

Shuibing Chen

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

6,552
citations

136740

32
h-index

133063

59
g-index

70
all docs

70
docs citations

70
times ranked

9480
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Human Pluripotent Stem Cell-based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids. <i>Cell Stem Cell</i> , 2020, 27, 125-136.e7.	5.2	543
3	A small molecule that directs differentiation of human ESCs into the pancreatic lineage. <i>Nature Chemical Biology</i> , 2009, 5, 258-265.	3.9	454
4	Small Molecules Efficiently Direct Endodermal Differentiation of Mouse and Human Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2009, 4, 348-358.	5.2	404
5	Identification of SARS-CoV-2 inhibitors using lung and colonic organoids. <i>Nature</i> , 2021, 589, 270-275.	13.7	389
6	Dedifferentiation of Lineage-Committed Cells by a Small Molecule. <i>Journal of the American Chemical Society</i> , 2004, 126, 410-411.	6.6	308
7	Self-renewal of embryonic stem cells by a small molecule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17266-17271.	3.3	296
8	Colonic organoids derived from human induced pluripotent stem cells for modeling colorectal cancer and drug testing. <i>Nature Medicine</i> , 2017, 23, 878-884.	15.2	285
9	Deriving human ENS lineages for cell therapy and drug discovery in Hirschsprung disease. <i>Nature</i> , 2016, 531, 105-109.	13.7	252
10	High-Content Screening in hPSC-Neural Progenitors Identifies Drug Candidates that Inhibit Zika Virus Infection in Fetal-like Organoids and Adult Brain. <i>Cell Stem Cell</i> , 2017, 21, 274-283.e5.	5.2	214
11	A Modular Platform for Differentiation of Human PSCs into All Major Ectodermal Lineages. <i>Cell Stem Cell</i> , 2017, 21, 399-410.e7.	5.2	168
12	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
13	SARS-CoV-2 infection induces beta cell transdifferentiation. <i>Cell Metabolism</i> , 2021, 33, 1577-1591.e7.	7.2	123
14	Reversine increases the plasticity of lineage-committed mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10482-10487.	3.3	99
15	An Isogenic Human ESC Platform for Functional Evaluation of Genome-wide-Association-Study-Identified Diabetes Genes and Drug Discovery. <i>Cell Stem Cell</i> , 2016, 19, 326-340.	5.2	98
16	An Integrated Systems Biology Approach Identifies TRIM25 as a Key Determinant of Breast Cancer Metastasis. <i>Cell Reports</i> , 2017, 20, 1623-1640.	2.9	96
17	A recellularized human colon model identifies cancer driver genes. <i>Nature Biotechnology</i> , 2016, 34, 845-851.	9.4	91
18	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

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19	Male germ cells support long-term propagation of Zika virus. <i>Nature Communications</i> , 2018, 9, 2090.	5.8	75
20	PRMT5-mediated regulation of developmental myelination. <i>Nature Communications</i> , 2018, 9, 2840.	5.8	73
21	Human organoid models to study SARS-CoV-2 infection. <i>Nature Methods</i> , 2022, 19, 418-428.	9.0	73
22	ROCKII inhibition promotes the maturation of human pancreatic beta-like cells. <i>Nature Communications</i> , 2017, 8, 298.	5.8	69
23	Inflammatory responses in the placenta upon SARS-CoV-2 infection late in pregnancy. <i>IScience</i> , 2022, 25, 104223.	1.9	58
24	A Multiplex Human Pluripotent Stem Cell Platform Defines Molecular and Functional Subclasses of Autism-Related Genes. <i>Cell Stem Cell</i> , 2020, 27, 35-49.e6.	5.2	56
25	Zika Virus Protease Cleavage of Host Protein Septin-2 Mediates Mitotic Defects in Neural Progenitors. <i>Neuron</i> , 2019, 101, 1089-1098.e4.	3.8	55
26	SARS-CoV-2 Infection Induces Ferroptosis of Sinoatrial Node Pacemaker Cells. <i>Circulation Research</i> , 2022, 130, 963-977.	2.0	49
27	Modeling Cystic Fibrosis Using Pluripotent Stem Cell-Derived Human Pancreatic Ductal Epithelial Cells. <i>Stem Cells Translational Medicine</i> , 2016, 5, 572-579.	1.6	48
28	Discovery of a drug candidate for GLIS3-associated diabetes. <i>Nature Communications</i> , 2018, 9, 2681.	5.8	48
29	Exploring stem cell biology with small molecules. <i>Molecular BioSystems</i> , 2006, 2, 18-24.	2.9	41
30	An Immuno-Cardiac Model for Macrophage-Mediated Inflammation in COVID-19 Hearts. <i>Circulation Research</i> , 2021, 129, 33-46.	2.0	40
31	Endothelial Cells Control Pancreatic Cell Fate at Defined Stages through EGFL7 Signaling. <i>Stem Cell Reports</i> , 2015, 4, 181-189.	2.3	37
32	Cardiomyocytes recruit monocytes upon SARS-CoV-2 infection by secreting Δ CCCL2. <i>Stem Cell Reports</i> , 2021, 16, 2274-2288.	2.3	37
33	An airway organoid-based screen identifies a role for the HIF1 α -glycolysis axis in SARS-CoV-2 infection. <i>Cell Reports</i> , 2021, 37, 109920.	2.9	36
34	Efficient Generation of Cardiac Purkinje Cells from ESCs by Activating cAMP Signaling. <i>Stem Cell Reports</i> , 2015, 4, 1089-1102.	2.3	34
35	Dynamic self-organization of microwell-aggregated cellular mixtures. <i>Soft Matter</i> , 2016, 12, 5739-5746.	1.2	33
36	Using hESCs to Probe the Interaction of the Diabetes-Associated Genes CDKAL1 and MT1E. <i>Cell Reports</i> , 2017, 19, 1512-1521.	2.9	32

