

Shinya Yamanaka

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.

242
papers

74,777
citations

94
h-index

256
g-index

256
ext. papers

84,361
ext. citations

13.1
avg, IF

8.35
L-index

#	Paper	IF	Citations
242	A stress-reduced passaging technique improves the viability of human pluripotent cells.. <i>Cell Reports Methods</i> , 2022 , 2, 100155		
241	Multi-omics approach reveals posttranscriptionally regulated genes are essential for human pluripotent stem cells.. <i>IScience</i> , 2022 , 25, 104289	6.1	0
240	Dual inhibition of TMPRSS2 and Cathepsin B prevents SARS-CoV-2 infection in iPS cells. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 26, 1107-1114	10.7	5
239	Konnichiwa: Japanese scientists and their struggle to speak English: More research careers in Japan need less English. <i>EMBO Reports</i> , 2021 , 22, e52558	6.5	1
238	The pluripotent stem cell-specific transcript ESGR is dispensable for human pluripotency. <i>PLoS Genetics</i> , 2021 , 17, e1009587	6	5
237	Expression dynamics of HAND1/2 in in vitro human cardiomyocyte differentiation. <i>Stem Cell Reports</i> , 2021 , 16, 1906-1922	8	1
236	First-in-human clinical trial of transplantation of iPSC-derived NS/PCs in subacute complete spinal cord injury: Study protocol. <i>Regenerative Therapy</i> , 2021 , 18, 321-333	3.7	17
235	Induced pluripotent stem cell technology: venturing into the second decade 2020 , 435-443		2
234	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
233	Pluripotent Stem Cell-Based Cell Therapy-Promise and Challenges. <i>Cell Stem Cell</i> , 2020 , 27, 523-531	18	170
232	Towards Precision Medicine With Human iPSCs for Cardiac Channelopathies. <i>Circulation Research</i> , 2019 , 125, 653-658	15.7	28
231	Base-Resolution Methylome of Retinal Pigment Epithelial Cells Used in the First Trial of Human Induced Pluripotent Stem Cell-Based Autologous Transplantation. <i>Stem Cell Reports</i> , 2019 , 13, 761-774	8	8
230	Application of induced pluripotent stem cells to primary immunodeficiency diseases. <i>Experimental Hematology</i> , 2019 , 71, 43-50	3.1	5
229	Generation of a human induced pluripotent stem cell line, BRCi001-A, derived from a patient with mucopolysaccharidosis type I. <i>Stem Cell Research</i> , 2019 , 36, 101406	1.6	1
228	Induced 2C Expression and Implantation-Competent Blastocyst-like Cysts from Primed Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2019 , 13, 485-498	8	43
227	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
226	Concise Review: Laying the Groundwork for a First-In-Human Study of an Induced Pluripotent Stem Cell-Based Intervention for Spinal Cord Injury. <i>Stem Cells</i> , 2019 , 37, 6-13	5.8	71

