

Kazutoshi Takahashi

List of Publications by Year in Descending Order

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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.

74
papers

49,031
citations

45
h-index

93
g-index

93
ext. papers

55,231
ext. citations

13.7
avg, IF

7.82
L-index

#	Paper	IF	Citations
74	A stress-reduced passaging technique improves the viability of human pluripotent cells.. <i>Cell Reports Methods</i> , 2022 , 2, 100155		
73	Multi-omics approach reveals posttranscriptionally regulated genes are essential for human pluripotent stem cells.. <i>IScience</i> , 2022 , 25, 104289	6.1	0
72	Dual inhibition of TMPRSS2 and Cathepsin B prevents SARS-CoV-2 infection in iPSC cells. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 26, 1107-1114	10.7	5
71	The pluripotent stem cell-specific transcript ESGR is dispensable for human pluripotency. <i>PLoS Genetics</i> , 2021 , 17, e1009587	6	5
70	Critical Roles of Translation Initiation and RNA Uridylation in Endogenous Retroviral Expression and Neural Differentiation in Pluripotent Stem Cells. <i>Cell Reports</i> , 2020 , 31, 107715	10.6	12
69	Induced Pluripotent Stem Cells and Their Use in Human Models of Disease and Development. <i>Physiological Reviews</i> , 2019 , 99, 79-114	47.9	111
68	MYC Releases Early Reprogrammed Human Cells from Proliferation Pause via Retinoblastoma Protein Inhibition. <i>Cell Reports</i> , 2018 , 23, 361-375	10.6	13
67	Assessment of established techniques to determine developmental and malignant potential of human pluripotent stem cells. <i>Nature Communications</i> , 2018 , 9, 1925	17.4	45
66	Nat1 promotes translation of specific proteins that induce differentiation of mouse embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 340-345	11.5	43
65	Identification of MMP1 as a novel risk factor for intracranial aneurysms in ADPKD using iPSC models. <i>Scientific Reports</i> , 2016 , 6, 30013	4.9	26
64	A decade of transcription factor-mediated reprogramming to pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 183-93	48.7	468
63	Impaired adipogenic capacity in induced pluripotent stem cells from lipodystrophic patients with BSCL2 mutations. <i>Metabolism: Clinical and Experimental</i> , 2016 , 65, 543-56	12.7	22
62	Robust In Vitro Induction of Human Germ Cell Fate from Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2015 , 17, 178-94	18	276
61	Present and future challenges of induced pluripotent stem cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20140367	5.8	61
60	A developmental framework for induced pluripotency. <i>Development (Cambridge)</i> , 2015 , 142, 3274-85	6.6	81
59	Cell Therapy Using Human Induced Pluripotent Stem Cell-Derived Renal Progenitors Ameliorates Acute Kidney Injury in Mice. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 980-92	6.9	103
58	Involvement of ER Stress in Dysmyelination of Pelizaeus-Merzbacher Disease with PLP1 Missense Mutations Shown by iPSC-Derived Oligodendrocytes. <i>Stem Cell Reports</i> , 2015 , 4, 170	8	78

