

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	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
2	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
3	Recent progress in pancreatic islet cell therapy. <i>Inflammation and Regeneration</i> , 2021, 41, 1.	3.7	9
4	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
5	VMAT2 Safeguards β -Cells Against Dopamine Cytotoxicity Under High-Fat Diet-Induced Stress. <i>Diabetes</i> , 2020, 69, 2377-2391.	0.6	11
6	Collagen vitrigel promotes hepatocytic differentiation of induced pluripotent stem cells into functional hepatocyte-like cells. <i>Biology Open</i> , 2019, 8, .	1.2	18
7	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
8	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
9	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
10	Dopamine D2 Receptor-Mediated Regulation of Pancreatic β Cell Mass. <i>Stem Cell Reports</i> , 2016, 7, 95-109.	4.8	24
11	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
12	Pancreatic Differentiation from Murine Embryonic Stem Cells. <i>Methods in Molecular Biology</i> , 2015, 1341, 417-423.	0.9	1
13	VMAT2 identified as a regulator of late-stage β -cell differentiation. <i>Nature Chemical Biology</i> , 2014, 10, 141-148.	8.0	63
14	Hepatic Differentiation from Murine and Human iPS Cells Using Nanofiber Scaffolds. <i>Methods in Molecular Biology</i> , 2014, 1357, 475-483.	0.9	2
15	Hepatic Differentiation from Human Ips Cells Using M15 Cells. <i>Methods in Molecular Biology</i> , 2014, 1357, 375-381.	0.9	2
16	Methionine Metabolism Regulates Maintenance and Differentiation of Human Pluripotent Stem Cells. <i>Cell Metabolism</i> , 2014, 19, 780-794.	16.2	421
17	Generation of insulin-producing β -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
18	Generation of familial amyloidotic polyneuropathy-specific induced pluripotent stem cells. <i>Stem Cell Research</i> , 2014, 12, 574-583.	0.7	11

#	ARTICLE	IF	CITATIONS
19	Profiling of Embryonic Stem Cell Differentiation. Review of Diabetic Studies, 2014, 11, 102-114.	1.3	17
20	Beneficial Effect of Insulin Treatment on Islet Transplantation Outcomes in Akita Mice. PLoS ONE, 2014, 9, e95451.	2.5	14
21	Albumin gene targeting in human embryonic stem cells and induced pluripotent stem cells with helper-dependent adenoviral vector to monitor hepatic differentiation. Stem Cell Research, 2013, 10, 179-194.	0.7	25
22	Wnt and Notch Signals Guide Embryonic Stem Cell Differentiation into the Intestinal Lineages. Stem Cells, 2013, 31, 1086-1096.	3.2	86
23	A synthetic nanofibrillar matrix promotes in vitro hepatic differentiation of embryonic stem cells and induced pluripotent stem cells. Journal of Cell Science, 2013, 126, 5391-9.	2.0	31
24	Influence of 60 ns pulsed electric fields on embryonic stem cells. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 1119-1123.	2.9	3
25	Efficient Differentiation of Embryonic Stem Cells into Hepatic Cells In Vitro Using a Feeder-Free Basement Membrane Substratum. PLoS ONE, 2011, 6, e24228.	2.5	48
26	Embryonic and adult stem cell systems in mammals: Ontology and regulation. Development Growth and Differentiation, 2010, 52, 115-129.	1.5	21
27	Synthesized basement membranes direct the differentiation of mouse embryonic stem cells into pancreatic lineages. Journal of Cell Science, 2010, 123, 2733-2742.	2.0	64
28	Identification of DAF1/CD55, a Novel Definitive Endoderm Marker. Cell Structure and Function, 2010, 35, 73-80.	1.1	14
29	Differentiation and characterization of embryonic stem cells into three germ layers. Biochemical and Biophysical Research Communications, 2009, 381, 694-699.	2.1	31
30	Guided Differentiation of Embryonic Stem Cells into Pdx1-Expressing Regional-Specific Definitive Endoderm. Stem Cells, 2008, 26, 874-885.	3.2	96
31	Differentiation of mouse and human embryonic stem cells into hepatic lineages. Genes To Cells, 2008, 13, 731-746.	1.2	103
32	TGF- β 2 signaling potentiates differentiation of embryonic stem cells to Pdx-1 expressing endodermal cells. Genes To Cells, 2005, 10, 503-516.	1.2	28