Hideki Uosaki

List of Publications by Year
in descending order

40 papers	2,229 citations	394421 19 h-index	395702 33 g-index
46 all docs	46 docs citations	46 times ranked	3407 citing authors

#	Article	IF	Citations
1	Sympathetic Neurons Regulate Cardiomyocyte Maturation in Culture. Frontiers in Cell and Developmental Biology, 2022, 10, 850645.	3.7	12
2	Cross-Organ Transcriptomic Comparison Reveals Universal Factors During Maturation. Journal of Computational Biology, 2022, 29, 1031-1044.	1.6	1
3	Prolonged Myocardial Regenerative Capacity in Neonatal Opossum. Circulation, 2022, 146, 125-139.	1.6	9
4	Generation of Efficient Knock-in Mouse and Human Pluripotent Stem Cells Using CRISPR-Cas9. Methods in Molecular Biology, 2021, 2320, 247-259.	0.9	1
5	PGC1/PPAR drive cardiomyocyte maturation at single cell level via YAP1 and SF3B2. Nature Communications, 2021, 12, 1648.	12.8	49
6	Sarcomere Shortening of Pluripotent Stem Cell-Derived Cardiomyocytes using Fluorescent-Tagged Sarcomere Proteins.. Journal of Visualized Experiments, 2021, , .	0.3	0
7	Non-viral exÂvivo genome-editing in mouse bona fide hematopoietic stem cells with CRISPR/Cas9. Molecular Therapy - Methods and Clinical Development, 2021, 20, 451-462.	4.1	7
8	Fetal sheep support the development of hematopoietic cells in vivo from human induced pluripotent stem cells. Experimental Hematology, 2021, 95, 46-57.e8.	0.4	1
9	Decreased Lamin B1 Levels Affect Gene Positioning and Expression in Postmitotic Neurons. Neuroscience Research, 2021, 173, 22-33.	1.9	6
10	Rapid manipulation of mitochondrial morphology in a living cell with iCMM. Cell Reports Methods, 2021, 1, 100052.	2.9	10
11	Disease Modeling of Mitochondrial Cardiomyopathy Using Patient-Specific Induced Pluripotent Stem Cells. Biology, 2021, 10, 981.	2.8	3
12	Noncanonical Notch signals have opposing roles during cardiac development. Biochemical and Biophysical Research Communications, 2021, 577, 12-16.	2.1	2
13	Maturity of Pluripotent Stem Cell-Derived Cardiomyocytes and Future Perspectives for Regenerative Medicine. , 2021, , 217-230.		1
14	Generation of novel <i>Il2rg</i>-knockout mice with clustered regularly interspaced short palindromic repeats (CRISPR) and Cas9. Experimental Animals, 2020, 69, 189-198.	1.1	4
15	Comparative Transcriptome Landscape of Mouse and Human Hearts. Frontiers in Cell and Developmental Biology, 2020, 8, 268.	3.7	16
16	Use of Freeze-thawed Embryos for High-efficiency Production of Genetically Modified Mice. Journal of Visualized Experiments, 2020, , .	0.3	3
17	A Novel Fluorescent Reporter System Identifies Laminin-511/521 as Potent Regulators of Cardiomyocyte Maturation. Scientific Reports, 2020, 10, 4249.	3.3	22
18	A Brief Review of Current Maturation Methods for Human Induced Pluripotent Stem Cells-Derived Cardiomyocytes. Frontiers in Cell and Developmental Biology, 2020, 8, 178.	3.7	134

#	Article	IF	Citations
19	Rapid and high-efficient generation of mutant mice using freeze-thawed embryos of the C57BL/6J strain. Journal of Neuroscience Methods, 2019, 317, 149-156.	2.5	5
20	Production and rearing of germ-free X-SCID pigs. Experimental Animals, 2018, 67, 139-146.	1.1	16
21	Tbx6 Induces Nascent Mesoderm from Pluripotent Stem Cells and Temporally Controls Cardiac versus Somite Lineage Diversification. Cell Stem Cell, 2018, 23, 382-395.e5.	11.1	53
22	Neonatal Transplantation Confers Maturation of PSC-Derived Cardiomyocytes Conducive to Modeling Cardiomyopathy. Cell Reports, 2017, 18, 571-582.	6.4	90
23	Comparative Gene Expression Analysis of Mouse and Human Cardiac Maturation. Genomics, Proteomics and Bioinformatics, 2016, 14, 207-215.	6.9	40
24	Transcriptional Landscape of Cardiomyocyte Maturation. Cell Reports, 2015, 13, 1705-1716.	6.4	150
25	Abstract 19865: Transcriptional Landscape of Cardiomyocyte Maturation. Circulation, 2015, 132, .	1.6	0
26	Precardiac deletion of Numb and Numblike reveals renewal of cardiac progenitors. ELife, 2014, 3, e02164.	6.0	36
27	Identification of Chemicals Inducing Cardiomyocyte Proliferation in Developmental Stageâ€"Specific Manner With Pluripotent Stem Cells. Circulation: Cardiovascular Genetics, 2013, 6, 624-633.	5.1	44
28	Directed and Systematic Differentiation of Cardiovascular Cells from Mouse and Human Pluripotent Stem Cells. , 2013, , 84-96.		0
29	Direct Contact with Endoderm-Like Cells Efficiently Induces Cardiac Progenitors from Mouse and Human Pluripotent Stem Cells. PLoS ONE, 2012, 7, e46413.	2.5	30
30	Pluripotent Stem Cell-Engineered Cell Sheets Reassembled with Defined Cardiovascular Populations Ameliorate Reduction in Infarct Heart Function Through Cardiomyocyte-Mediated Neovascularization. Stem Cells, 2012, 30, 1196-1205.	3.2	140
31	Non-canonical Notch signaling: emerging role and mechanism. Trends in Cell Biology, 2012, 22, 257-265.	7.9	198
32	Chemicals Regulating Cardiomyocyte Differentiation. , 2011, , .		1
33	Efficient and Scalable Purification of Cardiomyocytes from Human Embryonic and Induced Pluripotent Stem Cells by VCAM1 Surface Expression. PLoS ONE, 2011, 6, e23657.	2.5	272
34	Induction and Enhancement of Cardiac Cell Differentiation from Mouse and Human Induced Pluripotent Stem Cells with Cyclosporin-A. PLoS ONE, 2011, 6, e16734.	2.5	116
35	Convergence of Notch and Î²-catenin signaling induces arterial fate in vascular progenitors. Journal of Cell Biology, 2010, 189, 325-338.	5.2	133
36	Convergence of Notch and Î²-catenin signaling induces arterial fate in vascular progenitors. Journal of Experimental Medicine, 2010, 207, i13-i13.	8.5	0

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37	The cardiac pacemaker-specific channel Hcn4 is a direct transcriptional target of MEF2. Cardiovascular Research, 2009, 83, 682-687.	3.8	41
38	Cyclosporin-A potently induces highly cardiogenic progenitors from embryonic stem cells. Biochemical and Biophysical Research Communications, 2009, 379, 115-120.	2.1	44
39	Directed and Systematic Differentiation of Cardiovascular Cells From Mouse Induced Pluripotent Stem Cells. Circulation, 2008, 118, 498-506.	1.6	465
40	Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels and T-Type Calcium Channels Confer Automaticity of Embryonic Stem Cell-Derived Cardiomyocytes. Stem Cells, 2007, 25, 2712-2719.	3.2	67