Shinya Yamanaka

List of Publications by Year
in descending order

245 papers	91,285 citations	1990 101 h-index	1253 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. Cell, 2006, 126, 663-676.	13.5	22,649
2	Induction of Pluripotent Stem Cells from Adult Human Fibroblasts by Defined Factors. Cell, 2007, 131, 861-872.	13.5	17,969
3	Generation of germline-competent induced pluripotent stem cells. Nature, 2007, 448, 313-317.	13.7	4,019
4	The Homeoprotein Nanog Is Required for Maintenance of Pluripotency in Mouse Epiblast and ES Cells. Cell, 2003, 113, 631-642.	13.5	2,892
5	Generation of induced pluripotent stem cells without Myc from mouse and human fibroblasts. Nature Biotechnology, 2008, 26, 101-106.	9.4	2,583
6	Generation of Mouse Induced Pluripotent Stem Cells Without Viral Vectors. Science, 2008, 322, 949-953.	6.0	1,857
7	A more efficient method to generate integration-free human iPS cells. Nature Methods, 2011, 8, 409-412.	9.0	1,736
8	Suppression of induced pluripotent stem cell generation by the p53â€“p21 pathway. Nature, 2009, 460, 1132-1135.	13.7	1,220
9	Autologous Induced Stem-Cellâ€“Derived Retinal Cells for Macular Degeneration. New England Journal of Medicine, 2017, 376, 1038-1046.	13.9	1,121
10	Induced pluripotent stem cell technology: a decade of progress. Nature Reviews Drug Discovery, 2017, 16, 115-130.	21.5	1,076
11	Generation of Pluripotent Stem Cells from Adult Mouse Liver and Stomach Cells. Science, 2008, 321, 699-702.	6.0	967
12	Induction of pluripotent stem cells from fibroblast cultures. Nature Protocols, 2007, 2, 3081-3089.	5.5	945
13	Nanog Is the Gateway to the Pluripotent Ground State. Cell, 2009, 138, 722-737.	13.5	904
14	Variation in the safety of induced pluripotent stem cell lines. Nature Biotechnology, 2009, 27, 743-745.	9.4	811
15	Strategies and New Developments in the Generation of Patient-Specific Pluripotent Stem Cells. Cell Stem Cell, 2007, 1, 39-49.	5.2	704
16	Nuclear reprogramming to a pluripotent state by three approaches. Nature, 2010, 465, 704-712.	13.7	694
17	Induced Pluripotent Stem Cells: Past, Present, and Future. Cell Stem Cell, 2012, 10, 678-684.	5.2	692
18	Hypoxia Enhances the Generation of Induced Pluripotent Stem Cells. Cell Stem Cell, 2009, 5, 237-241.	5.2	687

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19	A decade of transcription factor-mediated reprogramming to pluripotency. Nature Reviews Molecular Cell Biology, 2016, 17, 183-193.	16.1	684
20	Modeling Alzheimerâ€™s Disease with iPSCs Reveals Stress Phenotypes Associated with Intracellular AÎ² and Differential Drug Responsiveness. Cell Stem Cell, 2013, 12, 487-496.	5.2	652
21	A Fresh Look at iPS Cells. Cell, 2009, 137, 13-17.	13.5	636
22	Pluripotent Stem Cell-Based Cell Therapyâ€"Promise and Challenges. Cell Stem Cell, 2020, 27, 523-531.	5.2	602
23	An Efficient Nonviral Method to Generate Integration-Free Human-Induced Pluripotent Stem Cells from Cord Blood and Peripheral Blood Cells. Stem Cells, 2013, 31, 458-466.	1.4	582
24	mTOR Is Essential for Growth and Proliferation in Early Mouse Embryos and Embryonic Stem Cells. Molecular and Cellular Biology, 2004, 24, 6710-6718.	1.1	562
25	Modeling familial Alzheimer's disease with induced pluripotent stem cells. Human Molecular Genetics, 2011, 20, 4530-4539.	1.4	527
26	A novel efficient feeder-free culture system for the derivation of human induced pluripotent stem cells. Scientific Reports, 2014, 4, 3594.	1.6	511
27	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. Nature Biotechnology, 2011, 29, 1132-1144.	9.4	509
28	Therapeutic potential of appropriately evaluated safe-induced pluripotent stem cells for spinal cord injury. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12704-12709.	3.3	489
