

Shinya Yamanaka

List of Publications by Year in descending order

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245
papers

91,285
citations

1994

101
h-index

1254

226
g-index

257
all docs

257
docs citations

257
times ranked

56065
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of Pluripotent Stem Cells from Mouse Embryonic and Adult Fibroblast Cultures by Defined Factors. <i>Cell</i> , 2006, 126, 663-676.	28.9	22,649
2	Induction of Pluripotent Stem Cells from Adult Human Fibroblasts by Defined Factors. <i>Cell</i> , 2007, 131, 861-872.	28.9	17,969
3	Generation of germline-competent induced pluripotent stem cells. <i>Nature</i> , 2007, 448, 313-317.	27.8	4,019
4	The Homeoprotein Nanog Is Required for Maintenance of Pluripotency in Mouse Epiblast and ES Cells. <i>Cell</i> , 2003, 113, 631-642.	28.9	2,892
5	Generation of induced pluripotent stem cells without Myc from mouse and human fibroblasts. <i>Nature Biotechnology</i> , 2008, 26, 101-106.	17.5	2,583
6	Generation of Mouse Induced Pluripotent Stem Cells Without Viral Vectors. <i>Science</i> , 2008, 322, 949-953.	12.6	1,857
7	A more efficient method to generate integration-free human iPS cells. <i>Nature Methods</i> , 2011, 8, 409-412.	19.0	1,736
8	Suppression of induced pluripotent stem cell generation by the p53-p21 pathway. <i>Nature</i> , 2009, 460, 1132-1135.	27.8	1,220
9	Autologous Induced Stem-Cell-Derived Retinal Cells for Macular Degeneration. <i>New England Journal of Medicine</i> , 2017, 376, 1038-1046.	27.0	1,121
10	Induced pluripotent stem cell technology: a decade of progress. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 115-130.	46.4	1,076
11	Generation of Pluripotent Stem Cells from Adult Mouse Liver and Stomach Cells. <i>Science</i> , 2008, 321, 699-702.	12.6	967
12	Induction of pluripotent stem cells from fibroblast cultures. <i>Nature Protocols</i> , 2007, 2, 3081-3089.	12.0	945
13	Nanog Is the Gateway to the Pluripotent Ground State. <i>Cell</i> , 2009, 138, 722-737.	28.9	904
14	Variation in the safety of induced pluripotent stem cell lines. <i>Nature Biotechnology</i> , 2009, 27, 743-745.	17.5	811
15	Strategies and New Developments in the Generation of Patient-Specific Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2007, 1, 39-49.	11.1	704
16	Nuclear reprogramming to a pluripotent state by three approaches. <i>Nature</i> , 2010, 465, 704-712.	27.8	694
17	Induced Pluripotent Stem Cells: Past, Present, and Future. <i>Cell Stem Cell</i> , 2012, 10, 678-684.	11.1	692
18	Hypoxia Enhances the Generation of Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2009, 5, 237-241.	11.1	687

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19	A decade of transcription factor-mediated reprogramming to pluripotency. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 183-193.	37.0	684
20	Modeling Alzheimer's Disease with iPSCs Reveals Stress Phenotypes Associated with Intracellular $A\beta^2$ and Differential Drug Responsiveness. <i>Cell Stem Cell</i> , 2013, 12, 487-496.	11.1	652
21	A Fresh Look at iPS Cells. <i>Cell</i> , 2009, 137, 13-17.	28.9	636
22	Pluripotent Stem Cell-Based Cell Therapy—Promise and Challenges. <i>Cell Stem Cell</i> , 2020, 27, 523-531.	11.1	602
23	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, 458-466.	3.2	582
24	mTOR Is Essential for Growth and Proliferation in Early Mouse Embryos and Embryonic Stem Cells. <i>Molecular and Cellular Biology</i> , 2004, 24, 6710-6718.	2.3	562
25	Modeling familial Alzheimer's disease with induced pluripotent stem cells. <i>Human Molecular Genetics</i> , 2011, 20, 4530-4539.	2.9	527
26	A novel efficient feeder-free culture system for the derivation of human induced pluripotent stem cells. <i>Scientific Reports</i> , 2014, 4, 3594.	3.3	511
27	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. <i>Nature Biotechnology</i> , 2011, 29, 1132-1144.	17.5	509
28	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, 12704-12709.	7.1	489
29	Elite and stochastic models for induced pluripotent stem cell generation. <i>Nature</i> , 2009, 460, 49-52.	27.8	477
30	Reactivation of the Paternal X Chromosome in Early Mouse Embryos. <i>Science</i> , 2004, 303, 666-669.	12.6	475
31	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, 16825-16830.	7.1	473
32	Directed and Systematic Differentiation of Cardiovascular Cells From Mouse Induced Pluripotent Stem Cells. <i>Circulation</i> , 2008, 118, 498-506.	1.6	465
33	Drug Screening for ALS Using Patient-Specific Induced Pluripotent Stem Cells. <i>Science Translational Medicine</i> , 2012, 4, 145ra104.	12.4	465
34	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.	4.8	459
35	Robust In Vitro Induction of Human Germ Cell Fate from Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2015, 17, 178-194.	11.1	428
36	Generation of retinal cells from mouse and human induced pluripotent stem cells. <i>Neuroscience Letters</i> , 2009, 458, 126-131.	2.1	402

