

Danwei Huangfu

List of Publications by Year in descending order

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43
papers

8,774
citations

201385

27
h-index

276539

41
g-index

48
all docs

48
docs citations

48
times ranked

10887
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of pluripotent stem cells by defined factors is greatly improved by small-molecule compounds. <i>Nature Biotechnology</i> , 2008, 26, 795-797.	9.4	1,491
2	Hedgehog signalling in the mouse requires intraflagellar transport proteins. <i>Nature</i> , 2003, 426, 83-87.	13.7	1,260
3	Induction of pluripotent stem cells from primary human fibroblasts with only Oct4 and Sox2. <i>Nature Biotechnology</i> , 2008, 26, 1269-1275.	9.4	1,249
4	Cilia and Hedgehog responsiveness in the mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11325-11330.	3.3	745
5	A Small-Molecule Inhibitor of Tgf- β 2 Signaling Replaces Sox2 in Reprogramming by Inducing Nanog. <i>Cell Stem Cell</i> , 2009, 5, 491-503.	5.2	741
6	Signaling from Smo to Ci/Gli: conservation and divergence of Hedgehog pathways from Drosophila to vertebrates. <i>Development (Cambridge)</i> , 2006, 133, 3-14.	1.2	431
7	An iCRISPR Platform for Rapid, Multiplexable, and Inducible Genome Editing in Human Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2014, 15, 215-226.	5.2	411
8	CRISPR/Cas9-Based Engineering of the Epigenome. <i>Cell Stem Cell</i> , 2017, 21, 431-447.	5.2	215
9	All β 2 Cells Contribute Equally to Islet Growth and Maintenance. <i>PLoS Biology</i> , 2007, 5, e163.	2.6	191
10	Mouse Dispatched homolog1 Is Required for Long-Range, but Not Juxtacrine, Hh Signaling. <i>Current Biology</i> , 2002, 12, 1628-1632.	1.8	170
11	TET proteins safeguard bivalent promoters from de novo methylation in human embryonic stem cells. <i>Nature Genetics</i> , 2018, 50, 83-95.	9.4	156
12	Human pluripotent stem cells: an emerging model in developmental biology. <i>Development (Cambridge)</i> , 2013, 140, 705-717.	1.2	155
13	Genome Editing of Lineage Determinants in Human Pluripotent Stem Cells Reveals Mechanisms of Pancreatic Development and Diabetes. <i>Cell Stem Cell</i> , 2016, 18, 755-768.	5.2	147
14	Analysis of mouse embryonic patterning and morphogenesis by forward genetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5913-5919.	3.3	130
15	Functional analysis of a chromosomal deletion associated with myelodysplastic syndromes using isogenic human induced pluripotent stem cells. <i>Nature Biotechnology</i> , 2015, 33, 646-655.	9.4	130
16	Genome Editing in hPSCs Reveals GATA6 Haploinsufficiency and a Genetic Interaction with GATA4 in Human Pancreatic Development. <i>Cell Stem Cell</i> , 2017, 20, 675-688.e6.	5.2	128
17	The p53 Family Coordinates Wnt and Nodal Inputs in Mesendodermal Differentiation of Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2017, 20, 70-86.	5.2	121
18	FOXA2 Is Required for Enhancer Priming during Pancreatic Differentiation. <i>Cell Reports</i> , 2019, 28, 382-393.e7.	2.9	111

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19	Genome-scale screens identify JNK/JUN signaling as a barrier for pluripotency exit and endoderm differentiation. <i>Nature Genetics</i> , 2019, 51, 999-1010.	9.4	90
20	A CRISPR/Cas-Mediated Selection-free Knockin Strategy in Human Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2015, 4, 1103-1111.	2.3	85
21	Homologous Recombination DNA Repair Genes Play a Critical Role in Reprogramming to a Pluripotent State. <i>Cell Reports</i> , 2013, 3, 651-660.	2.9	74
22	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. <i>Transplantation</i> , 2018, 102, 1223-1229.	0.5	72
23	QSER1 protects DNA methylation valleys from de novo methylation. <i>Science</i> , 2021, 372, .	6.0	69
24	Glucose and aging control the quiescence period that follows pancreatic beta cell replication. <i>Development (Cambridge)</i> , 2010, 137, 3205-3213.	1.2	67
25	The iCRISPR Platform for Rapid Genome Editing in Human Pluripotent Stem Cells. <i>Methods in Enzymology</i> , 2014, 546, 215-250.	0.4	59
26	Discovery of a drug candidate for GLIS3-associated diabetes. <i>Nature Communications</i> , 2018, 9, 2681.	5.8	48
27	Glutamine independence is a selectable feature of pluripotent stem cells. <i>Nature Metabolism</i> , 2019, 1, 676-687.	5.1	46
28	Abnormal exocrine-endocrine cell cross-talk promotes β^2 -cell dysfunction and loss in MODY8. <i>Nature Metabolism</i> , 2022, 4, 76-89.	5.1	25
29	DICER1 Is Essential for Self-Renewal of Human Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2018, 11, 616-625.	2.3	24
30	Decoding the noncoding genome via large-scale CRISPR screens. <i>Current Opinion in Genetics and Development</i> , 2018, 52, 70-76.	1.5	20
31	Mechanisms underlying the formation of induced pluripotent stem cells. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2016, 5, 39-65.	5.9	18
32	Enhancer Predictions and Genome-Wide Regulatory Circuits. <i>Annual Review of Genomics and Human Genetics</i> , 2020, 21, 37-54.	2.5	18
33	CRISPR screening uncovers a central requirement for HHEX in pancreatic lineage commitment and plasticity restriction. <i>Nature Cell Biology</i> , 2022, 24, 1064-1076.	4.6	15
34	CRISPR/Cas-Mediated Knockin in Human Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2017, 1513, 119-140.	0.4	14
35	Decoding pluripotency: Genetic screens to interrogate the acquisition, maintenance, and exit of pluripotency. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2020, 12, e1464.	6.6	11
36	Stage-specific regulation of DNA methylation by TET enzymes during human cardiac differentiation. <i>Cell Reports</i> , 2021, 37, 110095.	2.9	10

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37	Generation of human embryonic stem cell models to exploit the EWSR1-CREB fusion promiscuity as a common pathway of transformation in human tumors. <i>Oncogene</i> , 2021, 40, 5095-5104.	2.6	7
38	CRISPR/Cas9-Mediated Mutagenesis of Human Pluripotent Stem Cells in Defined Xeno-Free E8 Medium. <i>Methods in Molecular Biology</i> , 2017, 1498, 57-78.	0.4	5
39	Epigenome rewiring in human pluripotent stem cells. <i>Trends in Cell Biology</i> , 2022, 32, 259-271.	3.6	4
40	Genome Editing and Directed Differentiation of hPSCs for Interrogating Lineage Determinants in Human Pancreatic Development. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	3
41	Kathryn Anderson (1952â€“2020). <i>Developmental Cell</i> , 2021, 56, 257-259.	3.1	0
42	Kathryn Anderson (1952â€“2020). <i>Cell</i> , 2021, 184, 1123-1126.	13.5	0
43	209.7: An Inducible Genome Engineering Approach for Preventing Immune Rejection of hESC-derived Beta Cells. <i>Transplantation</i> , 2021, 105, S16-S16.	0.5	0