James F Martin

List of Publications by Year
in descending order

121 papers	9,067 citations	61857 43 h-index	43802 91 g-index
128 all docs	128 docs citations	128 times ranked	11213 citing authors

#	Article	IF	Citations
1	Targeting the Hippo pathway in heart repair. Cardiovascular Research, 2022, 118, 2402-2414.	1.8	13
2	Cell-type modeling in spatial transcriptomics data elucidates spatially variable colocalization and communication between cell-types in mouse brain. Cell Systems, 2022, 13, 58-70.e5.	2.9	14
3	RBFOX2 is required for establishing RNA regulatory networks essential for heart development. Nucleic Acids Research, 2022, 50, 2270-2286.	6.5	20
4	Mutations in Hcfc1 and Ronin result in an inborn error of cobalamin metabolism and ribosomopathy. Nature Communications, 2022, 13, 134.	5.8	16
5	Hippo signaling in cardiac fibroblasts during development, tissue repair, and fibrosis. Current Topics in Developmental Biology, 2022, , 91-121.	1.0	4
6	Intestinal Deletion of 3-Hydroxy-3-Methylglutaryl-Coenzyme A Reductase Promotes Expansion of the Resident Stem Cell Compartment. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 381-394.	1.1	1
7	Decoding the PITX2-controlled genetic network in atrial fibrillation. JCI Insight, 2022, 7, .	2.3	5
8	RNA splicing to cytoskeleton: A new path to cardiomyocyte ploidy and division?. Developmental Cell, 2022, 57, 945-946.	3.1	1
9	Yap and Taz promote osteogenesis in neural crest cells by preventing chondrogenesis. FASEB Journal, 2022, 36, .	0.2	1
10	The cell-autonomous and nonâ€“cell-autonomous roles of the Hippo pathway in heart regeneration. Journal of Molecular and Cellular Cardiology, 2022, 168, 98-106.	0.9	5
11	Integrated multi-omic characterization of congenital heart disease. Nature, 2022, 608, 181-191.	13.7	37
12	A Steroid Receptor Coactivator Stimulator MCB-613 Attenuates Adverse Remodeling After Myocardial Infarction. Journal of the Endocrine Society, 2021, 5, A803-A803.	0.1	0
13	Yap and Taz function as the osteochondrogenic determinant in neural crest cells. FASEB Journal, 2021, 35, .	0.2	0
14	Gene therapy knockdown of Hippo signaling induces cardiomyocyte renewal in pigs after myocardial infarction. Science Translational Medicine, 2021, 13, .	5.8	68
15	The histone H3.3 chaperone HIRA restrains erythroid-biased differentiation of adult hematopoietic stem cells. Stem Cell Reports, 2021, 16, 2014-2028.	2.3	9
16	Yap Promotes Noncanonical Wnt Signals From Cardiomyocytes for Heart Regeneration. Circulation Research, 2021, 129, 782-797.	2.0	30
17	A novel transgenic Cre allele to label mouse cardiac conduction system. Developmental Biology, 2021, 478, 163-172.	0.9	2
18	Epigenetic Assays in Purified Cardiomyocyte Nuclei. Methods in Molecular Biology, 2021, 2158, 307-321.	0.4	4

