

Miho K Furue

List of Publications by Year in descending order

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44
papers

2,240
citations

279487

23
h-index

276539

41
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44
all docs

44
docs citations

44
times ranked

2721
citing authors

#	ARTICLE	IF	CITATIONS
1	3D spheroid culture of hESC/hiPSC-derived hepatocyte-like cells for drug toxicity testing. <i>Biomaterials</i> , 2013, 34, 1781-1789.	5.7	247
2	Heparin promotes the growth of human embryonic stem cells in a defined serum-free medium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13409-13414.	3.3	220
3	Efficient Generation of Functional Hepatocytes From Human Embryonic Stem Cells and Induced Pluripotent Stem Cells by HNF4 β Transduction. <i>Molecular Therapy</i> , 2012, 20, 127-137.	3.7	219
4	Integrins Regulate Mouse Embryonic Stem Cell Self-Renewal. <i>Stem Cells</i> , 2007, 25, 3005-3015.	1.4	195
5	Generation of metabolically functioning hepatocytes from human pluripotent stem cells by FOXA2 and HNF1 β transduction. <i>Journal of Hepatology</i> , 2012, 57, 628-636.	1.8	144
6	Efficient Generation of Hepatoblasts From Human ES Cells and iPS Cells by Transient Overexpression of Homeobox Gene HEX. <i>Molecular Therapy</i> , 2011, 19, 400-407.	3.7	107
7	The promotion of hepatic maturation of human pluripotent stem cells in 3D co-culture using type I collagen and Swiss 3T3 cell sheets. <i>Biomaterials</i> , 2012, 33, 4526-4534.	5.7	99
8	BMP4 induction of trophoblast from mouse embryonic stem cells in defined culture conditions on laminin. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2010, 46, 416-430.	0.7	70
9	Growth factor-defined culture medium for human mesenchymal stem cells. <i>International Journal of Developmental Biology</i> , 2011, 55, 181-187.	0.3	69
10	Inhibition of ERK1/2 prevents neural and mesendodermal differentiation and promotes human embryonic stem cell self-renewal. <i>Stem Cell Research</i> , 2010, 5, 157-169.	0.3	67
11	Parametric analysis of colony morphology of non-labelled live human pluripotent stem cells for cell quality control. <i>Scientific Reports</i> , 2016, 6, 34009.	1.6	66
12	A novel antibody for human induced pluripotent stem cells and embryonic stem cells recognizes a type of keratan sulfate lacking oversulfated structures. <i>Glycobiology</i> , 2013, 23, 322-336.	1.3	64
13	Protein Kinase C Regulates Human Pluripotent Stem Cell Self-Renewal. <i>PLoS ONE</i> , 2013, 8, e54122.	1.1	60
14	LEUKEMIA INHIBITORY FACTOR AS AN ANTI-APOPTOTIC MITOGEN FOR PLURIPOTENT MOUSE EMBRYONIC STEM CELLS IN A SERUM-FREE MEDIUM WITHOUT FEEDER CELLS. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2005, 41, 19.	0.7	59
15	Efficient and Directive Generation of Two Distinct Endoderm Lineages from Human ESCs and iPSCs by Differentiation Stage-Specific SOX17 Transduction. <i>PLoS ONE</i> , 2011, 6, e21780.	1.1	51
16	Reduction of N-Glycolylneuraminic Acid in Human Induced Pluripotent Stem Cells Generated or Cultured under Feeder- and Serum-Free Defined Conditions. <i>PLoS ONE</i> , 2010, 5, e14099.	1.1	48
17	Bone morphogenetic protein 4 promotes craniofacial neural crest induction from human pluripotent stem cells. <i>International Journal of Developmental Biology</i> , 2016, 60, 21-28.	0.3	34
18	Pluripotent Stem Cell Heterogeneity. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1123, 71-94.	0.8	34

