Duanqing Pei

List of Publications by Year in Descending Order

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	miR-204-containing exosomes ameliorate GVHD-associated dry eye disease.. *Science Advances*, **2022**, 8, eabj9617	14.3	4
241	MYOCD is Required for Cardiomyocyte-like Cells Induction from Human Urine Cells and Fibroblasts Through Remodeling Chromatin.. *Stem Cell Reviews and Reports*, **2022**, 1	7.3	0
240	Human induced-T-to-natural killer cells have potent anti-tumour activities.. *Biomarker Research*, **2022**, 10, 13	8	1
239	UBE2O and USP7 co-regulate RECQL4 ubiquitinylation and homologous recombination-mediated DNA repair.. *FASEB Journal*, **2022**, 36, e22112	0.9	0
238	BMP4 drives primed to naïve transition through PGC-like state.. *Nature Communications*, **2022**, 13, 2756	17.4	0
237	Cancer stem cells: advances in biology and clinical translation-a Keystone Symposia report. *Annals of the New York Academy of Sciences*, **2021**,	6.5	1
236	Proteins in DNA methylation and their role in neural stem cell proliferation and differentiation. *Cell Regeneration*, **2021**, 10, 7	2.5	2
235	The E3 Ligase MIB1 Promotes Proteasomal Degradation of NRF2 and Sensitizes Lung Cancer Cells to Ferroptosis. *Molecular Cancer Research*, **2021**,	6.6	1
234	Phase separating cell fate. *Cell Stem Cell*, **2021**, 28, 1677-1678	18	
233	The RNA mA reader YTHDC1 silences retrotransposons and guards ES cell identity. *Nature*, **2021**, 591, 322-326	50.4	45
232	Efficient induction of neural progenitor cells from human ESC/iPSCs on Type I Collagen. *Science China Life Sciences*, **2021**, 1	8.5	0
231	AP-1 activity is a major barrier of human somatic cell reprogramming. *Cellular and Molecular Life Sciences*, **2021**, 78, 5847-5863	10.3	
230	Hypoproliferative human neural progenitor cell xenografts survived extendedly in the brain of immunocompetent rats. *Stem Cell Research and Therapy*, **2021**, 12, 376	8.3	
229	Forkhead box family transcription factors as versatile regulators for cellular reprogramming to pluripotency. *Cell Regeneration*, **2021**, 10, 17	2.5	1
228	IL-6 trans-signaling promotes the expansion and anti-tumor activity of CAR T cells. *Leukemia*, **2021**, 35, 1380-1391	10.7	8
227	The nuclear factor CECR2 promotes somatic cell reprogramming by reorganizing the chromatin structure. *Journal of Biological Chemistry*, **2021**, 296, 100022	5.4	0
226	Challenges and advances in clinical applications of mesenchymal stromal cells. *Journal of Hematology and Oncology*, **2021**, 14, 24	22.4	41

