

Nobuaki Shiraki

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,264
citations

567281

15
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

2100
citing authors

#	ARTICLE	IF	CITATIONS
1	Methionine Metabolism Regulates Maintenance and Differentiation of Human Pluripotent Stem Cells. <i>Cell Metabolism</i> , 2014, 19, 780-794.	16.2	421
2	Differentiation of mouse and human embryonic stem cells into hepatic lineages. <i>Genes To Cells</i> , 2008, 13, 731-746.	1.2	103
3	Guided Differentiation of Embryonic Stem Cells into Pdx1-Expressing Regional-Specific Definitive Endoderm. <i>Stem Cells</i> , 2008, 26, 874-885.	3.2	96
4	Wnt and Notch Signals Guide Embryonic Stem Cell Differentiation into the Intestinal Lineages. <i>Stem Cells</i> , 2013, 31, 1086-1096.	3.2	86
5	Synthesized basement membranes direct the differentiation of mouse embryonic stem cells into pancreatic lineages. <i>Journal of Cell Science</i> , 2010, 123, 2733-2742.	2.0	64
6	VMAT2 identified as a regulator of late-stage \hat{I}^2 -cell differentiation. <i>Nature Chemical Biology</i> , 2014, 10, 141-148.	8.0	63
7	Generation of insulin-producing \hat{I}^2 -like cells from human iPS cells in a defined and completely xeno-free culture system. <i>Journal of Molecular Cell Biology</i> , 2014, 6, 394-408.	3.3	62
8	Efficient Differentiation of Embryonic Stem Cells into Hepatic Cells In Vitro Using a Feeder-Free Basement Membrane Substratum. <i>PLoS ONE</i> , 2011, 6, e24228.	2.5	48
9	Differentiation and characterization of embryonic stem cells into three germ layers. <i>Biochemical and Biophysical Research Communications</i> , 2009, 381, 694-699.	2.1	31
10	A synthetic nanofibrillar matrix promotes in vitro hepatic differentiation of embryonic stem cells and induced pluripotent stem cells. <i>Journal of Cell Science</i> , 2013, 126, 5391-9.	2.0	31
11	TGF- \hat{I}^2 signaling potentiates differentiation of embryonic stem cells to Pdx-1 expressing endodermal cells. <i>Genes To Cells</i> , 2005, 10, 503-516.	1.2	28
12	Albumin gene targeting in human embryonic stem cells and induced pluripotent stem cells with helper-dependent adenoviral vector to monitor hepatic differentiation. <i>Stem Cell Research</i> , 2013, 10, 179-194.	0.7	25
13	Dopamine D2 Receptor-Mediated Regulation of Pancreatic \hat{I}^2 Cell Mass. <i>Stem Cell Reports</i> , 2016, 7, 95-109.	4.8	24
14	Embryonic and adult stem cell systems in mammals: Ontology and regulation. <i>Development Growth and Differentiation</i> , 2010, 52, 115-129.	1.5	21
15	Collagen vitrigel promotes hepatocytic differentiation of induced pluripotent stem cells into functional hepatocyte-like cells. <i>Biology Open</i> , 2019, 8, .	1.2	18
16	Generation of Human-Induced Pluripotent Stem Cell-Derived Functional Enterocyte-Like Cells for Pharmacokinetic Studies. <i>Stem Cell Reports</i> , 2021, 16, 295-308.	4.8	18
17	Coculture with hiPS-derived intestinal cells enhanced human hepatocyte functions in a pneumatic-pressure-driven two-organ microphysiological system. <i>Scientific Reports</i> , 2021, 11, 5437.	3.3	18
18	Profiling of Embryonic Stem Cell Differentiation. <i>Review of Diabetic Studies</i> , 2014, 11, 102-114.	1.3	17

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19	Identification of DAF1/CD55, a Novel Definitive Endoderm Marker. <i>Cell Structure and Function</i> , 2010, 35, 73-80.	1.1	14
20	Beneficial Effect of Insulin Treatment on Islet Transplantation Outcomes in Akita Mice. <i>PLoS ONE</i> , 2014, 9, e95451.	2.5	14
21	Generation of familial amyloidotic polyneuropathy-specific induced pluripotent stem cells. <i>Stem Cell Research</i> , 2014, 12, 574-583.	0.7	11
22	VMAT2 Safeguards β -Cells Against Dopamine Cytotoxicity Under High-Fat Diet-Induced Stress. <i>Diabetes</i> , 2020, 69, 2377-2391.	0.6	11
23	Mild electrical stimulation with heat shock guides differentiation of embryonic stem cells into Pdx1-expressing cells within the definitive endoderm. <i>BMC Biotechnology</i> , 2017, 17, 14.	3.3	9
24	Recent progress in pancreatic islet cell therapy. <i>Inflammation and Regeneration</i> , 2021, 41, 1.	3.7	9
25	Plasticity of histone modifications around Cidea and Cidec genes with secondary bile in the amelioration of developmentally-programmed hepatic steatosis. <i>Scientific Reports</i> , 2019, 9, 17100.	3.3	7
26	Erythropoietin facilitates definitive endodermal differentiation of mouse embryonic stem cells via activation of ERK signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C573-C582.	4.6	6
27	Influence of 60 ns pulsed electric fields on embryonic stem cells. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2011, 18, 1119-1123.	2.9	3
28	Hepatic Differentiation from Murine and Human iPS Cells Using Nanofiber Scaffolds. <i>Methods in Molecular Biology</i> , 2014, 1357, 475-483.	0.9	2
29	Hepatic Differentiation from Human Ips Cells Using M15 Cells. <i>Methods in Molecular Biology</i> , 2014, 1357, 375-381.	0.9	2
30	Definitive Endoderm Differentiation of Human Embryonic Stem Cells Combined with Selective Elimination of Undifferentiated Cells by Methionine Deprivation. <i>Methods in Molecular Biology</i> , 2015, 1341, 173-180.	0.9	1
31	Pancreatic Differentiation from Murine Embryonic Stem Cells. <i>Methods in Molecular Biology</i> , 2015, 1341, 417-423.	0.9	1
32	Detailed analysis at a single-cell level of cells undergoing pancreatic differentiation. <i>Journal of Diabetes Investigation</i> , 2020, 11, 20-21.	2.4	0