225	MYC Releases Early Reprogrammed Human Cells from Proliferation Pause via Retinoblastoma Protein Inhibition. <i>Cell Reports</i> , 2018 , 23, 361-375	10.6	13
224	Bringing Induced Pluripotent Stem Cell Technology to the Bedside. <i>JMA Journal</i> , 2018 , 1, 6-14	1	5
223	Hybrid Cellular Metabolism Coordinated by Zic3 and Esrrb Synergistically Enhances Induction of Naive Pluripotency. <i>Cell Metabolism</i> , 2017 , 25, 1103-1117.e6	24.6	51
222	Induced Pluripotent Stem Cells 10 Years Later: For Cardiac Applications. <i>Circulation Research</i> , 2017 , 120, 1958-1968	15.7	155
221	The Src/c-Abl pathway is a potential therapeutic target in amyotrophic lateral sclerosis. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	134
220	New Models for Therapeutic Innovation from Japan. <i>EBioMedicine</i> , 2017 , 18, 3-4	8.8	7
219	Autologous Induced Stem-Cell-Derived Retinal Cells for Macular Degeneration. <i>New England Journal of Medicine</i> , 2017 , 376, 1038-1046	59.2	785
218	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
217	Induced pluripotent stem cell technology: a decade of progress. <i>Nature Reviews Drug Discovery</i> , 2017 , 16, 115-130	64.1	701
216	MHC matching improves engraftment of iPSC-derived neurons in non-human primates. <i>Nature Communications</i> , 2017 , 8, 385	17.4	116
215	Enhanced Therapeutic Effects of Human iPSC Cell Derived-Cardiomyocyte by Combined Cell-Sheets with Omental Flap Technique in Porcine Ischemic Cardiomyopathy Model. <i>Scientific Reports</i> , 2017 , 7, 8824	4.9	59
214	Epigenetic foundations of pluripotent stem cells that recapitulate in vivo pluripotency. <i>Laboratory Investigation</i> , 2017 , 97, 1133-1141	5.9	20
213	Structural and spatial chromatin features at developmental gene loci in human pluripotent stem cells. <i>Nature Communications</i> , 2017 , 8, 1616	17.4	6
212	Inducible Transgene Expression in Human iPSC Cells Using Versatile All-in-One piggyBac Transposons. <i>Methods in Molecular Biology</i> , 2016 , 1357, 111-31	1.4	52
211	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
210	Autotaxin-mediated lipid signaling intersects with LIF and BMP signaling to promote the naive pluripotency transcription factor program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 12478-12483	11.5	32
209	Enhanced engraftment, proliferation, and therapeutic potential in heart using optimized human iPSC-derived cardiomyocytes. <i>Scientific Reports</i> , 2016 , 6, 19111	4.9	105
208	BMP-SMAD-ID promotes reprogramming to pluripotency by inhibiting p16/INK4A-dependent senescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13057-13062	11.5	44

207	When MycB asleep, embryonic stem cells are dormant. <i>EMBO Journal</i> , 2016 , 35, 801-2	13	1
206	A decade of transcription factor-mediated reprogramming to pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , 2016 , 17, 183-93	48.7	468
205	Understanding Intracellular Signaling Advances Cardiac Reprogramming Technology Toward Clinical Applications. <i>Circulation Research</i> , 2016 , 118, 377-8	15.7	
204	Recent policies that support clinical application of induced pluripotent stem cell-based regenerative therapies. <i>Regenerative Therapy</i> , 2016 , 4, 36-47	3.7	40
203	Over Expression of NANOS3 and DAZL in Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2016 , 11, e0165268	3.7	13
202	SOX2 O-GlcNAcylation alters its protein-protein interactions and genomic occupancy to modulate gene expression in pluripotent cells. <i>ELife</i> , 2016 , 5, e10647	8.9	42
201	Establishment of Human Neural Progenitor Cells from Human Induced Pluripotent Stem Cells with Diverse Tissue Origins. <i>Stem Cells International</i> , 2016 , 2016, 7235757	5	14
200	Patient-Specific Human Induced Pluripotent Stem Cell Model Assessed with Electrical Pacing Validates S107 as a Potential Therapeutic Agent for Catecholaminergic Polymorphic Ventricular Tachycardia. <i>PLoS ONE</i> , 2016 , 11, e0164795	3.7	46
199	Screening of Human cDNA Library Reveals Two differentiation-Related Genes, HHEX and HLX, as Promoters of Early Phase Reprogramming toward Pluripotency. <i>Stem Cells</i> , 2016 , 34, 2661-2669	5.8	4
198	Efficient CRISPR/Cas9-Based Genome Engineering in Human Pluripotent Stem Cells. <i>Current Protocols in Human Genetics</i> , 2016 , 88, 21.4.1-21.4.23	3.2	12
197	MicroRNA-302 switch to identify and eliminate undifferentiated human pluripotent stem cells. <i>Scientific Reports</i> , 2016 , 6, 32532	4.9	57
196	Epigenetic Variation between Human Induced Pluripotent Stem Cell Lines Is an Indicator of Differentiation Capacity. <i>Cell Stem Cell</i> , 2016 , 19, 341-54	18	127
195	Robust In Vitro Induction of Human Germ Cell Fate from Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2015 , 17, 178-94	18	276
194	KLF4 N-terminal variance modulates induced reprogramming to pluripotency. <i>Stem Cell Reports</i> , 2015 , 4, 727-43	8	27
193	Structure-based discovery of NANOG variant with enhanced properties to promote self-renewal and reprogramming of pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4666-71	11.5	32
192	Direct cardiac reprogramming: progress and challenges in basic biology and clinical applications. <i>Circulation Research</i> , 2015 , 116, 1378-91	15.7	95
191	From Genomics to Gene Therapy: Induced Pluripotent Stem Cells Meet Genome Editing. <i>Annual Review of Genetics</i> , 2015 , 49, 47-70	14.5	89
190	A developmental framework for induced pluripotency. <i>Development (Cambridge)</i> , 2015 , 142, 3274-85	6.6	81