225	SS18 regulates pluripotent-somatic transition through phase separation. *Nature Communications*, **2021**, 12, 4090	17.4	5
224	Identification of New Transcription Factors that Can Promote Pluripotent Reprogramming. *Stem Cell Reviews and Reports*, **2021**, 17, 2223-2234	7.3	
223	Chromatin accessibility dynamics during cell fate reprogramming. *EMBO Reports*, **2021**, 22, e51644	6.5	4
222	Myeloid-derived suppressor cells promote lung cancer metastasis by CCL11 to activate ERK and AKT signaling and induce epithelial-mesenchymal transition in tumor cells. *Oncogene*, **2021**, 40, 1476-1489	8.2	7
221	Characterization and generation of human definitive multipotent hematopoietic stem/progenitor cells. *Cell Discovery*, **2020**, 6, 89	22.3	8
220	BMP4 resets mouse epiblast stem cells to naive pluripotency through ZBTB7A/B-mediated chromatin remodelling. *Nature Cell Biology*, **2020**, 22, 651-662	23.4	13
219	Preliminary evidence from a multicenter prospective observational study of the safety and efficacy of chloroquine for the treatment of COVID-19. *National Science Review*, **2020**, 7, 1428-1436	10.8	48
218	Naloxone regulates the differentiation of neural stem cells via a receptor-independent pathway. *FASEB Journal*, **2020**, 34, 5917-5930	0.9	4
217	Treating COVID-19 with Chloroquine. *Journal of Molecular Cell Biology*, **2020**, 12, 322-325	6.3	161
216	The efficacy and safety of CAR-T cell therapy in patients with refractory ALL and concomitant HBV infection. *Leukemia*, **2020**, 34, 2790-2793	10.7	3
215	Metabolic switch and epithelial-mesenchymal transition cooperate to regulate pluripotency. *EMBO Journal*, **2020**, 39, e102961	13	11
214	JMJD3 and UTX determine fidelity and lineage specification of human neural progenitor cells. *Nature Communications*, **2020**, 11, 382	17.4	22
213	Heterochromatin loosening by the Oct4 linker region facilitates Klf4 binding and iPSC reprogramming. *EMBO Journal*, **2020**, 39, e99165	13	11
212	SETDB1-Mediated Cell Fate Transition between 2C-Like and Pluripotent States. *Cell Reports*, **2020**, 30, 25-36.e6	10.6	27
211	A Virus-Infected, Reprogrammed Somatic Cell-Derived Tumor Cell (VIReST) Vaccination Regime Can Prevent Initiation and Progression of Pancreatic Cancer. *Clinical Cancer Research*, **2020**, 26, 465-476	12.9	10
210	JMJD3 acts in tandem with KLF4 to facilitate reprogramming to pluripotency. *Nature Communications*, **2020**, 11, 5061	17.4	11
209	Glis1 facilitates induction of pluripotency via an epigenome-metabolome-epigenome signalling cascade. *Nature Metabolism*, **2020**, 2, 882-892	14.6	22
208	Treatment and Prevention of Lung Cancer Using a Virus-Infected Reprogrammed Somatic Cell-Derived Tumor Cell Vaccination (VIReST) Regime. *Frontiers in Immunology*, **2020**, 11, 1996	8.4	0

207	Induction of Pluripotent Stem Cells from Mouse Embryonic Fibroblasts by Jdp2-Jhdm1b-Mkk6-Glis1-Nanog-Essrb-Sall4. *Cell Reports*, **2019**, 27, 3473-3485.e5	10.6	22
206	Establishment of porcine and human expanded potential stem cells. *Nature Cell Biology*, **2019**, 21, 687-699	23.4	127
205	Vitamin C-dependent lysine demethylase 6 (KDM6)-mediated demethylation promotes a chromatin state that supports the endothelial-to-hematopoietic transition. *Journal of Biological Chemistry*, **2019**, 294, 13657-13670	5.4	24
204	SNX17 Recruits USP9X to Antagonize MIB1-Mediated Ubiquitination and Degradation of PCM1 during Serum-Starvation-Induced Ciliogenesis. *Cells*, **2019**, 8,	7.9	6
203	Rejuvenation of □cells by epigenetic editing. *Journal of Clinical Investigation*, **2019**, 129, 51-52	15.9	1
202	Hemi-methylated CpG sites connect -knockdown-induced and -induced DNA demethylation during somatic cell reprogramming. *Cell Discovery*, **2019**, 5, 11	22.3	7
201	Mesothelin is a target of chimeric antigen receptor T cells for treating gastric cancer. *Journal of Hematology and Oncology*, **2019**, 12, 18	22.4	46
200	Resolving Cell Fate Decisions during Somatic Cell Reprogramming by Single-Cell RNA-Seq. *Molecular Cell*, **2019**, 73, 815-829.e7	17.6	43
199	DNAX-activating protein 10 co-stimulation enhances the anti-tumor efficacy of chimeric antigen receptor T cells. *OncoImmunology*, **2019**, 8, e1509173	7.2	14
198	Mesenchymal-epithelial transition in development and reprogramming. *Nature Cell Biology*, **2019**, 21, 44-53	23.4	104
197	Chromatin Accessibility Dynamics during Chemical Induction of Pluripotency. *Cell Stem Cell*, **2018**, 22, 529-542.e5	18	47
196	Lower genomic stability of induced pluripotent stem cells reflects increased non-homologous end joining. *Cancer Communications*, **2018**, 38, 49	9.4	16
195	Deficiency in class III PI3-kinase confers postnatal lethality with IBD-like features in zebrafish. *Nature Communications*, **2018**, 9, 2639	17.4	26
194	Mouse embryonic stem cells resist c-Jun induced differentiation when in suspension. *Cell Regeneration*, **2018**, 7, 16-21	2.5	
193	The homeobox transcription factor MSX2 partially mediates the effects of bone morphogenetic protein 4 (BMP4) on somatic cell reprogramming. *Journal of Biological Chemistry*, **2018**, 293, 14905-14915	5.4	4
192	BMI1 enables interspecies chimerism with human pluripotent stem cells. *Nature Communications*, **2018**, 9, 4649	17.4	20
191	The Battle between TET Proteins and DNA Methylation for the Right Cell. *Trends in Cell Biology*, **2018**, 28, 973-975	18.3	4
190	Establishment of peripheral blood mononuclear cell-derived humanized lung cancer mouse models for studying efficacy of PD-L1/PD-1 targeted immunotherapy. *MAbs*, **2018**, 10, 1301-1311	6.6	37

