

Duanqing Pei

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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	15,201 citations	65 h-index	117 g-index
259 ext. papers	17,372 ext. citations	11.4 avg, IF	6.23 L-index

#	Paper	IF	Citations
242	A mesenchymal-to-epithelial transition initiates and is required for the nuclear reprogramming of mouse fibroblasts. <i>Cell Stem Cell</i> , 2010 , 7, 51-63	18	902
241	Vitamin C enhances the generation of mouse and human induced pluripotent stem cells. <i>Cell Stem Cell</i> , 2010 , 6, 71-9	18	762
240	Furin-dependent intracellular activation of the human stromelysin-3 zymogen. <i>Nature</i> , 1995 , 375, 244-7	50.4	538
239	Genomic instability in laminopathy-based premature aging. <i>Nature Medicine</i> , 2005 , 11, 780-5	50.5	498
238	Generation of human induced pluripotent stem cells from urine samples. <i>Nature Protocols</i> , 2012 , 7, 2080-8	19.8	400
237	Design of wide-spectrum inhibitors targeting coronavirus main proteases. <i>PLoS Biology</i> , 2005 , 3, e324	9.7	392
236	H3K9 methylation is a barrier during somatic cell reprogramming into iPSCs. <i>Nature Genetics</i> , 2013 , 45, 34-42	36.3	379
235	The histone demethylases Jhdm1a/1b enhance somatic cell reprogramming in a vitamin-C-dependent manner. <i>Cell Stem Cell</i> , 2011 , 9, 575-87	18	342
234	Generation of induced pluripotent stem cell lines from Tibetan miniature pig. <i>Journal of Biological Chemistry</i> , 2009 , 284, 17634-40	5.4	319
233	Transmembrane-deletion mutants of the membrane-type matrix metalloproteinase-1 process progelatinase A and express intrinsic matrix-degrading activity. <i>Journal of Biological Chemistry</i> , 1996 , 271, 9135-40	5.4	299
232	Generation of induced pluripotent stem cells from urine. <i>Journal of the American Society of Nephrology: JASN</i> , 2011 , 22, 1221-8	12.7	279
231	Hallmarks of pluripotency. <i>Nature</i> , 2015 , 525, 469-78	50.4	253
230	Stem cell pluripotency and transcription factor Oct4. <i>Cell Research</i> , 2002 , 12, 321-9	24.7	242
229	Tet and TDG mediate DNA demethylation essential for mesenchymal-to-epithelial transition in somatic cell reprogramming. <i>Cell Stem Cell</i> , 2014 , 14, 512-22	18	241
228	Vitamin C modulates TET1 function during somatic cell reprogramming. <i>Nature Genetics</i> , 2013 , 45, 1504-9	36.3	214
227	MicroRNA cluster 302-367 enhances somatic cell reprogramming by accelerating a mesenchymal-to-epithelial transition. <i>Journal of Biological Chemistry</i> , 2011 , 286, 17359-64	5.4	201
226	Identification and characterization of the fifth membrane-type matrix metalloproteinase MT5-MMP. <i>Journal of Biological Chemistry</i> , 1999 , 274, 8925-32	5.4	197

225	A negative feedback loop of transcription factors that controls stem cell pluripotency and self-renewal. <i>FASEB Journal</i> , 2006 , 20, 1730-2	0.9	175
224	Leukolysin/MMP25/MT6-MMP: a novel matrix metalloproteinase specifically expressed in the leukocyte lineage. <i>Cell Research</i> , 1999 , 9, 291-303	24.7	167
223	Sequential introduction of reprogramming factors reveals a time-sensitive requirement for individual factors and a sequential EMT-MET mechanism for optimal reprogramming. <i>Nature Cell Biology</i> , 2013 , 15, 829-38	23.4	165
222	Identification of Niclosamide as a New Small-Molecule Inhibitor of the STAT3 Signaling Pathway. <i>ACS Medicinal Chemistry Letters</i> , 2010 , 1, 454-9	4.3	162
221	Treating COVID-19 with Chloroquine. <i>Journal of Molecular Cell Biology</i> , 2020 , 12, 322-325	6.3	161
220	Generation of integration-free neural progenitor cells from cells in human urine. <i>Nature Methods</i> , 2013 , 10, 84-9	21.6	161
219	Generation of human induced pluripotent stem cells from umbilical cord matrix and amniotic membrane mesenchymal cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 11227-34	5.4	140