189	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
188	Precise correction of the dystrophin gene in duchenne muscular dystrophy patient induced pluripotent stem cells by TALEN and CRISPR-Cas9. <i>Stem Cell Reports</i> , 2015 , 4, 143-154	8	388
187	Practical Integration-Free Episomal Methods for Generating Human Induced Pluripotent Stem Cells. <i>Current Protocols in Human Genetics</i> , 2015 , 87, 21.2.1-21.2.21	3.2	10
186	Efficient Detection and Purification of Cell Populations Using Synthetic MicroRNA Switches. <i>Cell Stem Cell</i> , 2015 , 16, 699-711	18	140
185	A study on ensuring the quality and safety of pharmaceuticals and medical devices derived from processing of autologous human induced pluripotent stem(-like) cells. <i>Regenerative Therapy</i> , 2015 , 2, 81-94	3.7	9
184	A study on ensuring the quality and safety of pharmaceuticals and medical devices derived from processing of allogeneic human induced pluripotent stem(-Like) cells. <i>Regenerative Therapy</i> , 2015 , 2, 95-108	3.7	8
183	Computational image analysis of colony and nuclear morphology to evaluate human induced pluripotent stem cells. <i>Scientific Reports</i> , 2014 , 4, 6996	4.9	46
182	A novel efficient feeder-free culture system for the derivation of human induced pluripotent stem cells. <i>Scientific Reports</i> , 2014 , 4, 3594	4.9	357
181	Premature termination of reprogramming in vivo leads to cancer development through altered epigenetic regulation. <i>Cell</i> , 2014 , 156, 663-77	56.2	286
180	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
179	iPS cells: a game changer for future medicine. <i>EMBO Journal</i> , 2014 , 33, 409-17	13	301
178	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
177	Cell-autonomous correction of ring chromosomes in human induced pluripotent stem cells. <i>Nature</i> , 2014 , 507, 99-103	50.4	60
176	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
175	Harmonizing standards for producing clinical-grade therapies from pluripotent stem cells. <i>Nature Biotechnology</i> , 2014 , 32, 724-6	44.5	54
174	Calcium transients closely reflect prolonged action potentials in iPSC models of inherited cardiac arrhythmia. <i>Stem Cell Reports</i> , 2014 , 3, 269-81	8	92
173	Focal transplantation of human iPSC-derived glial-rich neural progenitors improves lifespan of ALS mice. <i>Stem Cell Reports</i> , 2014 , 3, 242-9	8	93
172	iPS cell technologies: significance and applications to CNS regeneration and disease. <i>Molecular Brain</i> , 2014 , 7, 22	4.5	162