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19	Biological Effects of Culture Substrates on Human Pluripotent Stem Cells. <i>Stem Cells International</i> , 2016, 2016, 1-11.	1.2	33
20	Enzyme-free Passage of Human Pluripotent Stem Cells by Controlling Divalent Cations. <i>Scientific Reports</i> , 2014, 4, 4646.	1.6	31
21	Induction of neural crest cells from mouse embryonic stem cells in a serum-free monolayer culture. <i>International Journal of Developmental Biology</i> , 2010, 54, 1287-1294.	0.3	30
22	Adenovirus Vector-Mediated Efficient Transduction into Human Embryonic and Induced Pluripotent Stem Cells. <i>Cellular Reprogramming</i> , 2010, 12, 501-507.	0.5	29
23	Nonlinear partial differential equations and applications: Activin A induces craniofacial cartilage from undifferentiated <i>Xenopus</i> ectoderm in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15474-15479.	3.3	25
24	Effects of hepatocyte growth factor (HGF) and activin a on the morphogenesis of rat submandibular gland-derived epithelial cells in serum-free collagen gel culture. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1999, 35, 131-135.	0.7	23
25	Development of a Monitoring Method for Nonlabeled Human Pluripotent Stem Cell Growth by Time-Lapse Image Analysis. <i>Stem Cells Translational Medicine</i> , 2015, 4, 720-730.	1.6	23
26	Protein Kinase C-Induced Early Growth Response Protein-1 Binding to <i>SNAIL</i> Promoter in Epithelial-Mesenchymal Transition of Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2014, 23, 2180-2189.	1.1	22
27	Prediction of Differentiation Tendency Toward Hepatocytes from Gene Expression in Undifferentiated Human Pluripotent Stem Cells. <i>Stem Cells and Development</i> , 2016, 25, 1884-1897.	1.1	21
28	A Cytotoxic Antibody Recognizing Lacto-N-fucopentaose I (LNFP I) on Human Induced Pluripotent Stem (hiPS) Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 20071-20085.	1.6	20
29	Advantages and difficulties in culturing human pluripotent stem cells in growth factor-defined serum-free medium. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2010, 46, 573-576.	0.7	19
30	HHEX Promotes Hepatic-Lineage Specification through the Negative Regulation of Eomesodermin. <i>PLoS ONE</i> , 2014, 9, e90791.	1.1	19
31	Long-term serial cultivation of mouse induced pluripotent stem cells in serum-free and feeder-free defined medium. <i>International Journal of Developmental Biology</i> , 2013, 57, 715-724.	0.3	18
32	Primitive neuroectodermal tumor cell lines derived from a metastatic pediatric tumor. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1994, 30, 813-816.	0.7	14
33	Isolation and expansion of human pluripotent stem cell-derived hepatic progenitor cells by growth factor defined serum-free culture conditions. <i>Experimental Cell Research</i> , 2017, 352, 333-345.	1.2	14
34	Hepatocyte growth factor regulates activin β 2A mRNA in submandibular gland. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1998, 34, 520-523.	0.7	8
35	Synergistic effects of FGF-2 and Activin A on early neural differentiation of human pluripotent stem cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 769-775.	0.7	8
36	A Simple Method for Labeling Human Embryonic Stem Cells Destined to Lose Undifferentiated Potency. <i>Stem Cells Translational Medicine</i> , 2016, 5, 275-281.	1.6	8

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37	ISOLEUCINE PREVENTS RAT SALIVARY GLAND EPITHELIAL CELLS FROM APOPTOSIS IN SERUM-FREE CULTURE. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2000, 36, 287.	0.7	5
38	Imaging-cytometry revealed spatial heterogeneities of marker expression in undifferentiated human pluripotent stem cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017, 53, 83-91.	0.7	5
39	High cell density suppresses BMP4-induced differentiation of human pluripotent stem cells to produce macroscopic spatial patterning in a unidirectional perfusion culture chamber. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 379-388.	1.1	5
40	Isolation of Pluripotential Stem Cells from <i>Xenopus</i> Embryos. , 2004, , 483-492.		4
41	Monolayer Culture Condition for Mouse Embryonic Stem Cells Differentiation into Neural Crest Cells (Method). , 2012, , 233-240.		1
42	A morphology-based assay platform for neuroepithelial-like cells differentiated from human pluripotent stem cells. <i>International Journal of Developmental Biology</i> , 2018, 62, 613-621.	0.3	1
43	Neural Crest Cell Models of Development and Toxicity: Cytotoxicity Assay Using Human Pluripotent Stem Cell-Derived Cranial Neural Crest Cell Model. <i>Methods in Molecular Biology</i> , 2019, 1965, 35-48.	0.4	1
44	Cytotoxicity assay using a human pluripotent stem cell-derived cranial neural crest cell model. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2020, 56, 505-510.	0.7	0