218	Regulation of the pluripotency marker Rex-1 by Nanog and Sox2. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23319-25	5.4	138
217	The p53-induced lincRNA-p21 derails somatic cell reprogramming by sustaining H3K9me3 and CpG methylation at pluripotency gene promoters. <i>Cell Research</i> , 2015 , 25, 80-92	24.7	137
216	Transcription activator-like effector nuclease (TALEN)-mediated gene correction in integration-free β -thalassemia induced pluripotent stem cells. <i>Journal of Biological Chemistry</i> , 2013 , 288, 34671-9	5.4	128
215	Establishment of porcine and human expanded potential stem cells. <i>Nature Cell Biology</i> , 2019 , 21, 687-699	3.4	127
214	Rescue of ATP7B function in hepatocyte-like cells from Wilson's disease induced pluripotent stem cells using gene therapy or the chaperone drug curcumin. <i>Human Molecular Genetics</i> , 2011 , 20, 3176-87	5.6	126
213	Generating a non-integrating human induced pluripotent stem cell bank from urine-derived cells. <i>PLoS ONE</i> , 2013 , 8, e70573	3.7	121
212	Anti-GPC3-CAR T Cells Suppress the Growth of Tumor Cells in Patient-Derived Xenografts of Hepatocellular Carcinoma. <i>Frontiers in Immunology</i> , 2016 , 7, 690	8.4	114
211	Esrrb activates Oct4 transcription and sustains self-renewal and pluripotency in embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2008 , 283, 35825-33	5.4	112
210	Oligomerization through hemopexin and cytoplasmic domains regulates the activity and turnover of membrane-type 1 matrix metalloproteinase. <i>Journal of Biological Chemistry</i> , 2002 , 277, 8440-8	5.4	109
209	Chromatin Accessibility Dynamics during iPSC Reprogramming. <i>Cell Stem Cell</i> , 2017 , 21, 819-833.e6	18	108
208	Generation of PPAR γ mono-allelic knockout pigs via zinc-finger nucleases and nuclear transfer cloning. <i>Cell Research</i> , 2011 , 21, 979-82	24.7	108

207	Differential inhibition of membrane type 3 (MT3)-matrix metalloproteinase (MMP) and MT1-MMP by tissue inhibitor of metalloproteinase (TIMP)-2 and TIMP-3 regulates pro-MMP-2 activation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 8592-601	5.4	107
206	Mesenchymal-epithelial transition in development and reprogramming. <i>Nature Cell Biology</i> , 2019 , 21, 44-53	23.4	104
205	BMPs functionally replace Klf4 and support efficient reprogramming of mouse fibroblasts by Oct4 alone. <i>Cell Research</i> , 2011 , 21, 205-12	24.7	102
204	Subcellular distribution and cytokine- and chemokine-regulated secretion of leukolysin/MT6-MMP/MMP-25 in neutrophils. <i>Journal of Biological Chemistry</i> , 2001 , 276, 21960-8	5.4	96
203	Stem-like cancer cells are inducible by increasing genomic instability in cancer cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 4931-40	5.4	95
202	Nuclear localization of the phosphatidylserine receptor protein via multiple nuclear localization signals. <i>Experimental Cell Research</i> , 2004 , 293, 154-63	4.2	91
201	Lithium, an anti-psychotic drug, greatly enhances the generation of induced pluripotent stem cells. <i>Cell Research</i> , 2011 , 21, 1424-35	24.7	90
200	Proprotein convertase furin interacts with and cleaves pro-ADAMTS4 (Aggrecanase-1) in the trans-Golgi network. <i>Journal of Biological Chemistry</i> , 2004 , 279, 15434-40	5.4	88
199	Cysteine array matrix metalloproteinase (CA-MMP)/MMP-23 is a type II transmembrane matrix metalloproteinase regulated by a single cleavage for both secretion and activation. <i>Journal of Biological Chemistry</i> , 2000 , 275, 33988-97	5.4	88
198	Generation of tooth-like structures from integration-free human urine induced pluripotent stem cells. <i>Cell Regeneration</i> , 2013 , 2, 6	2.5	84