171 Induced Pluripotent Stem Cells **2014**, 375-385

170	Perspectives for induced pluripotent stem cell technology: new insights into human physiology involved in somatic mosaicism. <i>Circulation Research</i> , 2014 , 114, 505-10	15.7	11
169	The fate of cell reprogramming. <i>Nature Methods</i> , 2014 , 11, 1006-8	21.6	20
168	Expandable megakaryocyte cell lines enable clinically applicable generation of platelets from human induced pluripotent stem cells. <i>Cell Stem Cell</i> , 2014 , 14, 535-48	18	220
167	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
166	A chemical probe that labels human pluripotent stem cells. <i>Cell Reports</i> , 2014 , 6, 1165-1174	10.6	34
165	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
164	The homeobox gene DLX4 promotes generation of human induced pluripotent stem cells. <i>Scientific Reports</i> , 2014 , 4, 7283	4.9	16
163	Delivery of full-length factor VIII using a piggyBac transposon vector to correct a mouse model of hemophilia A. <i>PLoS ONE</i> , 2014 , 9, e104957	3.7	38
162	Rethinking differentiation: stem cells, regeneration, and plasticity. <i>Cell</i> , 2014 , 157, 110-9	56.2	181
161	Efficient and rapid induction of human iPSCs/ESCs into nephrogenic intermediate mesoderm using small molecule-based differentiation methods. <i>PLoS ONE</i> , 2014 , 9, e84881	3.7	86
160	Generation and characterization of induced pluripotent stem cells from Aid-deficient mice. <i>PLoS ONE</i> , 2014 , 9, e94735	3.7	14
159	Donor Recruitment and Eligibility Criteria for HLA-Homozygous iPS Cell Bank in Japan. <i>Pancreatic Islet Biology</i> , 2014 , 67-76	0.4	8
158	Global splicing pattern reversion during somatic cell reprogramming. <i>Cell Reports</i> , 2013 , 5, 357-66	10.6	46
157	Human induced pluripotent stem cell-derived ectodermal precursor cells contribute to hair follicle morphogenesis in vivo. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 1479-88	4.3	50
156	Tsix RNA and the germline factor, PRDM14, link X reactivation and stem cell reprogramming. <i>Molecular Cell</i> , 2013 , 52, 805-18	17.6	79
155	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
154	Induced pluripotent stem cells from patients with human fibrodysplasia ossificans progressiva show increased mineralization and cartilage formation. <i>Orphanet Journal of Rare Diseases</i> , 2013 , 8, 190	4.2	76

153	Monitoring and robust induction of nephrogenic intermediate mesoderm from human pluripotent stem cells. <i>Nature Communications</i> , 2013 , 4, 1367	17.4	229
152	Rapid and deep profiling of human induced pluripotent stem cell proteome by one-shot NanoLC-MS/MS analysis with meter-scale monolithic silica columns. <i>Journal of Proteome Research</i> , 2013 , 12, 214-21	5.6	50
151	Epigenetic regulation in pluripotent stem cells: a key to breaking the epigenetic barrier. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120292	5.8	85
150	Steps toward safe cell therapy using induced pluripotent stem cells. <i>Circulation Research</i> , 2013 , 112, 523-33	15.7	308
149	Direct comparison of autologous and allogeneic transplantation of iPSC-derived neural cells in the brain of a non-human primate. <i>Stem Cell Reports</i> , 2013 , 1, 283-92	8	196
148	Toward the development of a global induced pluripotent stem cell library. <i>Cell Stem Cell</i> , 2013 , 13, 382-418	4.8	188
147	Generation of naive-like porcine-induced pluripotent stem cells capable of contributing to embryonic and fetal development. <i>Stem Cells and Development</i> , 2013 , 22, 473-82	4.4	110
146	Modeling Alzheimer β 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
145	An efficient nonviral method to generate integration-free human-induced pluripotent stem cells from cord blood and peripheral blood cells. <i>Stem Cells</i> , 2013 , 31, 458-66	5.8	451
144	Induced Pluripotent Stem Cells 2013 , 227-235		1
143	Induced Pluripotent Stem Cells 2013 , 197-218		
142	To be immunogenic, or not to be: that's the iPSC question. <i>Cell Stem Cell</i> , 2013 , 12, 385-6	18	62
141	Cartilage tissue engineering identifies abnormal human induced pluripotent stem cells. <i>Scientific Reports</i> , 2013 , 3, 1978	4.9	35
140	The winding road to pluripotency (Nobel Lecture). <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13900-9	16.4	19
139	Induced pluripotent stem cells in medicine and biology. <i>Development (Cambridge)</i> , 2013 , 140, 2457-61	6.6	179
138	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
137	Tudor domain containing 12 (TDRD12) is essential for secondary PIWI interacting RNA biogenesis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16492-7	11.5	64
136	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