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19	Suppressing Hippo signaling in the stem cell niche promotes skeletal muscle regeneration. Stem Cells, 2021, 39, 737-749.	1.4	8
20	Abstract MP245: Tet Proteins Regulate Second Heart Field Multipotent Progenitors Differentiating To Myocytes. Circulation Research, 2021, 129, .	2.0	0
21	Hippo Pathway Effector Tead1 Induces Cardiac Fibroblast to Cardiomyocyte Reprogramming. Journal of the American Heart Association, 2021, 10, e022659.	1.6	20
22	Abstract 123: Intestinal Deletion Of 3-hydroxy-3-methylglutaryl-coenzyme A Reductase Promotes Expansion Of The Resident Stem Cell Compartment. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, .	1.1	0
23	Determinants of Cardiac Growth and Size. Cold Spring Harbor Perspectives in Biology, 2020, 12, a037150.	2.3	12
24	ERBB2 drives YAP activation and EMT-like processes during cardiac regeneration. Nature Cell Biology, 2020, 22, 1346-1356.	4.6	130
25	Predicting unrecognized enhancer-mediated genome topology by an ensemble machine learning model. Genome Research, 2020, 30, 1835-1845.	2.4	12
26	A steroid receptor coactivator stimulator (MCB-613) attenuates adverse remodeling after myocardial infarction. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31353-31364.	3.3	20
27	Embryonic ECM Protein SLIT2 and NPNT Promote Postnatal Cardiomyocyte Cytokinesis. Circulation Research, 2020, 127, 908-910.	2.0	1
28	Organ of Corti size is governed by Yap/Tead-mediated progenitor self-renewal. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13552-13561.	3.3	36
29	Epigenetic and Transcriptional Networks Underlying Atrial Fibrillation. Circulation Research, 2020, 127, 34-50.	2.0	48
30	Abstract 293: Functional Recovery After Gene Therapy and Hippo Pathway Knock Down After Myocardial Infarction in a Pig Model. Circulation Research, 2020, 127, .	2.0	0
31	Enhancing Pace: Identifying and Validating the Cis-Regulatory Landscape of the Sinoatrial Node. Circulation Research, 2020, 127, 1519-1521.	2.0	0
32	Leading progress in heart regeneration and repair. Current Opinion in Cell Biology, 2019, 61, 79-85.	2.6	22
33	Depletion of Endothelial Prolyl Hydroxylase Domain Protein 2 and 3 Promotes Cardiomyocyte Proliferation and Prevents Ventricular Failure Induced by Myocardial Infarction. Circulation, 2019, 140, 440-442.	1.6	17
34	Conserved <i>NPPB</i> + Border Zone Switches From MEF2- to AP-1â€“Driven Gene Program. Circulation, 2019, 140, 864-879.	1.6	70
35	PRDM16s transforms megakaryocyte-erythroid progenitors into myeloid leukemiaâ€“initiating cells. Blood, 2019, 134, 614-625.	0.6	16
36	A cellular atlas of<i>Pitx2-</i>dependent cardiac development. Development (Cambridge), 2019, 146, .	1.2	44

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37	Long-range Pitx2c enhancerâ€"promoter interactions prevent predisposition to atrial fibrillation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22692-22698.	3.3	46
38	Tet inactivation disrupts YY1 binding and long-range chromatin interactions during embryonic heart development. Nature Communications, 2019, 10, 4297.	5.8	44
39	Hippo pathway deletion in adult resting cardiac fibroblasts initiates a cell state transition with spontaneous and self-sustaining fibrosis. Genes and Development, 2019, 33, 1491-1505.	2.7	101
40	Stimulating Cardiogenesis as a Treatment for Heart Failure. Circulation Research, 2019, 124, 1647-1657.	2.0	59
41	The Hippo Pathway Blocks Mammalian Retinal MÃ¼ller Glial Cell Reprogramming. Cell Reports, 2019, 27, 1637-1649.e6.	2.9	92
42	Editorial: Cardio-Oncology: From Bench to Bedside. Frontiers in Cardiovascular Medicine, 2019, 6, 37.	1.1	2
43	YAP Partially Reprograms Chromatin Accessibility to Directly Induce Adult Cardiogenesis InÂVivo. Developmental Cell, 2019, 48, 765-779.e7.	3.1	171
44	Awakening the regenerative potential of the mammalian retina. Development (Cambridge), 2019, 146, .	1.2	22
45	Identification of atrial fibrillation associated genes and functional non-coding variants. Nature Communications, 2019, 10, 4755.	5.8	64
46	The regulation and function of the Hippo pathway in heart regeneration. Wiley Interdisciplinary Reviews: Developmental Biology, 2019, 8, e335.	5.9	25
47	Genetic architecture of laterality defects revealed by whole exome sequencing. European Journal of Human Genetics, 2019, 27, 563-573.	1.4	44
48	Transcriptomic and epigenetic regulation of hair cell regeneration in the mouse utricle and its potentiation by Atoh1. ELife, 2019, 8, .	2.8	46
49	Ronin (Thap11) Deficiency Results in a Disease Impacting both Vitamin B 12 Metabolism and Ribosome Biogenesis. FASEB Journal, 2019, 33, 449.2.	0.2	0
50	A Role for Ploidy in Heart Regeneration. Developmental Cell, 2018, 44, 403-404.	3.1	5
51	Heart muscle regeneration: the wonder of a Cardio-Cocktail. Cell Research, 2018, 28, 503-504.	5.7	4
52	Notch signaling regulates Hey2 expression in a spatiotemporal dependent manner during cardiac morphogenesis and trabecular specification. Scientific Reports, 2018, 8, 2678.	1.6	20
53	Hippo Signaling Plays an Essential Role in Cell State Transitions during Cardiac Fibroblast Development. Developmental Cell, 2018, 45, 153-169.e6.	3.1	144
54	Single-Cell RNA-Seq of Mouse Olfactory Bulb Reveals Cellular Heterogeneity and Activity-Dependent Molecular Census of Adult-Born Neurons. Cell Reports, 2018, 25, 2689-2703.e3.	2.9	109