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37	iPS cells: a game changer for future medicine. <i>EMBO Journal</i> , 2014, 33, 409-417.	7.8	374
38	Steps Toward Safe Cell Therapy Using Induced Pluripotent Stem Cells. <i>Circulation Research</i> , 2013, 112, 523-533.	4.5	371
39	Premature Termination of Reprogramming In Vivo Leads to Cancer Development through Altered Epigenetic Regulation. <i>Cell</i> , 2014, 156, 663-677.	28.9	368
40	Direct reprogramming of somatic cells is promoted by maternal transcription factor Glis1. <i>Nature</i> , 2011, 474, 225-229.	27.8	354
41	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, 14152-14157.	7.1	351
42	Role of ERas in promoting tumour-like properties in mouse embryonic stem cells. <i>Nature</i> , 2003, 423, 541-545.	27.8	305
43	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, 2817-2830.	8.5	295
44	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, 12538-12543.	7.1	277
45	Expandable Megakaryocyte Cell Lines Enable Clinically Applicable Generation of Platelets from Human Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2014, 14, 535-548.	11.1	275
46	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.	2.5	272
47	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.	2.5	266
48	Monitoring and robust induction of nephrogenic intermediate mesoderm from human pluripotent stem cells. <i>Nature Communications</i> , 2013, 4, 1367.	12.8	266
49	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, 220-230.	2.4	264
50	Ultrastructural Maturation of Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes in a Long-Term Culture. <i>Circulation Journal</i> , 2013, 77, 1307-1314.	1.6	258
51	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, 2699-2708.	2.3	252
52	Complete Genetic Correction of iPS Cells From Duchenne Muscular Dystrophy. <i>Molecular Therapy</i> , 2010, 18, 386-393.	8.2	238
53	Direct Comparison of Autologous and Allogeneic Transplantation of iPSC-Derived Neural Cells in the Brain of a Nonhuman Primate. <i>Stem Cell Reports</i> , 2013, 1, 283-292.	4.8	233
54	Induced Pluripotent Stem Cells and Their Use in Human Models of Disease and Development. <i>Physiological Reviews</i> , 2019, 99, 79-114.	28.8	230

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55	Induced pluripotent stem cells: opportunities and challenges. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 2198-2207.	4.0	225
56	Toward the Development of a Global Induced Pluripotent Stem Cell Library. <i>Cell Stem Cell</i> , 2013, 13, 382-384.	11.1	225
57	Induced pluripotent stem cells in medicine and biology. <i>Development (Cambridge)</i> , 2013, 140, 2457-2461.	2.5	220
58	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, 12426-12431.	7.1	220
59	In vitro pharmacologic testing using human induced pluripotent stem cell-derived cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2009, 385, 497-502.	2.1	219
60	Induced Pluripotent Stem Cells 10 Years Later. <i>Circulation Research</i> , 2017, 120, 1958-1968.	4.5	218
61	miRNAs regulate SIRT1 expression during mouse embryonic stem cell differentiation and in adult mouse tissues. <i>Aging</i> , 2010, 2, 415-431.	3.1	217
62	Rethinking Differentiation: Stem Cells, Regeneration, and Plasticity. <i>Cell</i> , 2014, 157, 110-119.	28.9	217
63	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, 20569-20574.	7.1	206
64	iPS cell technologies: significance and applications to CNS regeneration and disease. <i>Molecular Brain</i> , 2014, 7, 22.	2.6	204
65	Generation of mouse-induced pluripotent stem cells with plasmid vectors. <i>Nature Protocols</i> , 2010, 5, 418-428.	12.0	200
66	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.	11.1	200
67	Distinct Signaling Events Downstream of mTOR Cooperate To Mediate the Effects of Amino Acids and Insulin on Initiation Factor 4E-Binding Proteins. <i>Molecular and Cellular Biology</i> , 2005, 25, 2558-2572.	2.3	194
68	Efficient Detection and Purification of Cell Populations Using Synthetic MicroRNA Switches. <i>Cell Stem Cell</i> , 2015, 16, 699-711.	11.1	191
69	Induction and Isolation of Vascular Cells From Human Induced Pluripotent Stem Cells—Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1100-1103.	2.4	183
70	The Src/c-Abl pathway is a potential therapeutic target in amyotrophic lateral sclerosis. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	182
71	Epigenetic Variation between Human Induced Pluripotent Stem Cell Lines Is an Indicator of Differentiation Capacity. <i>Cell Stem Cell</i> , 2016, 19, 341-354.	11.1	179
72	MHC matching improves engraftment of iPSC-derived neurons in non-human primates. <i>Nature Communications</i> , 2017, 8, 385.	12.8	178