135	Ultrastructural maturation of human-induced pluripotent stem cell-derived cardiomyocytes in a long-term culture. <i>Circulation Journal</i> , 2013 , 77, 1307-14	2.9	182
134	Induced Pluripotent Stem Cells 2013 , 1-19		
133	Auf verschlungenen Pfaden zur Pluripotenz (Nobel-Aufsatz). <i>Angewandte Chemie</i> , 2013 , 125, 14146-14156		
132	Donor-dependent variations in hepatic differentiation from human-induced pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12538-43	11.5	231
131	Model for long QT syndrome type 2 using human iPS cells demonstrates arrhythmogenic characteristics in cell culture. <i>DMM Disease Models and Mechanisms</i> , 2012 , 5, 220-30	4.1	228
130	Induced pluripotent stem cells: past, present, and future. <i>Cell Stem Cell</i> , 2012 , 10, 678-684	18	564
129	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
128	Germline development from human pluripotent stem cells toward disease modeling of infertility. <i>Fertility and Sterility</i> , 2012 , 97, 1250-9	4.8	39
127	Human Induced Pluripotent Stem Cell Generation 2012 , 143-163		
126	Integration-Free Method for the Generation of Human Induced Pluripotent Stem Cells 2012 , 165-173		
125	Methods for Evaluating Human Induced Pluripotent Stem Cells 2012 , 175-184		
124	Pre-evaluated safe human iPSC-derived neural stem cells promote functional recovery after spinal cord injury in common marmoset without tumorigenicity. <i>PLoS ONE</i> , 2012 , 7, e52787	3.7	217
123	Function of Myc for Generation of Induced Pluripotent Stem Cells 2012 , 79-85		2
122	Drug screening for ALS using patient-specific induced pluripotent stem cells. <i>Science Translational Medicine</i> , 2012 , 4, 145ra104	17.5	390
121	Stem cells assessed. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 471-6	48.7	25
120	Derivation conditions impact X-inactivation status in female human induced pluripotent stem cells. <i>Cell Stem Cell</i> , 2012 , 11, 91-9	18	94
119	Bioengineered myocardium derived from induced pluripotent stem cells improves cardiac function and attenuates cardiac remodeling following chronic myocardial infarction in rats. <i>Stem Cells Translational Medicine</i> , 2012 , 1, 430-7	6.9	62
118	Specific lectin biomarkers for isolation of human pluripotent stem cells identified through array-based glycomic analysis. <i>Cell Research</i> , 2011 , 21, 1551-63	24.7	71

117	iPS cells: a source of cardiac regeneration. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 327-32	5.8	129
116	The nomenclature system should be sustainable, but also practical. <i>Cell Stem Cell</i> , 2011 , 8, 606-7	18	2
115	Induced Pluripotent Stem Cells 2011 , 187-205		
114	Anti-A β drug screening platform using human iPS cell-derived neurons for the treatment of Alzheimer β disease. <i>PLoS ONE</i> , 2011 , 6, e25788	3.7	134
113	Induced Pluripotent Stem Cells 2011 , 241-252		1
112	Induced Pluripotent Stem Cells 2011 , 203-215		1
111	Generation of human melanocytes from induced pluripotent stem cells. <i>PLoS ONE</i> , 2011 , 6, e16182	3.7	84
110	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
109	Efficient and scalable purification of cardiomyocytes from human embryonic and induced pluripotent stem cells by VCAM1 surface expression. <i>PLoS ONE</i> , 2011 , 6, e23657	3.7	234
108	Integration-free iPS cells engineered using human artificial chromosome vectors. <i>PLoS ONE</i> , 2011 , 6, e25961	3.7	58
107	A more efficient method to generate integration-free human iPS cells. <i>Nature Methods</i> , 2011 , 8, 409-12	21.6	1358
106	Direct reprogramming of somatic cells is promoted by maternal transcription factor Glis1. <i>Nature</i> , 2011 , 474, 225-9	50.4	304
105	Modeling familial Alzheimer β disease with induced pluripotent stem cells. <i>Human Molecular Genetics</i> , 2011 , 20, 4530-9	5.6	443
104	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
103	Induced pluripotent stem cells: opportunities and challenges. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011 , 366, 2198-207	5.8	191
102	Grafted human-induced pluripotent stem-cell-derived neurospheres promote motor functional recovery after spinal cord injury in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16825-30	11.5	388
101	Essential roles of ECAT15-2/Dppa2 in functional lung development. <i>Molecular and Cellular Biology</i> , 2011 , 31, 4366-78	4.8	32
100	Immunogenicity of induced pluripotent stem cells. <i>Circulation Research</i> , 2011 , 109, 720-1	15.7	95