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55	FoxO6 regulates Hippo signaling and growth of the craniofacial complex. PLoS Genetics, 2018, 14, e1007675.	1.5	25
56	Distinguishing Cardiomyocyte Division From Binucleation. Circulation Research, 2018, 123, 1012-1014.	2.0	12
57	Biomechanical assessment of myocardial infarction using optical coherence elastography. Biomedical Optics Express, 2018, 9, 728.	1.5	29
58	Heart repair via cardiomyocyte-secreted vesicles. Nature Biomedical Engineering, 2018, 2, 271-272.	11.6	23
59	Endocrine lineage biases arise in temporally distinct endocrine progenitors during pancreatic morphogenesis. Nature Communications, 2018, 9, 3356.	5.8	67
60	Pitx2 maintains mitochondrial function during regeneration to prevent myocardial fat deposition. Development (Cambridge), 2018, 145, .	1.2	28
61	The Hippo pathway in the heart: pivotal roles in development, disease, and regeneration. Nature Reviews Cardiology, 2018, 15, 672-684.	6.1	252
62	Cardiomyocyte Proliferation for Therapeutic Regeneration. Current Cardiology Reports, 2018, 20, 63.	1.3	35
63	Sub-cellular localization specific SUMOylation in the heart. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2041-2055.	1.8	15
64	Somatic genome editing with CRISPR/Cas9 generates and corrects a metabolic disease. Scientific Reports, 2017, 7, 44624.	1.6	76
65	Hippo pathway deficiency reverses systolic heart failure after infarction. Nature, 2017, 550, 260-264.	13.7	333
66	Tissue specific requirements for WNT11 in developing outflow tract and dorsal mesenchymal protrusion. Developmental Biology, 2017, 429, 249-259.	0.9	16
67	Cardiomyocyte Regeneration. Circulation, 2017, 136, 680-686.	1.6	417
68	The extracellular matrix protein agrin promotes heart regeneration in mice. Nature, 2017, 547, 179-184.	13.7	498
69	Dystrophinâ€“glycoprotein complex sequesters Yap to inhibit cardiomyocyte proliferation. Nature, 2017, 547, 227-231.	13.7	232
70	Direct Stimulation of Cardiogenesis. Circulation Research, 2017, 121, 13-15.	2.0	8
71	Whole exome sequencing in 342 congenital cardiac left sided lesion cases reveals extensive genetic heterogeneity and complex inheritance patterns. Genome Medicine, 2017, 9, 95.	3.6	37
72	Tead1 is required for maintaining adult cardiomyocyte function, and its loss results in lethal dilated cardiomyopathy. JCI Insight, 2017, 2, .	2.3	42