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73	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, 3120-3126.	8.2	168
74	Recent Stem Cell Advances: Induced Pluripotent Stem Cells for Disease Modeling and Stem Cell-Based Regeneration. <i>Circulation</i> , 2010, 122, 80-87.	1.6	166
75	Generation of skeletal muscle stem/progenitor cells from murine induced pluripotent stem cells. <i>FASEB Journal</i> , 2010, 24, 2245-2253.	0.5	162
76	The effects of cardioactive drugs on cardiomyocytes derived from human induced pluripotent stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 482-488.	2.1	160
77	Anti-A β Drug Screening Platform Using Human iPSC Cell-Derived Neurons for the Treatment of Alzheimer's Disease. <i>PLoS ONE</i> , 2011, 6, e25788.	2.5	156
78	iPS cells: A source of cardiac regeneration. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 327-332.	1.9	152
79	Enhanced engraftment, proliferation and therapeutic potential in heart using optimized human iPSC-derived cardiomyocytes. <i>Scientific Reports</i> , 2016, 6, 19111.	3.3	150
80	Adipogenic differentiation of human induced pluripotent stem cells: Comparison with that of human embryonic stem cells. <i>FEBS Letters</i> , 2009, 583, 1029-1033.	2.8	140
81	Gingival Fibroblasts as a Promising Source of Induced Pluripotent Stem Cells. <i>PLoS ONE</i> , 2010, 5, e12743.	2.5	138
82	Pluripotency and nuclear reprogramming. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 2079-2087.	4.0	136
83	Roles of Sall4 in the generation of pluripotent stem cells from blastocysts and fibroblasts. <i>Genes To Cells</i> , 2009, 14, 683-694.	1.2	136
84	Focal Transplantation of Human iPSC-Derived Glial-Rich Neural Progenitors Improves Lifespan of ALS Mice. <i>Stem Cell Reports</i> , 2014, 3, 242-249.	4.8	131
85	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, 980-992.	3.3	130
86	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, 473-482.	2.1	124
87	Biosynthesis of Apolipoprotein B48-containing Lipoproteins. <i>Journal of Biological Chemistry</i> , 1996, 271, 2353-2356.	3.4	122
88	Direct Cardiac Reprogramming. <i>Circulation Research</i> , 2015, 116, 1378-1391.	4.5	118
89	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, 12172-12179.	7.1	117
90	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.	2.5	116