197	Induced pluripotent stem cells can be used to model the genomic imprinting disorder Prader-Willi syndrome. <i>Journal of Biological Chemistry</i> , 2010 , 285, 40303-11	5.4	82
196	The roles of substrate thermal stability and P2 and P1 subsite identity on matrix metalloproteinase triple-helical peptidase activity and collagen specificity. <i>Journal of Biological Chemistry</i> , 2006 , 281, 38302-13	5.4	81
195	Aromatic residues in the C-terminal domain 2 are required for Nanog to mediate LIF-independent self-renewal of mouse embryonic stem cells. VOLUME 283 (2008) PAGES 4480-4489. <i>Journal of Biological Chemistry</i> , 2009 , 284, 11748	5.4	78
194	Co-recycling of MT1-MMP and MT3-MMP through the trans-Golgi network. Identification of DKV582 as a recycling signal. <i>Journal of Biological Chemistry</i> , 2004 , 279, 9331-6	5.4	78
193	A sequential EMT-MET mechanism drives the differentiation of human embryonic stem cells towards hepatocytes. <i>Nature Communications</i> , 2017 , 8, 15166	17.4	77
192	Generation of induced pluripotent stem cell lines from 3 distinct laminopathies bearing heterogeneous mutations in lamin A/C. <i>Aging</i> , 2011 , 3, 380-90	5.6	77
191	Regulation of pluripotency and reprogramming by transcription factors. <i>Journal of Biological Chemistry</i> , 2009 , 284, 3365-9	5.4	77
190	The oncogene c-Jun impedes somatic cell reprogramming. <i>Nature Cell Biology</i> , 2015 , 17, 856-67	23.4	75

189	Reprogramming of mouse and human somatic cells by high-performance engineered factors. <i>EMBO Reports</i> , 2011 , 12, 373-8	6.5	75
188	Fluidic and air-stable supported lipid bilayer and cell-mimicking microarrays. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6267-71	16.4	72
187	Melanoma chondroitin sulfate proteoglycan regulates matrix metalloproteinase-dependent human melanoma invasion into type I collagen. <i>Journal of Biological Chemistry</i> , 2001 , 276, 18786-94	5.4	71
186	Piglets cloned from induced pluripotent stem cells. <i>Cell Research</i> , 2013 , 23, 162-6	24.7	70
185	Valproic acid-induced hepatotoxicity in Alpers syndrome is associated with mitochondrial permeability transition pore opening-dependent apoptotic sensitivity in an induced pluripotent stem cell model. <i>Hepatology</i> , 2015 , 61, 1730-9	11.2	69
184	Design, synthesis, and biological evaluation of novel conformationally constrained inhibitors targeting epidermal growth factor receptor threonine β methionine β mutant. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 2711-23	8.3	69
183	A dominant-negative form of mouse SOX2 induces trophectoderm differentiation and progressive polyploidy in mouse embryonic stem cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 19481-92	5.4	69
182	Autophagy and mTORC1 regulate the stochastic phase of somatic cell reprogramming. <i>Nature Cell Biology</i> , 2015 , 17, 715-25	23.4	68
181	Phytomolecule icaritin incorporated PLGA/TCP scaffold for steroid-associated osteonecrosis: Proof-of-concept for prevention of hip joint collapse in bipedal emus and mechanistic study in quadrupedal rabbits. <i>Biomaterials</i> , 2015 , 59, 125-43	15.6	66
180	Synthesis of aza-fused polycyclic quinolines through copper-catalyzed cascade reactions. <i>Organic Letters</i> , 2010 , 12, 1500-3	6.2	66
179	Rational optimization of reprogramming culture conditions for the generation of induced pluripotent stem cells with ultra-high efficiency and fast kinetics. <i>Cell Research</i> , 2011 , 21, 884-94	24.7	66
178	Activation of membrane-type matrix metalloproteinase 3 zymogen by the proprotein convertase furin in the trans-Golgi network. <i>Cancer Research</i> , 2002 , 62, 675-81	10.1	64
177	Identification of a nuclear localization signal in OCT4 and generation of a dominant negative mutant by its ablation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 37013-20	5.4	63