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73	Genetic specification of leftâ€"right asymmetry in the diaphragm muscles and their motor innervation. ELife, 2017, 6, .	2.8	6
74	Abstract 78: Hippo Pathway and Dystrophin Glycoprotein Complex Regulate Cardiomyocyte Proliferation. Circulation Research, 2017, 121, .	2.0	0
75	Pitx2 promotes heart repair by activating the antioxidant response after cardiac injury. Nature, 2016, 534, 119-123.	13.7	244
76	Hippo/Yap Signaling in Cardiac Development and Regeneration. Current Treatment Options in Cardiovascular Medicine, 2016, 18, 38.	0.4	45
77	Large tumor suppressor homologs 1 and 2 regulate mouse liver progenitor cell proliferation and maturation through antagonism of the coactivators YAP and TAZ. Hepatology, 2016, 64, 1757-1772.	3.6	79
78	The Future of Onco-Cardiology. Circulation Research, 2016, 119, 896-899.	2.0	29
79	<i>Pitx2</i> modulates a <i>Tbx5</i> -dependent gene regulatory network to maintain atrial rhythm. Science Translational Medicine, 2016, 8, 354ra115.	5.8	123
80	Rbfox2 function in RNA metabolism is impaired in hypoplastic left heart syndrome patient hearts. Scientific Reports, 2016, 6, 30896.	1.6	45
81	RONIN Is an Essential Transcriptional Regulator of Genes Required for Mitochondrial Function in the Developing Retina. Cell Reports, 2016, 14, 1684-1697.	2.9	28
82	Abstract 396: Regulation of Cardiomyocyte Proliferation by the Hippo Pathway and Dystrophin Complex. Circulation Research, 2016, 119, .	2.0	0
83	Chromatin Architecture of the Pitx2 Locus Requires CTCF- and Pitx2-Dependent Asymmetry that Mirrors Embryonic Gut Laterality. Cell Reports, 2015, 13, 337-349.	2.9	30
84	Increased nuchal translucency origins from abnormal lymphatic development and is independent of the presence of a cardiac defect. Prenatal Diagnosis, 2015, 35, 1278-1286.	1.1	8
85	Knockout of SRC-1 and SRC-3 in Mice Decreases Cardiomyocyte Proliferation and Causes a Noncompaction Cardiomyopathy Phenotype. International Journal of Biological Sciences, 2015, 11, 1056-1072.	2.6	24
86	Yap and Taz play a crucial role in neural crest-derived craniofacial development. Development (Cambridge), 2015, 143, 504-15.	1.2	62
87	Identification of microRNAâ€"mRNA dysregulations in paroxysmal atrial fibrillation. International Journal of Cardiology, 2015, 184, 190-197.	0.8	46
88	A common <i>Shox2</i>-<i>Nkx2-5</i> antagonistic mechanism primes the pacemaking cell fate in the pulmonary vein myocardium and sinoatrial node. Development (Cambridge), 2015, 142, 2521-32.	1.2	105
89	Actin cytoskeletal remodeling with protrusion formation is essential for heart regeneration in Hippo-deficient mice. Science Signaling, 2015, 8, ra41.	1.6	178
90	Small RNA: From development to regeneration. Science Translational Medicine, 2015, 7, 279fs12.	5.8	5