29	Elite and stochastic models for induced pluripotent stem cell generation. Nature, 2009, 460, 49-52.	13.7	477
30	Reactivation of the Paternal X Chromosome in Early Mouse Embryos. Science, 2004, 303, 666-669.	6.0	475
31	Grafted human-induced pluripotent stem-cellâ€"derived neurospheres promote motor functional recovery after spinal cord injury in mice. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16825-16830.	3.3	473
32	Directed and Systematic Differentiation of Cardiovascular Cells From Mouse Induced Pluripotent Stem Cells. Circulation, 2008, 118, 498-506.	1.6	465
33	Drug Screening for ALS Using Patient-Specific Induced Pluripotent Stem Cells. Science Translational Medicine, 2012, 4, 145ra104.	5.8	465
34	Precise Correction of the Dystrophin Gene in Duchenne Muscular Dystrophy Patient Induced Pluripotent Stem Cells by TALEN and CRISPR-Cas9. Stem Cell Reports, 2015, 4, 143-154.	2.3	459
35	Robust InÂVitro Induction of Human Germ Cell Fate from Pluripotent Stem Cells. Cell Stem Cell, 2015, 17, 178-194.	5.2	428
36	Generation of retinal cells from mouse and human induced pluripotent stem cells. Neuroscience Letters, 2009, 458, 126-131.	1.0	402

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37	iPS cells: a game changer for future medicine. EMBO Journal, 2014, 33, 409-417.	3.5	374
38	Steps Toward Safe Cell Therapy Using Induced Pluripotent Stem Cells. Circulation Research, 2013, 112, 523-533.	2.0	371
39	Premature Termination of Reprogramming InÂVivo Leads to Cancer Development through Altered Epigenetic Regulation. Cell, 2014, 156, 663-677.	13.5	368
40	Direct reprogramming of somatic cells is promoted by maternal transcription factor Glis1. Nature, 2011, 474, 225-229.	13.7	354
41	Promotion of direct reprogramming by transformation-deficient Myc. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14152-14157.	3.3	351
42	Role of ERas in promoting tumour-like properties in mouse embryonic stem cells. Nature, 2003, 423, 541-545.	13.7	305
43	Transient activation of <i>c-MYC</i> expression is critical for efficient platelet generation from human induced pluripotent stem cells. Journal of Experimental Medicine, 2010, 207, 2817-2830.	4.2	295
44	Donor-dependent variations in hepatic differentiation from human-induced pluripotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12538-12543.	3.3	277
45	Expandable Megakaryocyte Cell Lines Enable Clinically Applicable Generation of Platelets from Human Induced Pluripotent Stem Cells. Cell Stem Cell, 2014, 14, 535-548.	5.2	275
46	Efficient and Scalable Purification of Cardiomyocytes from Human Embryonic and Induced Pluripotent Stem Cells by VCAM1 Surface Expression. PLoS ONE, 2011, 6, e23657.	1.1	272
47	Pre-Evaluated Safe Human iPSC-Derived Neural Stem Cells Promote Functional Recovery after Spinal Cord Injury in Common Marmoset without Tumorigenicity. PLoS ONE, 2012, 7, e52787.	1.1	266
48	Monitoring and robust induction of nephrogenic intermediate mesoderm from human pluripotent stem cells. Nature Communications, 2013, 4, 1367.	5.8	266
49	Model for long QT syndrome type 2 using human iPS cells demonstrates arrhythmogenic characteristics in cell culture. DMM Disease Models and Mechanisms, 2012, 5, 220-230.	1.2	264
50	Ultrastructural Maturation of Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes in a Long-Term Culture. Circulation Journal, 2013, 77, 1307-1314.	0.7	258
51	Fbx15 Is a Novel Target of Oct3/4 but Is Dispensable for Embryonic Stem Cell Self-Renewal and Mouse Development. Molecular and Cellular Biology, 2003, 23, 2699-2708.	1.1	252
52	Complete Genetic Correction of iPS Cells From Duchenne Muscular Dystrophy. Molecular Therapy, 2010, 18, 386-393.	3.7	238