176	Cancer: pathological nuclear reprogramming?. <i>Nature Reviews Cancer</i> , 2014 , 14, 568-73	31.3	62
175	The stem cell pluripotency factor NANOG activates transcription with two unusually potent subdomains at its C terminus. <i>Journal of Biological Chemistry</i> , 2005 , 280, 1401-7	5.4	60
174	PSCA and MUC1 in non-small-cell lung cancer as targets of chimeric antigen receptor T cells. <i>Oncotmunology</i> , 2017 , 6, e1284722	7.2	58
173	iPS cells: mapping the policy issues. <i>Cell</i> , 2009 , 139, 1032-7	56.2	58
172	Generation of RAG 1- and 2-deficient rabbits by embryo microinjection of TALENs. <i>Cell Research</i> , 2013 , 23, 1059-62	24.7	57

171	Membrane type-1 matrix metalloproteinase promotes human melanoma invasion and growth. <i>Journal of Investigative Dermatology</i> , 2004 , 122, 167-76	4.3	57
170	VHL inactivation induces HEF1 and Aurora kinase A. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 2041-6	12.7	56
169	PRC2 specifies ectoderm lineages and maintains pluripotency in primed but not naïve ESCs. <i>Nature Communications</i> , 2017 , 8, 672	17.4	55
168	The mesenchymal-to-epithelial transition in somatic cell reprogramming. <i>Current Opinion in Genetics and Development</i> , 2012 , 22, 423-8	4.9	55
167	Modeling abnormal early development with induced pluripotent stem cells from aneuploid syndromes. <i>Human Molecular Genetics</i> , 2012 , 21, 32-45	5.6	55
166	A SNX10/V-ATPase pathway regulates ciliogenesis in vitro and in vivo. <i>Cell Research</i> , 2012 , 22, 333-45	24.7	53
165	Total synthesis of cyclic tetrapeptide FR235222, a potent immunosuppressant that inhibits mammalian histone deacetylases. <i>Organic Letters</i> , 2005 , 7, 2775-7	6.2	52
164	Intracellular activation of human adamalysin 19/disintegrin and metalloproteinase 19 by furin occurs via one of the two consecutive recognition sites. <i>Journal of Biological Chemistry</i> , 2002 , 277, 25583-91	5.4	52
163	Towards an optimized culture medium for the generation of mouse induced pluripotent stem cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 31066-72	5.4	51
162	Induced Pluripotent Stem Cells to Model Human Fibrodysplasia Ossificans Progressiva. <i>Stem Cell Reports</i> , 2015 , 5, 963-970	8	49
161	Sorting nexin 10 induces giant vacuoles in mammalian cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 36891-6	5.4	49
160	Preliminary evidence from a multicenter prospective observational study of the safety and efficacy of chloroquine for the treatment of COVID-19. <i>National Science Review</i> , 2020 , 7, 1428-1436	10.8	48
159	Chromatin Accessibility Dynamics during Chemical Induction of Pluripotency. <i>Cell Stem Cell</i> , 2018 , 22, 529-542.e5	18	47
158	Transcriptional pause release is a rate-limiting step for somatic cell reprogramming. <i>Cell Stem Cell</i> , 2014 , 15, 574-88	18	47
157	Mesothelin is a target of chimeric antigen receptor T cells for treating gastric cancer. <i>Journal of Hematology and Oncology</i> , 2019 , 12, 18	22.4	46
156	Mitochondrial fusion provides an initial metabolic complementation controlled by mtDNA. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 2585-98	10.3	45
155	Expression of matrix metalloproteinase-2 and -9 and their inhibitors, tissue inhibitor of metalloproteinase-1 and -2, in primary cultures of human prostatic stromal and epithelial cells. <i>Journal of Cellular Physiology</i> , 2002 , 191, 208-16	7	45
154	Matrix metalloproteinases target protease-activated receptors on the tumor cell surface. <i>Cancer Cell</i> , 2005 , 7, 207-8	24.3	45

153	The RNA mA reader YTHDC1 silences retrotransposons and guards ES cell identity. <i>Nature</i> , 2021 , 591, 322-326	50.4	45