57	Induction of pluripotency in human somatic cells via a transient state resembling primitive streak-like mesendoderm. <i>Nature Communications</i> , 2014 , 5, 3678	17.4	93
56	Cellular reprogramming. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014 , 6,	10.2	17
55	The let-7/LIN-41 pathway regulates reprogramming to human induced pluripotent stem cells by controlling expression of prodifferentiation genes. <i>Cell Stem Cell</i> , 2014 , 14, 40-52	18	151
54	Dynamic regulation of human endogenous retroviruses mediates factor-induced reprogramming and differentiation potential. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12426-31	11.5	157
53	Involvement of ER stress in dysmyelination of Pelizaeus-Merzbacher Disease with PLP1 missense mutations shown by iPSC-derived oligodendrocytes. <i>Stem Cell Reports</i> , 2014 , 2, 648-61	8	84
52	Induction of pluripotency by defined factors. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2014 , 90, 83-96	4	26
51	The homeobox gene DLX4 promotes generation of human induced pluripotent stem cells. <i>Scientific Reports</i> , 2014 , 4, 7283	4.9	16
50	Maturation, not initiation, is the major roadblock during reprogramming toward pluripotency from human fibroblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 12172-9	11.5	99
49	Monitoring and robust induction of nephrogenic intermediate mesoderm from human pluripotent stem cells. <i>Nature Communications</i> , 2013 , 4, 1367	17.4	229
48	Modeling Alzheimer's disease with iPSCs reveals stress phenotypes associated with intracellular A β and differential drug responsiveness. <i>Cell Stem Cell</i> , 2013 , 12, 487-96	18	539
47	Induced Pluripotent Stem Cells 2013 , 197-218		
46	Cartilage tissue engineering identifies abnormal human induced pluripotent stem cells. <i>Scientific Reports</i> , 2013 , 3, 1978	4.9	35
45	Induced pluripotent stem cells in medicine and biology. <i>Development (Cambridge)</i> , 2013 , 140, 2457-61	6.6	179
44	Response to comment on "Drug screening for ALS using patient-specific induced pluripotent stem cells". <i>Science Translational Medicine</i> , 2013 , 5, 188lr2	17.5	3
43	Differentiation-defective phenotypes revealed by large-scale analyses of human pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20569-74	11.5	159
42	Induced pluripotent stem cells from CINCA syndrome patients as a model for dissecting somatic mosaicism and drug discovery. <i>Blood</i> , 2012 , 120, 1299-308	2.2	45
41	Cellular reprogramming--lowering gravity on Waddington's epigenetic landscape. <i>Journal of Cell Science</i> , 2012 , 125, 2553-60	5.3	35
40	Drug screening for ALS using patient-specific induced pluripotent stem cells. <i>Science Translational Medicine</i> , 2012 , 4, 145ra104	17.5	390

39	Derivation conditions impact X-inactivation status in female human induced pluripotent stem cells. <i>Cell Stem Cell</i> , 2012 , 11, 91-9	18	94
38	Induced Pluripotent Stem Cells 2011 , 187-205		
37	Anti-Aβ drug screening platform using human iPS cell-derived neurons for the treatment of Alzheimer's disease. <i>PLoS ONE</i> , 2011 , 6, e25788	3.7	134
36	ECAT11/L1td1 is enriched in ESCs and rapidly activated during iPSC generation, but it is dispensable for the maintenance and induction of pluripotency. <i>PLoS ONE</i> , 2011 , 6, e20461	3.7	15
35	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. <i>Nature Biotechnology</i> , 2011 , 29, 1132-44	44.5	406
34	Induction and enhancement of cardiac cell differentiation from mouse and human induced pluripotent stem cells with cyclosporin-A. <i>PLoS ONE</i> , 2011 , 6, e16734	3.7	100
33	Derivation of Human Induced Pluripotent Stem Cells on Autologous Feeders. <i>Springer Protocols</i> , 2011 , 161-171	0.3	
32	Generation of mouse-induced pluripotent stem cells with plasmid vectors. <i>Nature Protocols</i> , 2010 , 5, 418-28	18.8	174
31	Direct reprogramming 101. <i>Development Growth and Differentiation</i> , 2010 , 52, 319-33	3	15
30	Transient activation of c-MYC expression is critical for efficient platelet generation from human induced pluripotent stem cells. <i>Journal of Experimental Medicine</i> , 2010 , 207, 2817-30	16.6	255
29	Complete genetic correction of ips cells from Duchenne muscular dystrophy. <i>Molecular Therapy</i> , 2010 , 18, 386-93	11.7	202
28	Dental pulp cells for induced pluripotent stem cell banking. <i>Journal of Dental Research</i> , 2010 , 89, 773-8	8.1	176
27	Sirt1 plays an important role in mediating greater functionality of human ES/iPS-derived vascular endothelial cells. <i>Atherosclerosis</i> , 2010 , 212, 42-7	3.1	41
26	Transient activation of c-MYC expression is critical for efficient platelet generation from human induced pluripotent stem cells. <i>Journal of Cell Biology</i> , 2010 , 191, i11-i11	7.3	1
25	Induction and isolation of vascular cells from human induced pluripotent stem cells--brief report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1100-3	9.4	162
24	Adipogenic differentiation of human induced pluripotent stem cells: comparison with that of human embryonic stem cells. <i>FEBS Letters</i> , 2009 , 583, 1029-33	3.8	124
23	Orderly hematopoietic development of induced pluripotent stem cells via Flk-1(+) hemoangiogenic progenitors. <i>Journal of Cellular Physiology</i> , 2009 , 221, 367-77	7	32
22	Characterization of dendritic cells and macrophages generated by directed differentiation from mouse induced pluripotent stem cells. <i>Stem Cells</i> , 2009 , 27, 1021-31	5.8	89