53	Direct Comparison of Autologous and Allogeneic Transplantation of iPSC-Derived Neural Cells in the Brain of a Nonhuman Primate. Stem Cell Reports, 2013, 1, 283-292.	2.3	233
54	Induced Pluripotent Stem Cells and Their Use in Human Models of Disease and Development. Physiological Reviews, 2019, 99, 79-114.	13.1	230

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55	Induced pluripotent stem cells: opportunities and challenges. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2198-2207.	1.8	225
56	Toward the Development of a Global Induced Pluripotent Stem Cell Library. Cell Stem Cell, 2013, 13, 382-384.	5.2	225
57	Induced pluripotent stem cells in medicine and biology. Development (Cambridge), 2013, 140, 2457-2461.	1.2	220
58	Dynamic regulation of human endogenous retroviruses mediates factor-induced reprogramming and differentiation potential. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12426-12431.	3.3	220
59	In vitro pharmacologic testing using human induced pluripotent stem cell-derived cardiomyocytes. Biochemical and Biophysical Research Communications, 2009, 385, 497-502.	1.0	219
60	Induced Pluripotent Stem Cells 10 Years Later. Circulation Research, 2017, 120, 1958-1968.	2.0	218
61	miRNAs regulate SIRT1 expression during mouse embryonic stem cell differentiation and in adult mouse tissues. Aging, 2010, 2, 415-431.	1.4	217
62	Rethinking Differentiation: Stem Cells, Regeneration, and Plasticity. Cell, 2014, 157, 110-119.	13.5	217
63	Differentiation-defective phenotypes revealed by large-scale analyses of human pluripotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20569-20574.	3.3	206
64	iPS cell technologies: significance and applications to CNS regeneration and disease. Molecular Brain, 2014, 7, 22.	1.3	204
65	Generation of mouse-induced pluripotent stem cells with plasmid vectors. Nature Protocols, 2010, 5, 418-428.	5.5	200
66	The let-7/LIN-41 Pathway Regulates Reprogramming to Human Induced Pluripotent Stem Cells by Controlling Expression of Prodifferentiation Genes. Cell Stem Cell, 2014, 14, 40-52.	5.2	200
67	Distinct Signaling Events Downstream of mTOR Cooperate To Mediate the Effects of Amino Acids and Insulin on Initiation Factor 4E-Binding Proteins. Molecular and Cellular Biology, 2005, 25, 2558-2572.	1.1	194
68	Efficient Detection and Purification of Cell Populations Using Synthetic MicroRNA Switches. Cell Stem Cell, 2015, 16, 699-711.	5.2	191
69	Induction and Isolation of Vascular Cells From Human Induced Pluripotent Stem Cellsâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1100-1103.	1.1	183
70	The Src/c-Abl pathway is a potential therapeutic target in amyotrophic lateral sclerosis. Science Translational Medicine, 2017, 9, .	5.8	182
71	Epigenetic Variation between Human Induced Pluripotent Stem Cell Lines Is an Indicator of Differentiation Capacity. Cell Stem Cell, 2016, 19, 341-354.	5.2	179
72	MHC matching improves engraftment of iPSC-derived neurons in non-human primates. Nature Communications, 2017, 8, 385.	5.8	178

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73	Induced pluripotent stem cellâ€"derived hepatocytes have the functional and proliferative capabilities needed for liver regeneration in mice. Journal of Clinical Investigation, 2010, 120, 3120-3126.	3.9	168
74	Recent Stem Cell Advances: Induced Pluripotent Stem Cells for Disease Modeling and Stem Cellâ€"Based Regeneration. Circulation, 2010, 122, 80-87.	1.6	166
75	Generation of skeletal muscle stem/progenitor cells from murine induced pluripotent stem cells. FASEB Journal, 2010, 24, 2245-2253.	0.2	162
76	The effects of cardioactive drugs on cardiomyocytes derived from human induced pluripotent stem cells. Biochemical and Biophysical Research Communications, 2009, 387, 482-488.	1.0	160