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91	Induction of pluripotency in human somatic cells via a transient state resembling primitive streak-like mesendoderm. <i>Nature Communications</i> , 2014, 5, 3678.	12.8	115
92	Angiotensin Blockade Inhibits Activation of Mitogen-Activated Protein Kinases in Rat Balloon-Injured Artery. <i>Circulation</i> , 1998, 97, 1731-1737.	1.6	114
93	Generation and Characterization of Human Induced Pluripotent Stem Cells. <i>Current Protocols in Stem Cell Biology</i> , 2009, 9, Unit 4A.2.	3.0	114
94	Transcriptional repression and DNA hypermethylation of a small set of ES cell marker genes in male germline stem cells. <i>BMC Developmental Biology</i> , 2006, 6, 34.	2.1	112
95	Broader Implications of Defining Standards for the Pluripotency of iPSCs. <i>Cell Stem Cell</i> , 2009, 4, 200-201.	11.1	111
96	Immunogenicity of Induced Pluripotent Stem Cells. <i>Circulation Research</i> , 2011, 109, 720-721.	4.5	111
97	From Genomics to Gene Therapy: Induced Pluripotent Stem Cells Meet Genome Editing. <i>Annual Review of Genetics</i> , 2015, 49, 47-70.	7.6	111
98	Intracellular Signaling Pathways Regulating Pluripotency of Embryonic Stem Cells. <i>Current Stem Cell Research and Therapy</i> , 2006, 1, 103-111.	1.3	108
99	Characterization of Dendritic Cells and Macrophages Generated by Directed Differentiation from Mouse Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2009, 27, 1021-1031.	3.2	107
100	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.	4.0	107
101	Calcium Transients Closely Reflect Prolonged Action Potentials in iPSC Models of Inherited Cardiac Arrhythmia. <i>Stem Cell Reports</i> , 2014, 3, 269-281.	4.8	106
102	Differential Roles for Sox15 and Sox2 in Transcriptional Control in Mouse Embryonic Stem Cells*. <i>Journal of Biological Chemistry</i> , 2005, 280, 24371-24379.	3.4	105
103	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.	2.5	105
104	Reprogramming somatic cells towards pluripotency by defined factors. <i>Current Opinion in Biotechnology</i> , 2007, 18, 467-473.	6.6	103
105	Generation of Human Melanocytes from Induced Pluripotent Stem Cells. <i>PLoS ONE</i> , 2011, 6, e16182.	2.5	102
106	Aggregation of embryonic stem cells induces Nanog repression and primitive endoderm differentiation. <i>Journal of Cell Science</i> , 2004, 117, 5681-5686.	2.0	101
107	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.	2.7	101
108	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, 648-661.	4.8	100

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109	Derivation Conditions Impact X-Inactivation Status in Female Human Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2012, 11, 91-99.	11.1	99
110	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.	3.2	98
111	Induced pluripotent stem cells and reprogramming: seeing the science through the hype. <i>Nature Reviews Genetics</i> , 2009, 10, 878-883.	16.3	96
112	Transplantation of mouse induced pluripotent stem cells into the cochlea. <i>NeuroReport</i> , 2009, 20, 1250-1254.	1.2	96
113	Tsix RNA and the Germline Factor, PRDM14, Link X Reactivation and Stem Cell Reprogramming. <i>Molecular Cell</i> , 2013, 52, 805-818.	9.7	96
114	A developmental framework for induced pluripotency. <i>Development (Cambridge)</i> , 2015, 142, 3274-3285.	2.5	94
115	Human Induced Pluripotent Stem Cells on Autologous Feeders. <i>PLoS ONE</i> , 2009, 4, e8067.	2.5	91
116	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, 32768-32774.	3.4	90
117	Enhanced Therapeutic Effects of Human iPS Cell Derived-Cardiomyocyte by Combined Cell-Sheets with Omental Flap Technique in Porcine Ischemic Cardiomyopathy Model. <i>Scientific Reports</i> , 2017, 7, 8824.	3.3	90
118	Efficient reprogramming of human and mouse primary extraembryonic cells to pluripotent stem cells. <i>Genes To Cells</i> , 2009, 14, 1395-1404.	1.2	88
119	Patient-Specific Pluripotent Stem Cells Become Even More Accessible. <i>Cell Stem Cell</i> , 2010, 7, 1-2.	11.1	88
120	Specific lectin biomarkers for isolation of human pluripotent stem cells identified through array-based glycomic analysis. <i>Cell Research</i> , 2011, 21, 1551-1563.	12.0	88
121	Differential Activation of Cardiac c-Jun Amino-Terminal Kinase and Extracellular Signal-Regulated Kinase in Angiotensin II-Mediated Hypertension. <i>Circulation Research</i> , 1998, 83, 752-760.	4.5	87
122	New Advances in iPS Cell Research Do Not Obviate the Need for Human Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2007, 1, 367-368.	11.1	87
123	Inducible Transgene Expression in Human iPS Cells Using Versatile All-in-One piggyBac Transposons. <i>Methods in Molecular Biology</i> , 2015, 1357, 111-131.	0.9	84
124	MicroRNA-302 switch to identify and eliminate undifferentiated human pluripotent stem cells. <i>Scientific Reports</i> , 2016, 6, 32532.	3.3	82
125	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, 16492-16497.	7.1	81
126	<i>Nat1</i> 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.	7.1	81