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37	Pre- and peri-implantation Zika virus infection impairs fetal development by targeting trophectoderm cells. <i>Nature Communications</i> , 2019, 10, 4155.	5.8	30
38	A hPSC-based platform to discover gene-environment interactions that impact human $\hat{1}^2$ -cell and dopamine neuron survival. <i>Nature Communications</i> , 2018, 9, 4815.	5.8	29
39	Discovery of a Small-Molecule BMP Sensitizer for Human Embryonic Stem Cell Differentiation. <i>Cell Reports</i> , 2016, 15, 2063-2075.	2.9	22
40	Multifunctional <i>in vivo</i> imaging of pancreatic islets in diabetes development. <i>Journal of Cell Science</i> , 2016, 129, 2865-75.	1.2	21
41	Modeling polymorphic ventricular tachycardia at rest using patient-specific induced pluripotent stem cell-derived cardiomyocytes. <i>EBioMedicine</i> , 2020, 60, 103024.	2.7	19
42	Identifying FDA-approved drugs with multimodal properties against COVID-19 using a data-driven approach and a lung organoid model of SARS-CoV-2 entry. <i>Molecular Medicine</i> , 2021, 27, 105.	1.9	18
43	Mechanisms of Lung Injury Induced by SARS-CoV-2 Infection. <i>Physiology</i> , 2022, 37, 88-100.	1.6	18
44	Discovery of a Small Molecule Promoting Mouse and Human Osteoblast Differentiation via Activation of p38 MAPK- $\hat{1}^2$. <i>Cell Chemical Biology</i> , 2019, 26, 926-935.e6.	2.5	17
45	A human embryonic stem cell reporter line for monitoring chemical-induced cardiotoxicity. <i>Cardiovascular Research</i> , 2020, 116, 658-670.	1.8	17
46	CLIC4 regulates late endosomal trafficking and matrix degradation activity of MMP14 at focal adhesions in RPE cells. <i>Scientific Reports</i> , 2019, 9, 12247.	1.6	16
47	Transient Activation of Reprogramming Transcription Factors Using Protein Transduction Facilitates Conversion of Human Fibroblasts Toward Cardiomyocyte-Like Cells. <i>Molecular Biotechnology</i> , 2017, 59, 207-220.	1.3	13
48	Human pluripotent stem cell-based organoids and cell platforms for modelling SARS-CoV-2 infection and drug discovery. <i>Stem Cell Research</i> , 2021, 53, 102207.	0.3	13
49	Modeling cancer progression using human pluripotent stem cell-derived cells and organoids. <i>Stem Cell Research</i> , 2020, 49, 102063.	0.3	12
50	Stage-specific regulation of DNA methylation by TET enzymes during human cardiac differentiation. <i>Cell Reports</i> , 2021, 37, 110095.	2.9	10
51	Ketohexokinase-mediated fructose metabolism is lost in hepatocellular carcinoma and can be leveraged for metabolic imaging. <i>Science Advances</i> , 2022, 8, eabm7985.	4.7	9
52	Screening-Based Chemical Approaches to Unravel Stem Cell Biology. <i>Stem Cell Reports</i> , 2018, 11, 1312-1323.	2.3	7
53	Efficient Generation of Cardiac Purkinje-like Cells from Embryonic Stem Cells by Activating cAMP Signaling. <i>Current Protocols in Stem Cell Biology</i> , 2017, 40, 1F.16.1-1F.16.13.	3.0	6
54	The small molecule DIPQUO promotes osteogenic differentiation via inhibition of glycogen synthase kinase 3-beta signaling. <i>Journal of Biological Chemistry</i> , 2021, 296, 100696.	1.6	6

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55	Phenotypic technologies in stem cell biology. <i>Cell Chemical Biology</i> , 2021, 28, 257-270.	2.5	6
56	Derivation and characterization of a UCP1 reporter human ES cell line. <i>Stem Cell Research</i> , 2018, 30, 12-21.	0.3	5
57	Modeling endodermal organ development and diseases using human pluripotent stem cell-derived organoids. <i>Journal of Molecular Cell Biology</i> , 2020, 12, 580-592.	1.5	4
58	Organoid-based chemical approach to dissect the mechanism controlling cellular dynamics. <i>Journal of Molecular Cell Biology</i> , 2020, 12, 666-667.	1.5	1
59	Comments on "An airway organoid-based screen identifies a role for the HIF1 α -glycolysis axis in SARS-CoV-2 infection". <i>Journal of Molecular Cell Biology</i> , 2021, , .	1.5	1
60	A dual SHOX2:GFP; MYH6:mCherry knockin hESC reporter line for derivation of human SAN-like cells. <i>IScience</i> , 2022, 25, 104153.	1.9	1
61	GSK-3 and Stem Cells. , 0, , 155-171.		0
62	Abstract 16005: Highly Efficient Derivation of Human Pacemaker Cells From Pluripotent Stem Cells in Chemically Defined Conditions. <i>Circulation</i> , 2015, 132, .	1.6	0