gain of Function in TRPM4 Mutant Is Associated with Human Cardiac Conduction Block. <i>Cell Reports</i> , 2018 , 24, 724-731	10.6	9
33	Gene transfer of heterologous G protein-coupled receptors to cardiomyocytes: differential effects on contractility. <i>Circulation Research</i> , 2001 , 88, 688-95	15.7	9
32	Perspectives and Challenges of Pluripotent Stem Cells in Cardiac Arrhythmia Research. <i>Current Cardiology Reports</i> , 2017 , 19, 23	4.2	8
31	Recapitulating long-QT syndrome using induced pluripotent stem cell technology. <i>Pediatric Cardiology</i> , 2012 , 33, 950-8	2.1	8
30	Progressive stretch enhances growth and maturation of 3D stem-cell-derived myocardium. <i>Theranostics</i> , 2021 , 11, 6138-6153	12.1	7
29	Genome editing for Duchenne muscular dystrophy: a glimpse of the future?. <i>Gene Therapy</i> , 2021 , 28, 542-548	4	7
28	Induced pluripotent stem cells in cardiovascular research. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2012 , 163, 1-26	2.9	6
27	Truncated titin proteins and titin haploinsufficiency are targets for functional recovery in human cardiomyopathy due to mutations. <i>Science Translational Medicine</i> , 2021 , 13, eabd3079	17.5	6
26	Sequential Defects in Cardiac Lineage Commitment and Maturation Cause Hypoplastic Left Heart Syndrome. <i>Circulation</i> , 2021 , 144, 1409-1428	16.7	6

25	MicroRNA-365 regulates human cardiac action potential duration.. <i>Nature Communications</i> , 2022 , 13, 220	17.4	3
24	Domain zipping and unzipping modulates TRPM4S properties in human cardiac conduction disease. <i>FASEB Journal</i> , 2020 , 34, 12114-12126	0.9	3
23	Approved drugs ezetimibe and disulfiram enhance mitochondrial Ca uptake and suppress cardiac arrhythmogenesis. <i>British Journal of Pharmacology</i> , 2021 , 178, 4518-4532	8.6	3
22	MicroRNAs in a cardiac loop: progenitor or myocyte?. <i>Developmental Cell</i> , 2010 , 19, 787-8	10.2	2
21	Human BIN1 isoforms grow, maintain and regenerate excitation-contraction couplons in adult rat and human stem cell-derived cardiomyocytes. <i>Cardiovascular Research</i> , 2021 ,	9.9	2
20	DGK and DZHK position paper on genome editing: basic science applications and future perspective. <i>Basic Research in Cardiology</i> , 2021 , 116, 2	11.8	2
19	Endothelial Retargeting of AAV9 In Vivo.. <i>Advanced Science</i> , 2022 , e2103867	13.6	1
18	Innervated mouse pancreas organoids as an model to study pancreatic neuropathy in pancreatic cancer. <i>STAR Protocols</i> , 2021 , 2, 100935	1.4	1
17	Deciphering the Role of Wnt and Rho Signaling Pathway in iPSC-Derived ARVC Cardiomyocytes by In Silico Mathematical Modeling. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
16	Precise Correction of Heterozygous SHOX2 Mutations in hiPSCs Derived from Patients with Atrial Fibrillation via Genome Editing and Sib Selection. <i>Stem Cell Reports</i> , 2020 , 15, 999-1013	8	1
15	Induced Pluripotent Stem Cells in Regenerative Medicine 2016 , 51-75		1
14	Subtype-specific Optical Action Potential Recordings in Human Induced Pluripotent Stem Cell-derived Ventricular Cardiomyocytes. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	1
13	Generation of two human iPSC lines, HMGUi003-A and MRli028-A, carrying pathogenic biallelic variants in the PPCS gene.. <i>Stem Cell Research</i> , 2022 , 61, 102773	1.6	1
12	Use of hiPSC-Derived Cardiomyocytes to Rule Out Proarrhythmic Effects of Drugs: The Case of Hydroxychloroquine in COVID-19.. <i>Frontiers in Physiology</i> , 2021 , 12, 730127	4.6	0
11	Cell cycle defects underlie childhood-onset cardiomyopathy associated with Noonan syndrome.. <i>IScience</i> , 2022 , 25, 103596	6.1	0
10	Generation of heterozygous (MRli003-A-5) and homozygous (MRli003-A-6) voltage-sensing knock-in human iPSC lines by CRISPR/Cas9 editing of the AAVS1 locus.. <i>Stem Cell Research</i> , 2022 , 61, 102785	1.6	0
9	Treatment of Patients with Long-QT Syndrome: Differentiation of Patient-Derived Induced Pluripotent Stem Cells into Functional Cardiac Myocytes 2013 , 93-100		
8	In vitro generation of hiPSC-derived megakaryocytes and platelets from a patient with Glanzmann thrombasthenia. <i>European Heart Journal</i> , 2013 , 34, 5867-5867	9.5	

7	Generation of heterozygous (MRli003-A-1) and homozygous (MRli003-A-2) MYH10 knockout human iPSC lines. <i>Stem Cell Research</i> , 2021 , 57, 102612	1.6
6	Identification of Differentially Regulated Pathways in Cardiac Development and Cardiac Gene Expression during In Vitro Cardiac Differentiation of HLHS-derived Human Induced Pluripotent Stem Cells using Transcriptome Analysis. <i>Thoracic and Cardiovascular Surgeon</i> , 2018 , 66, S1-S110	1.6
5	Induced Pluripotent Stem Cell-Derived Cardiomyocytes: Towards Personalized Therapeutic Strategies?. <i>Cardiac and Vascular Biology</i> , 2018 , 421-437	0.2
4	Human Induced Pluripotent Stem Cells as Platform for Functional Examination of Cardiovascular Genetics in a Dish. <i>Cardiac and Vascular Biology</i> , 2019 , 341-357	0.2
3	Modeling Arrhythmogenic Heart Disease with Patient-Specific Induced Pluripotent Stem Cells 2013 , 276-304	
2	Nicht kodierende Ribonukleinsäure im kardiovaskulären System. <i>Kardiologie</i> , 2022 , 16, 100-108	0.6
1	Generation of heterozygous (MRli003-A-3) and homozygous (MRli003-A-4) TRPM4 knockout human iPSC lines.. <i>Stem Cell Research</i> , 2022 , 60, 102731	1.6