77	Anti-AÎ² Drug Screening Platform Using Human iPS Cell-Derived Neurons for the Treatment of Alzheimer's Disease. PLoS ONE, 2011, 6, e25788.	1.1	156
78	iPS cells: A source of cardiac regeneration. Journal of Molecular and Cellular Cardiology, 2011, 50, 327-332.	0.9	152
79	Enhanced engraftment, proliferation and therapeutic potential in heart using optimized human iPSC-derived cardiomyocytes. Scientific Reports, 2016, 6, 19111.	1.6	150
80	Adipogenic differentiation of human induced pluripotent stem cells: Comparison with that of human embryonic stem cells. FEBS Letters, 2009, 583, 1029-1033.	1.3	140
81	Gingival Fibroblasts as a Promising Source of Induced Pluripotent Stem Cells. PLoS ONE, 2010, 5, e12743.	1.1	138
82	Pluripotency and nuclear reprogramming. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 2079-2087.	1.8	136
83	Roles of Sall4 in the generation of pluripotent stem cells from blastocysts and fibroblasts. Genes To Cells, 2009, 14, 683-694.	0.5	136
84	Focal Transplantation of Human iPSC-Derived Glial-Rich Neural Progenitors Improves Lifespan of ALS Mice. Stem Cell Reports, 2014, 3, 242-249.	2.3	131
85	Cell Therapy Using Human Induced Pluripotent Stem Cell-Derived Renal Progenitors Ameliorates Acute Kidney Injury in Mice. Stem Cells Translational Medicine, 2015, 4, 980-992.	1.6	130
86	Generation of Naive-Like Porcine-Induced Pluripotent Stem Cells Capable of Contributing to Embryonic and Fetal Development. Stem Cells and Development, 2013, 22, 473-482.	1.1	124
87	Biosynthesis of Apolipoprotein B48-containing Lipoproteins. Journal of Biological Chemistry, 1996, 271, 2353-2356.	1.6	122
88	Direct Cardiac Reprogramming. Circulation Research, 2015, 116, 1378-1391.	2.0	118
89	Maturation, not initiation, is the major roadblock during reprogramming toward pluripotency from human fibroblasts. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12172-12179.	3.3	117
90	Induction and Enhancement of Cardiac Cell Differentiation from Mouse and Human Induced Pluripotent Stem Cells with Cyclosporin-A. PLoS ONE, 2011, 6, e16734.	1.1	116

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91	Induction of pluripotency in human somatic cells via a transient state resembling primitive streak-like mesendoderm. Nature Communications, 2014, 5, 3678.	5.8	115
92	Angiotensin Blockade Inhibits Activation of Mitogen-Activated Protein Kinases in Rat Balloon-Injured Artery. Circulation, 1998, 97, 1731-1737.	1.6	114
93	Generation and Characterization of Human Induced Pluripotent Stem Cells. Current Protocols in Stem Cell Biology, 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. BMC Developmental Biology, 2006, 6, 34.	2.1	112
95	Broader Implications of Defining Standards for the Pluripotency of iPSCs. Cell Stem Cell, 2009, 4, 200-201.	5.2	111
96	Immunogenicity of Induced Pluripotent Stem Cells. Circulation Research, 2011, 109, 720-721.	2.0	111
97	From Genomics to Gene Therapy: Induced Pluripotent Stem Cells Meet Genome Editing. Annual Review of Genetics, 2015, 49, 47-70.	3.2	111
98	Intracellular Signaling Pathways Regulating Pluripotency of Embryonic Stem Cells. Current Stem Cell Research and Therapy, 2006, 1, 103-111.	0.6	108
99	Characterization of Dendritic Cells and Macrophages Generated by Directed Differentiation from Mouse Induced Pluripotent Stem Cells. Stem Cells, 2009, 27, 1021-1031.	1.4	107
100	Epigenetic regulation in pluripotent stem cells: a key to breaking the epigenetic barrier. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120292.	1.8	107
101	Calcium Transients Closely Reflect Prolonged Action Potentials in iPSC Models of Inherited Cardiac Arrhythmia. Stem Cell Reports, 2014, 3, 269-281.	2.3	106