152	Mint-3 regulates the retrieval of the internalized membrane-type matrix metalloproteinase, MT5-MMP, to the plasma membrane by binding to its carboxyl end motif EWV. <i>Journal of Biological Chemistry</i> , 2004 , 279, 20461-70	5.4	44
151	Functional characterization of MT3-MMP in transfected MDCK cells: progelatinase A activation and tubulogenesis in 3-D collagen lattice. <i>FASEB Journal</i> , 2000 , 14, 2559-68	0.9	44
150	RNA Helicase DDX5 Inhibits Reprogramming to Pluripotency by miRNA-Based Repression of RYBP and its PRC1-Dependent and -Independent Functions. <i>Cell Stem Cell</i> , 2017 , 20, 462-477.e6	18	43
149	Incorporation of a hinge domain improves the expansion of chimeric antigen receptor T cells. <i>Journal of Hematology and Oncology</i> , 2017 , 10, 68	22.4	43
148	Expression, purification and characterization of recombinant mouse MT5-MMP protein products. <i>FEBS Letters</i> , 1999 , 462, 261-6	3.8	43
147	Resolving Cell Fate Decisions during Somatic Cell Reprogramming by Single-Cell RNA-Seq. <i>Molecular Cell</i> , 2019 , 73, 815-829.e7	17.6	43
146	Simple and versatile synthetic polydopamine-based surface supports reprogramming of human somatic cells and long-term self-renewal of human pluripotent stem cells under defined conditions. <i>Biomaterials</i> , 2016 , 87, 1-17	15.6	42
145	Shedding of membrane type matrix metalloproteinase 5 by a furin-type convertase: a potential mechanism for down-regulation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 35953-60	5.4	42
144	Future perspective of induced pluripotent stem cells for diagnosis, drug screening and treatment of human diseases. <i>Thrombosis and Haemostasis</i> , 2010 , 104, 39-44	7	41
143	Challenges and advances in clinical applications of mesenchymal stromal cells. <i>Journal of Hematology and Oncology</i> , 2021 , 14, 24	22.4	41
142	Loss of ATOH8 Increases Stem Cell Features of Hepatocellular Carcinoma Cells. <i>Gastroenterology</i> , 2015 , 149, 1068-81.e5	13.3	40
141	Ribosomal RNA gene transcription mediated by the master genome regulator protein CCCTC-binding factor (CTCF) is negatively regulated by the condensin complex. <i>Journal of Biological Chemistry</i> , 2013 , 288, 26067-26077	5.4	40
140	MicroRNAs in somatic cell reprogramming. <i>Current Opinion in Cell Biology</i> , 2013 , 25, 208-14	9	40
139	CA-MMP: a matrix metalloproteinase with a novel cysteine array, but without the classic cysteine switch. <i>FEBS Letters</i> , 1999 , 457, 262-70	3.8	39
138	Transposable elements at the center of the crossroads between embryogenesis, embryonic stem cells, reprogramming, and long non-coding RNAs. <i>Science Bulletin</i> , 2015 , 60, 1722-1733	10.6	38
137	Modeling of hemophilia A using patient-specific induced pluripotent stem cells derived from urine cells. <i>Life Sciences</i> , 2014 , 108, 22-9	6.8	38
136	Low immunogenicity of neural progenitor cells differentiated from induced pluripotent stem cells derived from less immunogenic somatic cells. <i>PLoS ONE</i> , 2013 , 8, e69617	3.7	38

135	Differentiation of mouse embryonic stem cells into dental epithelial-like cells induced by ameloblasts serum-free conditioned medium. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 394, 342-7	3.4	38
134	Mouse meningiocytes express Sox2 and yield high efficiency of chimeras after nuclear reprogramming with exogenous factors. <i>Journal of Biological Chemistry</i> , 2008 , 283, 33730-5	5.4	38
133	Srebp-1 Interacts with c-Myc to Enhance Somatic Cell Reprogramming. <i>Stem Cells</i> , 2016 , 34, 83-92	5.8	38
132	Direct activation of pro-matrix metalloproteinase-2 by leukolysin/membrane-type 6 matrix metalloproteinase/matrix metalloproteinase 25 at the asn(109)-Tyr bond. <i>Cancer Research</i> , 2003 , 63, 6758-62	10.1	38