21	Roles of Sall4 in the generation of pluripotent stem cells from blastocysts and fibroblasts. <i>Genes To Cells</i> , 2009 , 14, 683-94	2.3	113
20	Suppression of induced pluripotent stem cell generation by the p53-p21 pathway. <i>Nature</i> , 2009 , 460, 1132-5	50.4	1073
19	Variation in the safety of induced pluripotent stem cell lines. <i>Nature Biotechnology</i> , 2009 , 27, 743-5	44.5	702
18	Hypoxia enhances the generation of induced pluripotent stem cells. <i>Cell Stem Cell</i> , 2009 , 5, 237-41	18	608
17	Generation of retinal cells from mouse and human induced pluripotent stem cells. <i>Neuroscience Letters</i> , 2009 , 458, 126-31	3.3	354
16	Generation and characterization of human induced pluripotent stem cells. <i>Current Protocols in Stem Cell Biology</i> , 2009 , Chapter 4, Unit 4A.2	2.8	98
15	ERas is expressed in primate embryonic stem cells but not related to tumorigenesis. <i>Cell Transplantation</i> , 2009 , 18, 381-9	4	10
14	Human induced pluripotent stem cells on autologous feeders. <i>PLoS ONE</i> , 2009 , 4, e8067	3.7	79
13	Generation of induced pluripotent stem cells without Myc from mouse and human fibroblasts. <i>Nature Biotechnology</i> , 2008 , 26, 101-6	44.5	2239
12	Generation of pluripotent stem cells from adult mouse liver and stomach cells. <i>Science</i> , 2008 , 321, 699-703	92.3	841
11	Induction of pluripotent stem cells from fibroblast cultures. <i>Nature Protocols</i> , 2007 , 2, 3081-9	18.8	822
10	Induction of pluripotent stem cells from adult human fibroblasts by defined factors. <i>Cell</i> , 2007 , 131, 861-72	57.2	14786
9	Generation of high quality iPS cells. <i>Neuroscience Research</i> , 2007 , 58, S19	2.9	2
8	Identification of genes involved in tumor-like properties of embryonic stem cells. <i>Methods in Molecular Biology</i> , 2006 , 329, 449-58	1.4	27
7	Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors. <i>Cell</i> , 2006 , 126, 663-76	56.2	18363
6	Evolutionarily conserved non-AUG translation initiation in NAT1/p97/DAP5 (EIF4G2). <i>Genomics</i> , 2005 , 85, 360-71	4.3	40
5	Role of the phosphoinositide 3-kinase pathway in mouse embryonic stem (ES) cells. <i>Biochemical Society Transactions</i> , 2005 , 33, 1522-5	5.1	99
4	Differential membrane localization of ERas and Rheb, two Ras-related proteins involved in the phosphatidylinositol 3-kinase/mTOR pathway. <i>Journal of Biological Chemistry</i> , 2005 , 280, 32768-74	5.4	82

3	Role of ERas in promoting tumour-like properties in mouse embryonic stem cells. <i>Nature</i> , 2003 , 423, 541-5	50.4	285
2	The homeoprotein Nanog is required for maintenance of pluripotency in mouse epiblast and ES cells. <i>Cell</i> , 2003 , 113, 631-42	56.2	2547
1	Fbx15 is a novel target of Oct3/4 but is dispensable for embryonic stem cell self-renewal and mouse development. <i>Molecular and Cellular Biology</i> , 2003 , 23, 2699-708	4.8	233