102	Differential Roles for Sox15 and Sox2 in Transcriptional Control in Mouse Embryonic Stem Cells*. Journal of Biological Chemistry, 2005, 280, 24371-24379.	1.6	105
103	Efficient and Rapid Induction of Human iPSCs/ESCs into Nephrogenic Intermediate Mesoderm Using Small Molecule-Based Differentiation Methods. PLoS ONE, 2014, 9, e84881.	1.1	105
104	Reprogramming somatic cells towards pluripotency by defined factors. Current Opinion in Biotechnology, 2007, 18, 467-473.	3.3	103
105	Generation of Human Melanocytes from Induced Pluripotent Stem Cells. PLoS ONE, 2011, 6, e16182.	1.1	102
106	Aggregation of embryonic stem cells induces Nanog repression and primitive endoderm differentiation. Journal of Cell Science, 2004, 117, 5681-5686.	1.2	101
107	Induced pluripotent stem cells from patients with human fibrodysplasia ossificans progressiva show increased mineralization and cartilage formation. Orphanet Journal of Rare Diseases, 2013, 8, 190.	1.2	101
108	Involvement of ER Stress in Dysmyelination of Pelizaeus-Merzbacher Disease with PLP1 Missense Mutations Shown by iPSC-Derived Oligodendrocytes. Stem Cell Reports, 2014, 2, 648-661.	2.3	100

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109	Derivation Conditions Impact X-Inactivation Status in Female Human Induced Pluripotent Stem Cells. Cell Stem Cell, 2012, 11, 91-99.	5.2	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. Stem Cells, 2019, 37, 6-13.	1.4	98
111	Induced pluripotent stem cells and reprogramming: seeing the science through the hype. Nature Reviews Genetics, 2009, 10, 878-883.	7.7	96
112	Transplantation of mouse induced pluripotent stem cells into the cochlea. NeuroReport, 2009, 20, 1250-1254.	0.6	96
113	Tsix RNA and the Germline Factor, PRDM14, Link X Reactivation and Stem Cell Reprogramming. Molecular Cell, 2013, 52, 805-818.	4.5	96
114	A developmental framework for induced pluripotency. Development (Cambridge), 2015, 142, 3274-3285.	1.2	94
115	Human Induced Pluripotent Stem Cells on Autologous Feeders. PLoS ONE, 2009, 4, e8067.	1.1	91
116	Differential Membrane Localization of ERas and Rheb, Two Ras-related Proteins Involved in the Phosphatidylinositol 3-Kinase/mTOR Pathway. Journal of Biological Chemistry, 2005, 280, 32768-32774.	1.6	90
117	Enhanced Therapeutic Effects of Human iPS Cell Derived-Cardiomyocyte by Combined Cell-Sheets with Omental Flap Technique in Porcine Ischemic Cardiomyopathy Model. Scientific Reports, 2017, 7, 8824.	1.6	90
118	Efficient reprogramming of human and mouse primary extraâ€embryonic cells to pluripotent stem cells. Genes To Cells, 2009, 14, 1395-1404.	0.5	88
119	Patient-Specific Pluripotent Stem Cells Become Even More Accessible. Cell Stem Cell, 2010, 7, 1-2.	5.2	88
120	Specific lectin biomarkers for isolation of human pluripotent stem cells identified through array-based glycomic analysis. Cell Research, 2011, 21, 1551-1563.	5.7	88
121	Differential Activation of Cardiac c-Jun Amino-Terminal Kinase and Extracellular Signal-Regulated Kinase in Angiotensin IIâ€“Mediated Hypertension. Circulation Research, 1998, 83, 752-760.	2.0	87
122	New Advances in iPS Cell Research Do Not Obviate the Need for Human Embryonic Stem Cells. Cell Stem Cell, 2007, 1, 367-368.	5.2	87
123	Inducible Transgene Expression in Human iPS Cells Using Versatile All-in-One piggyBac Transposons. Methods in Molecular Biology, 2015, 1357, 111-131.	0.4	84
124	MicroRNA-302 switch to identify and eliminate undifferentiated human pluripotent stem cells. Scientific Reports, 2016, 6, 32532.	1.6	82
125	Tudor domain containing 12 (TDRD12) is essential for secondary PIWI interacting RNA biogenesis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16492-16497.	3.3	81