131	Establishment of peripheral blood mononuclear cell-derived humanized lung cancer mouse models for studying efficacy of PD-L1/PD-1 targeted immunotherapy. <i>MABs</i> , 2018 , 10, 1301-1311	6.6	37
130	Rapid inactivation of alpha-1-proteinase inhibitor by neutrophil specific leukolysin/membrane-type matrix metalloproteinase 6. <i>Experimental Cell Research</i> , 2004 , 296, 145-50	4.2	36
129	Quantitative evaluation of the immunodeficiency of a mouse strain by tumor engraftments. <i>Journal of Hematology and Oncology</i> , 2015 , 8, 59	22.4	35
128	Failure to replicate the STAP cell phenomenon. <i>Nature</i> , 2015 , 525, E6-9	50.4	34
127	Transitions between epithelial and mesenchymal states during cell fate conversions. <i>Protein and Cell</i> , 2014 , 5, 580-91	7.2	34
126	Direct generation of ES-like cells from unmodified mouse embryonic fibroblasts by Oct4/Sox2/Myc/Klf4. <i>Cell Research</i> , 2007 , 17, 959-62	24.7	33
125	The hemopexin domain of membrane-type matrix metalloproteinase-1 (MT1-MMP) Is not required for its activation of proMMP2 on cell surface but is essential for MT1-MMP-mediated invasion in three-dimensional type I collagen. <i>Journal of Biological Chemistry</i> , 2004 , 279, 51148-55	5.4	33
124	EMT and MET as paradigms for cell fate switching. <i>Journal of Molecular Cell Biology</i> , 2012 , 4, 66-9	6.3	32
123	ANGPTL7 regulates the expansion and repopulation of human hematopoietic stem and progenitor cells. <i>Haematologica</i> , 2015 , 100, 585-94	6.6	31
122	Cyclin-dependent kinase-mediated Sox2 phosphorylation enhances the ability of Sox2 to establish the pluripotent state. <i>Journal of Biological Chemistry</i> , 2015 , 290, 22782-94	5.4	31
121	Models of global gene expression define major domains of cell type and tissue identity. <i>Nucleic Acids Research</i> , 2017 , 45, 2354-2367	20.1	31
120	Distinct roles of catalytic and pexin-like domains in membrane-type matrix metalloproteinase (MMP)-mediated pro-MMP-2 activation and collagenolysis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 38765-71	5.4	31
119	Overexpression of matrix metalloproteinases leads to lethality in transgenic <i>Xenopus laevis</i> : implications for tissue-dependent functions of matrix metalloproteinases during late embryonic development. <i>Developmental Dynamics</i> , 2001 , 221, 37-47	2.9	31
118	In vitro culture and directed osteogenic differentiation of human pluripotent stem cells on peptides-decorated two-dimensional microenvironment. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4560-72	9.5	29

117	Factor-induced Reprogramming and Zinc Finger Nuclease-aided Gene Targeting Cause Different Genome Instability in β -Thalassemia Induced Pluripotent Stem Cells (iPSCs). <i>Journal of Biological Chemistry</i> , 2015 , 290, 12079-89	5.4	27
116	The function and regulation of mesenchymal-to-epithelial transition in somatic cell reprogramming. <i>Current Opinion in Genetics and Development</i> , 2014 , 28, 32-7	4.9	27
115	SETDB1-Mediated Cell Fate Transition between 2C-Like and Pluripotent States. <i>Cell Reports</i> , 2020 , 30, 25-36.e6	10.6	27
114	Deficiency in class III PI3-kinase confers postnatal lethality with IBD-like features in zebrafish. <i>Nature Communications</i> , 2018 , 9, 2639	17.4	26
113	Vitamin C-dependent lysine demethylase 6 (KDM6)-mediated demethylation promotes a chromatin state that supports the endothelial-to-hematopoietic transition. <i>Journal of Biological Chemistry</i> , 2019 , 294, 13657-13670	5.4	24
112	Kdm2b Regulates Somatic Reprogramming through Variant PRC1 Complex-Dependent Function. <i>Cell Reports</i> , 2017 , 21, 2160-2170	10.6	24
111	Sorting nexin 33 induces mammalian cell micronucleated phenotype and actin polymerization by interacting with Wiskott-Aldrich syndrome protein. <i>Journal of Biological Chemistry</i> , 2009 , 284, 21659-69	5.4	23
