

# Hideki Uosaki

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Directed and Systematic Differentiation of Cardiovascular Cells From Mouse Induced Pluripotent Stem Cells. <i>Circulation</i> , 2008, 118, 498-506.	1.6	465
2	Efficient and Scalable Purification of Cardiomyocytes from Human Embryonic and Induced Pluripotent Stem Cells by VCAM1 Surface Expression. <i>PLoS ONE</i> , 2011, 6, e23657.	2.5	272
3	Non-canonical Notch signaling: emerging role and mechanism. <i>Trends in Cell Biology</i> , 2012, 22, 257-265.	7.9	198
4	Transcriptional Landscape of Cardiomyocyte Maturation. <i>Cell Reports</i> , 2015, 13, 1705-1716.	6.4	150
5	Pluripotent Stem Cell-Engineered Cell Sheets Reassembled with Defined Cardiovascular Populations Ameliorate Reduction in Infarct Heart Function Through Cardiomyocyte-Mediated Neovascularization. <i>Stem Cells</i> , 2012, 30, 1196-1205.	3.2	140
6	A Brief Review of Current Maturation Methods for Human Induced Pluripotent Stem Cells-Derived Cardiomyocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 178.	3.7	134
7	Convergence of Notch and $\beta$ -catenin signaling induces arterial fate in vascular progenitors. <i>Journal of Cell Biology</i> , 2010, 189, 325-338.	5.2	133
8	Induction and Enhancement of Cardiac Cell Differentiation from Mouse and Human Induced Pluripotent Stem Cells with Cyclosporin-A. <i>PLoS ONE</i> , 2011, 6, e16734.	2.5	116
9	Neonatal Transplantation Confers Maturation of PSC-Derived Cardiomyocytes Conducive to Modeling Cardiomyopathy. <i>Cell Reports</i> , 2017, 18, 571-582.	6.4	90
10	Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels and T-Type Calcium Channels Confer Automaticity of Embryonic Stem Cell-Derived Cardiomyocytes. <i>Stem Cells</i> , 2007, 25, 2712-2719.	3.2	67
11	Tbx6 Induces Nascent Mesoderm from Pluripotent Stem Cells and Temporally Controls Cardiac versus Somite Lineage Diversification. <i>Cell Stem Cell</i> , 2018, 23, 382-395.e5.	11.1	53
12	PGC1/PPAR drive cardiomyocyte maturation at single cell level via YAP1 and SF3B2. <i>Nature Communications</i> , 2021, 12, 1648.	12.8	49
13	Cyclosporin-A potently induces highly cardiogenic progenitors from embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 115-120.	2.1	44
14	Identification of Chemicals Inducing Cardiomyocyte Proliferation in Developmental Stage-Specific Manner With Pluripotent Stem Cells. <i>Circulation: Cardiovascular Genetics</i> , 2013, 6, 624-633.	5.1	44
15	The cardiac pacemaker-specific channel Hcn4 is a direct transcriptional target of MEF2. <i>Cardiovascular Research</i> , 2009, 83, 682-687.	3.8	41
16	Comparative Gene Expression Analysis of Mouse and Human Cardiac Maturation. <i>Genomics, Proteomics and Bioinformatics</i> , 2016, 14, 207-215.	6.9	40
17	Precardiac deletion of Numb and Numbl like reveals renewal of cardiac progenitors. <i>ELife</i> , 2014, 3, e02164.	6.0	36
18	Direct Contact with Endoderm-Like Cells Efficiently Induces Cardiac Progenitors from Mouse and Human Pluripotent Stem Cells. <i>PLoS ONE</i> , 2012, 7, e46413.	2.5	30

#	ARTICLE	IF	CITATIONS
19	A Novel Fluorescent Reporter System Identifies Laminin-511/521 as Potent Regulators of Cardiomyocyte Maturation. <i>Scientific Reports</i> , 2020, 10, 4249.	3.3	22
20	Production and rearing of germ-free X-SCID pigs. <i>Experimental Animals</i> , 2018, 67, 139-146.	1.1	16
21	Comparative Transcriptome Landscape of Mouse and Human Hearts. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 268.	3.7	16
22	Sympathetic Neurons Regulate Cardiomyocyte Maturation in Culture. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 850645.	3.7	12
23	Rapid manipulation of mitochondrial morphology in a living cell with iCMM. <i>Cell Reports Methods</i> , 2021, 1, 100052.	2.9	10
24	Prolonged Myocardial Regenerative Capacity in Neonatal Opossum. <i>Circulation</i> , 2022, 146, 125-139.	1.6	9
25	Non-viral ex vivo genome-editing in mouse bona fide hematopoietic stem cells with CRISPR/Cas9. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 451-462.	4.1	7
26	Decreased Lamin B1 Levels Affect Gene Positioning and Expression in Postmitotic Neurons. <i>Neuroscience Research</i> , 2021, 173, 22-33.	1.9	6
27	Rapid and high-efficient generation of mutant mice using freeze-thawed embryos of the C57BL/6J strain. <i>Journal of Neuroscience Methods</i> , 2019, 317, 149-156.	2.5	5
28	Generation of novel <i>l2rg</i> -knockout mice with clustered regularly interspaced short palindromic repeats (CRISPR) and Cas9. <i>Experimental Animals</i> , 2020, 69, 189-198.	1.1	4
29	Use of Freeze-thawed Embryos for High-efficiency Production of Genetically Modified Mice. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	3
30	Disease Modeling of Mitochondrial Cardiomyopathy Using Patient-Specific Induced Pluripotent Stem Cells. <i>Biology</i> , 2021, 10, 981.	2.8	3
31	Noncanonical Notch signals have opposing roles during cardiac development. <i>Biochemical and Biophysical Research Communications</i> , 2021, 577, 12-16.	2.1	2
32	Chemicals Regulating Cardiomyocyte Differentiation. , 2011, , .		1
33	Generation of Efficient Knock-in Mouse and Human Pluripotent Stem Cells Using CRISPR-Cas9. <i>Methods in Molecular Biology</i> , 2021, 2320, 247-259.	0.9	1
34	Fetal sheep support the development of hematopoietic cells in vivo from human induced pluripotent stem cells. <i>Experimental Hematology</i> , 2021, 95, 46-57.e8.	0.4	1
35	Maturity of Pluripotent Stem Cell-Derived Cardiomyocytes and Future Perspectives for Regenerative Medicine. , 2021, , 217-230.		1
36	Cross-Organ Transcriptomic Comparison Reveals Universal Factors During Maturation. <i>Journal of Computational Biology</i> , 2022, 29, 1031-1044.	1.6	1

#	ARTICLE	IF	CITATIONS
37	Sarcomere Shortening of Pluripotent Stem Cell-Derived Cardiomyocytes using Fluorescent-Tagged Sarcomere Proteins.. Journal of Visualized Experiments, 2021, , .	0.3	0
38	Convergence of Notch and $\beta$ -catenin signaling induces arterial fate in vascular progenitors. Journal of Experimental Medicine, 2010, 207, i13-i13.	8.5	0
39	Directed and Systematic Differentiation of Cardiovascular Cells from Mouse and Human Pluripotent Stem Cells. , 2013, , 84-96.		0
40	Abstract 19865: Transcriptional Landscape of Cardiomyocyte Maturation. Circulation, 2015, 132, .	1.6	0