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91	Identification of MicroRNAâ€mRNA Dysregulations in Paroxysmal Atrial Fibrillation. FASEB Journal, 2015, 29, 46.10.	0.2	0
92	Abstract 13: Hippo Signaling Deletion During Heart Failure Reverses Functional Decline. Circulation Research, 2015, 117, .	2.0	0
93	<i>Pitx2</i> , an Atrial Fibrillation Predisposition Gene, Directly Regulates Ion Transport and Intercalated Disc Genes. Circulation: Cardiovascular Genetics, 2014, 7, 23-32.	5.1	103
94	Loss of MicroRNA-106b-25 Cluster Promotes Atrial Fibrillation by Enhancing Ryanodine Receptor Type-2 Expression and Calcium Release. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 1214-1222.	2.1	101
95	Noncontact quantitative biomechanical characterization of cardiac muscle using shear wave imaging optical coherence tomography. Biomedical Optics Express, 2014, 5, 1980.	1.5	94
96	A piggyBac-based reporter system for scalable in vitro and in vivo analysis of 3â€² untranslated region-mediated gene regulation. Nucleic Acids Research, 2014, 42, e86-e86.	6.5	11
97	Macro advances in microRNAs and myocardial regeneration. Current Opinion in Cardiology, 2014, 29, 207-213.	0.8	28
98	Multi-Investigator Letter on Reproducibility of Neonatal Heart Regeneration following Apical Resection. Stem Cell Reports, 2014, 3, 1.	2.3	65
99	<i>Pitx2</i> -microRNA pathway that delimits sinoatrial node development and inhibits predisposition to atrial fibrillation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9181-9186.	3.3	109
100	Somatic mosaicism and allele complexity induced by CRISPR/Cas9 RNA injections in mouse zygotes. Developmental Biology, 2014, 393, 3-9.	0.9	270
101	Hippo Coactivator YAP1 Upregulates SOX9 and Endows Esophageal Cancer Cells with Stem-like Properties. Cancer Research, 2014, 74, 4170-4182.	0.4	219
102	Abstract 170: Hippo Signaling Regulates Epicardial Derived Cell Fate through Controlling Mechanical Property. Circulation Research, 2014, 115, .	2.0	0
103	Abstract 260: A miRNA-Hippo Pathway Promotes Cardiac Conduction System Regeneration. Circulation Research, 2014, 115, .	2.0	0
104	Abstract 258: Pitx2 Promotes Murine Myocardial Regeneration after Myocardial Injury. Circulation Research, 2014, 115, .	2.0	0
105	Abstract 15973: miRNA-Hippo Pathway Plays a Critical Role in the Cardiac Conduction System. Circulation, 2014, 130, .	1.6	0
106	Abstract 15657: Regulation of Cardiac Regeneration by Hippo Pathway and Dystrophin Glycoprotein Complex. Circulation, 2014, 130, .	1.6	0
107	Hippo signaling impedes adult heart regeneration. Development (Cambridge), 2013, 140, 4683-4690.	1.2	400
108	MicroRNA-17-92, a Direct Ap-2Î± Transcriptional Target, Modulates T-Box Factor Activity in Orofacial Clefting. PLoS Genetics, 2013, 9, e1003785.	1.5	68

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109	Bmp signaling represses <i>Vegfa</i> to promote outflow tract cushion development. Development (Cambridge), 2013, 140, 3395-3402.	1.2	48
110	Yin-Yang 1, a New Player in Early Heart Development. Circulation Research, 2013, 112, 876-877.	2.0	5
111	Hippo Pathway Inhibits Wnt Signaling to Restrain Cardiomyocyte Proliferation and Heart Size. Science, 2011, 332, 458-461.	6.0	926
112	BMP signaling in congenital heart disease: New developments and future directions. Birth Defects Research Part A: Clinical and Molecular Teratology, 2011, 91, 441-448.	1.6	58
113	<i>Pitx2</i> prevents susceptibility to atrial arrhythmias by inhibiting left-sided pacemaker specification. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9753-9758.	3.3	283
114	Bmp Signaling Regulates Myocardial Differentiation from Cardiac Progenitors Through a MicroRNA-Mediated Mechanism. Developmental Cell, 2010, 19, 903-912.	3.1	162
115	Canonical Wnt signaling functions in second heart field to promote right ventricular growth. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9319-9324.	3.3	176
116	Nuclear Factor 1 and T-Cell Factor/LEF Recognition Elements Regulate Pitx2 Transcription in Pituitary Development. Molecular and Cellular Biology, 2007, 27, 5765-5775.	1.1	37
117	Pitx2 regulates cardiac leftâ€“right asymmetry by patterning second cardiac lineage-derived myocardium. Developmental Biology, 2006, 296, 437-449.	0.9	110
118	<i>Pitx2c</i>patterns anterior myocardium and aortic arch vessels and is required for local cell movement into atrioventricular cushions. Development (Cambridge), 2002, 129, 5081-5091.	1.2	162
119	Pitx2c patterns anterior myocardium and aortic arch vessels and is required for local cell movement into atrioventricular cushions. Development (Cambridge), 2002, 129, 5081-91.	1.2	81
120	Regulation of left-right asymmetry by thresholds of Pitx2c activity. Development (Cambridge), 2001, 128, 2039-2048.	1.2	180
121	Function of Rieger syndrome gene in leftâ€“right asymmetry and craniofacial development. Nature, 1999, 401, 276-278.	13.7	478