126	<i>Nat1</i> promotes translation of specific proteins that induce differentiation of mouse embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 340-345.	3.3	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. Genomics, 1998, 54, 191-199.	1.3	78
128	Induction of pluripotency by defined factors. Experimental Cell Research, 2010, 316, 2565-2570.	1.2	77
129	Bioengineered Myocardium Derived from Induced Pluripotent Stem Cells Improves Cardiac Function and Attenuates Cardiac Remodeling Following Chronic Myocardial Infarction in Rats. Stem Cells Translational Medicine, 2012, 1, 430-437.	1.6	77
130	Induction of primordial germ cells from mouse induced pluripotent stem cells derived from adult hepatocytes. Molecular Reproduction and Development, 2010, 77, 802-811.	1.0	76
131	To Be Immunogenic, or Not to Be: Thatâ€™s the iPSC Question. Cell Stem Cell, 2013, 12, 385-386.	5.2	75
132	Cell-autonomous correction of ring chromosomes in human induced pluripotent stem cells. Nature, 2014, 507, 99-103.	13.7	75
133	BMP-SMAD-ID promotes reprogramming to pluripotency by inhibiting p16/INK4A-dependent senescence. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13057-13062.	3.3	75
134	First-in-human clinical trial of transplantation of iPSC-derived NS/PCs in subacute complete spinal cord injury: Study protocol. Regenerative Therapy, 2021, 18, 321-333.	1.4	74
135	Human Induced Pluripotent Stem Cellâ€"Derived Ectodermal Precursor Cells Contribute to Hair Follicle Morphogenesis In Vivo. Journal of Investigative Dermatology, 2013, 133, 1479-1488.	0.3	72
136	Hybrid Cellular Metabolism Coordinated by Zic3 and Esrrb Synergistically Enhances Induction of Naive Pluripotency. Cell Metabolism, 2017, 25, 1103-1117.e6.	7.2	67
137	Induced 2C Expression and Implantation-Competent Blastocyst-like Cysts from Primed Pluripotent Stem Cells. Stem Cell Reports, 2019, 13, 485-498.	2.3	67
138	Cell line-dependent differentiation of induced pluripotent stem cells into cardiomyocytes in mice. Cardiovascular Research, 2010, 88, 314-323.	1.8	66
139	Integration-Free iPS Cells Engineered Using Human Artificial Chromosome Vectors. PLoS ONE, 2011, 6, e25961.	1.1	66
140	Harmonizing standards for producing clinical-grade therapies from pluripotent stem cells. Nature Biotechnology, 2014, 32, 724-726.	9.4	62
141	Computational image analysis of colony and nuclear morphology to evaluate human induced pluripotent stem cells. Scientific Reports, 2014, 4, 6996.	1.6	62
142	Induced pluripotent stem cells from CINCA syndrome patients as a model for dissecting somatic mosaicism and drug discovery. Blood, 2012, 120, 1299-1308.	0.6	61
143	SOX2 O-GlcNAcylation alters its protein-protein interactions and genomic occupancy to modulate gene expression in pluripotent cells. ELife, 2016, 5, e10647.	2.8	60
144	Cardiac Mitogen-Activated Protein Kinase Activities Are Chronically Increased in Stroke-Prone Hypertensive Rats. Hypertension, 1998, 31, 50-56.	1.3	55

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145	Contribution of Extracellular Signal-Regulated Kinase to Angiotensin IIâ€“Induced Transforming Growth Factor-Î²1 Expression in Vascular Smooth Muscle Cells. Hypertension, 1999, 34, 126-131.	1.3	55
146	Rapid and Deep Profiling of Human Induced Pluripotent Stem Cell Proteome by One-shot NanoLCâ€“MS/MS Analysis with Meter-scale Monolithic Silica Columns. Journal of Proteome Research, 2013, 12, 214-221.	1.8	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. PLoS ONE, 2016, 11, e0164795.	1.1	55
148	Hyperediting of Multiple Cytidines of Apolipoprotein B mRNA by APOBEC-1 Requires Auxiliary Protein(s) but Not a Mooring Sequence Motif. Journal of Biological Chemistry, 1996, 271, 11506-11510.	1.6	54