99	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
98	Nuclear reprogramming to a pluripotent state by three approaches. <i>Nature</i> , 2010 , 465, 704-12	50.4	579
97	Genome-wide DNA methylation profile of tissue-dependent and differentially methylated regions (T-DMRs) residing in mouse pluripotent stem cells. <i>Genes To Cells</i> , 2010 , 15, 607-18	2.3	26
96	Generation of mouse-induced pluripotent stem cells with plasmid vectors. <i>Nature Protocols</i> , 2010 , 5, 418-28	18.8	174
95	miRNAs regulate SIRT1 expression during mouse embryonic stem cell differentiation and in adult mouse tissues. <i>Aging</i> , 2010 , 2, 415-31	5.6	193
94	Induced pluripotent stem cell-derived hepatocytes have the functional and proliferative capabilities needed for liver regeneration in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 3120-6	15.9	139
93	Gingival fibroblasts as a promising source of induced pluripotent stem cells. <i>PLoS ONE</i> , 2010 , 5, e12743	3.7	118
92	Cell line-dependent differentiation of induced pluripotent stem cells into cardiomyocytes in mice. <i>Cardiovascular Research</i> , 2010 , 88, 314-23	9.9	58
91	Therapeutic potential of appropriately evaluated safe-induced pluripotent stem cells for spinal cord injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12704-9	11.5	420
90	Recent stem cell advances: induced pluripotent stem cells for disease modeling and stem cell-based regeneration. <i>Circulation</i> , 2010 , 122, 80-7	16.7	149
89	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
88	Reprogramming of somatic cells to pluripotency. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 695, 215-24	3.6	12
87	Generation of skeletal muscle stem/progenitor cells from murine induced pluripotent stem cells. <i>FASEB Journal</i> , 2010 , 24, 2245-53	0.9	133
86	Complete genetic correction of ips cells from Duchenne muscular dystrophy. <i>Molecular Therapy</i> , 2010 , 18, 386-93	11.7	202
85	Patient-specific pluripotent stem cells become even more accessible. <i>Cell Stem Cell</i> , 2010 , 7, 1-2	18	71
84	Promotion of direct reprogramming by transformation-deficient Myc. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 14152-7	11.5	297
83	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
82	Induction of primordial germ cells from mouse induced pluripotent stem cells derived from adult hepatocytes. <i>Molecular Reproduction and Development</i> , 2010 , 77, 802-11	2.6	62

81	Induction of pluripotency by defined factors. <i>Experimental Cell Research</i> , 2010 , 316, 2565-70	4.2	66
80	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
79	G(i)-coupled GPCR signaling controls the formation and organization of human pluripotent colonies. <i>PLoS ONE</i> , 2009 , 4, e7780	3.7	24
78	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
77	Defining developmental potency and cell lineage trajectories by expression profiling of differentiating mouse embryonic stem cells. <i>DNA Research</i> , 2009 , 16, 73-80	4.5	31
76	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
75	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
74	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
73	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
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2	Induced pluripotent stem cells ¹⁹⁻³³		
1	Implantation-Competent Blastocyst-Like Structures from Mouse Pluripotent Stem Cells		3