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127	The Human Gene Encoding the Lectin-Type Oxidized LDL Receptor (OLR1) Is a Novel Member of the Natural Killer Gene Complex with a Unique Expression Profile. <i>Genomics</i> , 1998, 54, 191-199.	2.9	78
128	Induction of pluripotency by defined factors. <i>Experimental Cell Research</i> , 2010, 316, 2565-2570.	2.6	77
129	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, 430-437.	3.3	77
130	Induction of primordial germ cells from mouse induced pluripotent stem cells derived from adult hepatocytes. <i>Molecular Reproduction and Development</i> , 2010, 77, 802-811.	2.0	76
131	To Be Immunogenic, or Not to Be: That's the iPSC Question. <i>Cell Stem Cell</i> , 2013, 12, 385-386.	11.1	75
132	Cell-autonomous correction of ring chromosomes in human induced pluripotent stem cells. <i>Nature</i> , 2014, 507, 99-103.	27.8	75
133	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.	7.1	75
134	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.	3.0	74
135	Human Induced Pluripotent Stem Cell-Derived Ectodermal Precursor Cells Contribute to Hair Follicle Morphogenesis In Vivo. <i>Journal of Investigative Dermatology</i> , 2013, 133, 1479-1488.	0.7	72
136	Hybrid Cellular Metabolism Coordinated by Zic3 and Esrrb Synergistically Enhances Induction of Naive Pluripotency. <i>Cell Metabolism</i> , 2017, 25, 1103-1117.e6.	16.2	67
137	Induced 2C Expression and Implantation-Competent Blastocyst-like Cysts from Primed Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2019, 13, 485-498.	4.8	67
138	Cell line-dependent differentiation of induced pluripotent stem cells into cardiomyocytes in mice. <i>Cardiovascular Research</i> , 2010, 88, 314-323.	3.8	66
139	Integration-Free iPS Cells Engineered Using Human Artificial Chromosome Vectors. <i>PLoS ONE</i> , 2011, 6, e25961.	2.5	66
140	Harmonizing standards for producing clinical-grade therapies from pluripotent stem cells. <i>Nature Biotechnology</i> , 2014, 32, 724-726.	17.5	62
141	Computational image analysis of colony and nuclear morphology to evaluate human induced pluripotent stem cells. <i>Scientific Reports</i> , 2014, 4, 6996.	3.3	62
142	Induced pluripotent stem cells from CINCA syndrome patients as a model for dissecting somatic mosaicism and drug discovery. <i>Blood</i> , 2012, 120, 1299-1308.	1.4	61
143	SOX2 O-GlcNAcylation alters its protein-protein interactions and genomic occupancy to modulate gene expression in pluripotent cells. <i>ELife</i> , 2016, 5, e10647.	6.0	60
144	Cardiac Mitogen-Activated Protein Kinase Activities Are Chronically Increased in Stroke-Prone Hypertensive Rats. <i>Hypertension</i> , 1998, 31, 50-56.	2.7	55

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145	Contribution of Extracellular Signal-Regulated Kinase to Angiotensin II-Induced Transforming Growth Factor- β 1 Expression in Vascular Smooth Muscle Cells. <i>Hypertension</i> , 1999, 34, 126-131.	2.7	55
146	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, 214-221.	3.7	55
147	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.	2.5	55
148	Hyperediting of Multiple Cytidines of Apolipoprotein B mRNA by APOBEC-1 Requires Auxiliary Protein(s) but Not a Mooring Sequence Motif. <i>Journal of Biological Chemistry</i> , 1996, 271, 11506-11510.	3.4	54
149	Evolutionarily conserved non-AUG translation initiation in NAT1/p97/DAP5 (EIF4G2). <i>Genomics</i> , 2005, 85, 360-371.	2.9	54
150	Magnesium supplementation prevents experimental chronic cyclosporine a nephrotoxicity via renin-angiotensin system independent mechanism.. <i>Transplantation</i> , 2002, 74, 784-791.	1.0	53
151	Global Splicing Pattern Reversion during Somatic Cell Reprogramming. <i>Cell Reports</i> , 2013, 5, 357-366.	6.4	53
152	Towards Precision Medicine With Human iPSCs for Cardiac Channelopathies. <i>Circulation Research</i> , 2019, 125, 653-658.	4.5	53
153	ROLE OF HYPOMAGNESEMIA IN CHRONIC CYCLOSPORINE NEPHROPATHY1. <i>Transplantation</i> , 2002, 73, 340-347.	1.0	52
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