

Miho K Furue

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

1,857
citations

20
h-index

43
g-index

44
ext. papers

2,055
ext. citations

4.6
avg. IF

4.05
L-index

#	Paper	IF	Citations
44	3D spheroid culture of hESC/hiPSC-derived hepatocyte-like cells for drug toxicity testing. <i>Biomaterials</i> , 2013 , 34, 1781-9	15.6	209
43	Efficient generation of functional hepatocytes from human embryonic stem cells and induced pluripotent stem cells by HNF4 α transduction. <i>Molecular Therapy</i> , 2012 , 20, 127-37	11.7	196
42	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, 13409-14	11.5	189
41	Integrins regulate mouse embryonic stem cell self-renewal. <i>Stem Cells</i> , 2007 , 25, 3005-15	5.8	172
40	Generation of metabolically functioning hepatocytes from human pluripotent stem cells by FOXA2 and HNF1 α transduction. <i>Journal of Hepatology</i> , 2012 , 57, 628-36	13.4	126
39	Efficient generation of hepatoblasts from human ES cells and iPS cells by transient overexpression of homeobox gene HEX. <i>Molecular Therapy</i> , 2011 , 19, 400-7	11.7	92
38	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, 4526-34	15.6	85
37	Growth factor-defined culture medium for human mesenchymal stem cells. <i>International Journal of Developmental Biology</i> , 2011 , 55, 181-7	1.9	58
36	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, 416-30	2.6	57
35	Inhibition of ERK1/2 prevents neural and mesendodermal differentiation and promotes human embryonic stem cell self-renewal. <i>Stem Cell Research</i> , 2010 , 5, 157-69	1.6	57
34	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, 19-28	2.6	52
33	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, 322-36	5.8	50
32	Protein kinase C regulates human pluripotent stem cell self-renewal. <i>PLoS ONE</i> , 2013 , 8, e54122	3.7	50
31	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	3.7	45
30	Parametric analysis of colony morphology of non-labelled live human pluripotent stem cells for cell quality control. <i>Scientific Reports</i> , 2016 , 6, 34009	4.9	43
29	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	3.7	41
28	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, 1287-94	1.9	24

27	Enzyme-free passage of human pluripotent stem cells by controlling divalent cations. <i>Scientific Reports</i> , 2014 , 4, 4646	4.9	23
26	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, 15474-9	11.5	21
25	Bone morphogenetic protein 4 promotes craniofacial neural crest induction from human pluripotent stem cells. <i>International Journal of Developmental Biology</i> , 2016 , 60, 21-8	1.9	21
24	Adenovirus vector-mediated efficient transduction into human embryonic and induced pluripotent stem cells. <i>Cellular Reprogramming</i> , 2010 , 12, 501-7	2.1	20
23	Protein kinase C-induced early growth response protein-1 binding to SNAIL promoter in epithelial-mesenchymal transition of human embryonic stem cells. <i>Stem Cells and Development</i> , 2014 , 23, 2180-9	4.4	19
22	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, 131-5	2.6	19
21	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, 573-6	2.6	18
20	Biological Effects of Culture Substrates on Human Pluripotent Stem Cells. <i>Stem Cells International</i> , 2016 , 2016, 5380560	5	18
19	Pluripotent Stem Cell Heterogeneity. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1123, 71-94	3.6	17
18	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, 720-30	6.9	17
17	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, 20071-85	5.4	16
16	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, 715-24	1.9	15
15	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	4.4	14
14	Primitive neuroectodermal tumor cell lines derived from a metastatic pediatric tumor. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1994 , 30A, 813-6	2.6	12
13	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	4.2	11
12	HHEX promotes hepatic-lineage specification through the negative regulation of eomesodermin. <i>PLoS ONE</i> , 2014 , 9, e90791	3.7	10
11	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, 769-75	2.6	8
10	Hepatocyte growth factor regulates activin betaA mRNA in submandibular gland. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1998 , 34, 520-3	2.6	7

9	A Simple Method for Labeling Human Embryonic Stem Cells Destined to Lose Undifferentiated Potency. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 275-81	6.9	7
8	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	2.6	5
7	Isoleucine prevents rat salivary gland epithelial cells from apoptosis in serum-free culture. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2000 , 36, 287-9	2.6	5
6	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	3.3	3
5	Isolation of Pluripotential Stem Cells from <i>Xenopus</i> Embryos 2004 , 483-492		3
4	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	1.4	1
3	Monolayer Culture Condition for Mouse Embryonic Stem Cells Differentiation into Neural Crest Cells (Method) 2012 , 233-240		1
2	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	1.9	0
1	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	2.6	