149	Evolutionarily conserved non-AUG translation initiation in NAT1/p97/DAP5 (EIF4G2). Genomics, 2005, 85, 360-371.	1.3	54
150	Magnesium supplementation prevents experimental chronic cyclosporine a nephrotoxicity via renin-angiotensin system independent mechanism.. Transplantation, 2002, 74, 784-791.	0.5	53
151	Global Splicing Pattern Reversion during Somatic Cell Reprogramming. Cell Reports, 2013, 5, 357-366.	2.9	53
152	Towards Precision Medicine With Human iPSCs for Cardiac Channelopathies. Circulation Research, 2019, 125, 653-658.	2.0	53
153	ROLE OF HYPOMAGNESEMIA IN CHRONIC CYCLOSPORINE NEPHROPATHY1. Transplantation, 2002, 73, 340-347.	0.5	52
154	Germline development from human pluripotent stem cells toward disease modeling of infertility. Fertility and Sterility, 2012, 97, 1250-1259.	0.5	48
155	Recent policies that support clinical application of induced pluripotent stem cell-based regenerative therapies. Regenerative Therapy, 2016, 4, 36-47.	1.4	48
156	Inhibition of nuclear factor-Îº B activation by pyrrolidine dithiocarbamate prevents chronic FK506 nephropathy. Kidney International, 2003, 63, 306-314.	2.6	47
157	Development of a global network of induced pluripotent stem cell haplobanks. Regenerative Medicine, 2015, 10, 235-238.	0.8	45
158	Delivery of Full-Length Factor VIII Using a piggyBac Transposon Vector to Correct a Mouse Model of Hemophilia A. PLoS ONE, 2014, 9, e104957.	1.1	44
159	Essential Roles of ECAT15-2/Dppa2 in Functional Lung Development. Molecular and Cellular Biology, 2011, 31, 4366-4378.	1.1	43
160	Structure-based discovery of NANOG variant with enhanced properties to promote self-renewal and reprogramming of pluripotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4666-4671.	3.3	43
161	Sirt1 plays an important role in mediating greater functionality of human ES/iPS-derived vascular endothelial cells. Atherosclerosis, 2010, 212, 42-47.	0.4	42
162	A Chemical Probe that Labels Human Pluripotent Stem Cells. Cell Reports, 2014, 6, 1165-1174.	2.9	42

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163	Orderly hematopoietic development of induced pluripotent stem cells via Flkâ€1⁺ hemoangiogenic progenitors. Journal of Cellular Physiology, 2009, 221, 367-377.	2.0	41
164	Extracellular Signal-Regulated Kinase and c-Jun NH2-Terminal Kinase Activities Are Continuously and Differentially Increased in Aorta of Hypertensive Rats. Biochemical and Biophysical Research Communications, 1997, 236, 199-204.	1.0	40
165	Cartilage tissue engineering identifies abnormal human induced pluripotent stem cells. Scientific Reports, 2013, 3, 1978.	1.6	40
166	Defining Developmental Potency and Cell Lineage Trajectories by Expression Profiling of Differentiating Mouse Embryonic Stem Cells. DNA Research, 2009, 16, 73-80.	1.5	38
167	Autotaxin-mediated lipid signaling intersects with LIF and BMP signaling to promote the naive pluripotency transcription factor program. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12478-12483.	3.3	38
168	Identification and targeted disruption of the mouse gene encoding ESG1 (PH34/ECAT2/DPPA5). BMC Developmental Biology, 2006, 6, 11.	2.1	35
169	Specific Role of the Truncated Î²IV-Spectrin Î£6 in Sodium Channel Clustering at Axon Initial Segments and Nodes of Ranvier. Journal of Biological Chemistry, 2007, 282, 6548-6555.	1.6	35
170	KLF4 N-Terminal Variance Modulates Induced Reprogramming to Pluripotency. Stem Cell Reports, 2015, 4, 727-743.	2.3	35
171	Dual inhibition of TMPRSS2 and Cathepsin B prevents SARS-CoV-2 infection in iPS cells. Molecular Therapy - Nucleic Acids, 2021, 26, 1107-1114.	2.3	35
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