110	Therapeutic developments in matrix metalloproteinase inhibition. <i>Expert Opinion on Therapeutic Patents</i> , 2002 , 12, 665-707	6.8	23
109	Induction of Pluripotent Stem Cells from Mouse Embryonic Fibroblasts by Jdp2-Jhdm1b-Mkk6-Glis1-Nanog-Essrb-Sall4. <i>Cell Reports</i> , 2019 , 27, 3473-3485.e5	10.6	22
108	JMJD3 and UTX determine fidelity and lineage specification of human neural progenitor cells. <i>Nature Communications</i> , 2020 , 11, 382	17.4	22
107	Induced pluripotent stem cell technology in regenerative medicine and biology. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2010 , 123, 127-41	1.7	22
106	Increased aggressiveness of human prostate PC-3 tumor cells expressing cell surface localized membrane type-1 matrix metalloproteinase (MT1-MMP). <i>Journal of Andrology</i> , 2009 , 30, 259-74		22
105	Glis1 facilitates induction of pluripotency via an epigenome-metabolome-epigenome signalling cascade. <i>Nature Metabolism</i> , 2020 , 2, 882-892	14.6	22
104	Gadd45a is a heterochromatin relaxer that enhances iPS cell generation. <i>EMBO Reports</i> , 2016 , 17, 1641-1656	15.6	22
103	Human Embryo Editing: Opportunities and Importance of Transnational Cooperation. <i>Cell Stem Cell</i> , 2017 , 21, 423-426	18	21
102	GATA2(-/-) human ESCs undergo attenuated endothelial to hematopoietic transition and thereafter granulocyte commitment. <i>Cell Regeneration</i> , 2015 , 4, 4	2.5	21
101	The C-terminal pentapeptide of Nanog tryptophan repeat domain interacts with Nac1 and regulates stem cell proliferation but not pluripotency. <i>Journal of Biological Chemistry</i> , 2009 , 284, 16071-16081	5.4	21
100	Characterization of a novel cell penetrating peptide derived from human Oct4. <i>Cell Regeneration</i> , 2014 , 3, 2	2.5	20

99	BMI1 enables interspecies chimerism with human pluripotent stem cells. <i>Nature Communications</i> , 2018 , 9, 4649	17.4	20
98	Short-Term Mitochondrial Permeability Transition Pore Opening Modulates Histone Lysine Methylation at the Early Phase of Somatic Cell Reprogramming. <i>Cell Metabolism</i> , 2018 , 28, 935-945.e5	24.6	20
97	Transient Activation of Mitoflashes Modulates Nanog at the Early Phase of Somatic Cell Reprogramming. <i>Cell Metabolism</i> , 2016 , 23, 220-6	24.6	19
96	Atovaquone derivatives as potent cytotoxic and apoptosis inducing agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 5091-4	2.9	19
95	Loss of Angiopoietin-like 7 diminishes the regeneration capacity of hematopoietic stem and progenitor cells. <i>Journal of Hematology and Oncology</i> , 2015 , 8, 7	22.4	17
94	Stem cell science on the rise in China. <i>Cell Stem Cell</i> , 2012 , 10, 12-5	18	17
93	Regulation of MT1-MMP activity by E-catenin in MDCK non-cancer and HT1080 cancer cells. <i>Journal of Cellular Physiology</i> , 2010 , 225, 810-21	7	17
92	The magic continues for the iPS strategy. <i>Cell Research</i> , 2008 , 18, 221-3	24.7	17
91	Dynamically reorganized chromatin is the key for the reprogramming of somatic cells to pluripotent cells. <i>Scientific Reports</i> , 2015 , 5, 17691	4.9	16
90	Lysine-specific histone demethylase 1 inhibition promotes reprogramming by facilitating the expression of exogenous transcriptional factors and metabolic switch. <i>Scientific Reports</i> , 2016 , 6, 30903	4.9	16
89	Lower genomic stability of induced pluripotent stem cells reflects increased non-homologous end joining. <i>Cancer Communications</i> , 2018 , 38, 49	9.4	16
88	Application of iPS cells in dental bioengineering and beyond. <i>Stem Cell Reviews and Reports</i> , 2014 , 10, 663-70	6.4	16
87	Immediate expression of Cdh2 is essential for efficient neural differentiation of mouse induced pluripotent stem cells. <i>Stem Cell Research</i> , 2013 , 10, 338-48	1.6	16
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