189	Short-Term Mitochondrial Permeability Transition Pore Opening Modulates Histone Lysine Methylation at the Early Phase of Somatic Cell Reprogramming. *Cell Metabolism*, **2018**, 28, 935-945.e5	24.6	20
188	RNA Helicase DDX5 Inhibits Reprogramming to Pluripotency by miRNA-Based Repression of RYBP and its PRC1-Dependent and -Independent Functions. *Cell Stem Cell*, **2017**, 20, 462-477.e6	18	43
187	PSCA and MUC1 in non-small-cell lung cancer as targets of chimeric antigen receptor T cells. *OncoImmunology*, **2017**, 6, e1284722	7.2	58
186	A sequential EMT-MET mechanism drives the differentiation of human embryonic stem cells towards hepatocytes. *Nature Communications*, **2017**, 8, 15166	17.4	77
185	Generation of tooth-periodontium complex structures using high-odontogenic potential dental epithelium derived from mouse embryonic stem cells. *Stem Cell Research and Therapy*, **2017**, 8, 141	8.3	6
184	Sequential EMT-MET induces neuronal conversion through Sox2. *Cell Discovery*, **2017**, 3, 17017	22.3	11
183	Incorporation of a hinge domain improves the expansion of chimeric antigen receptor T cells. *Journal of Hematology and Oncology*, **2017**, 10, 68	22.4	43
182	Human Embryo Editing: Opportunities and Importance of Transnational Cooperation. *Cell Stem Cell*, **2017**, 21, 423-426	18	21
181	Chemical reprogramming of mouse embryonic and adult fibroblast into endoderm lineage. *Journal of Biological Chemistry*, **2017**, 292, 19122-19132	5.4	11
180	Defined, serum/feeder-free conditions for expansion and drug screening of primary B-acute lymphoblastic leukemia. *Oncotarget*, **2017**, 8, 106382-106392	3.3	3
179	Passive DNA demethylation preferentially up-regulates pluripotency-related genes and facilitates the generation of induced pluripotent stem cells. *Journal of Biological Chemistry*, **2017**, 292, 18542-18553	5.4	14
178	PRC2 specifies ectoderm lineages and maintains pluripotency in primed but not naïve ESCs. *Nature Communications*, **2017**, 8, 672	17.4	55
177	SNX16 Regulates the Recycling of E-Cadherin through a Unique Mechanism of Coordinated Membrane and Cargo Binding. *Structure*, **2017**, 25, 1251-1263.e5	5.2	14
176	Chromatin Accessibility Dynamics during iPSC Reprogramming. *Cell Stem Cell*, **2017**, 21, 819-833.e6	18	108
175	Kdm2b Regulates Somatic Reprogramming through Variant PRC1 Complex-Dependent Function. *Cell Reports*, **2017**, 21, 2160-2170	10.6	24
174	Models of global gene expression define major domains of cell type and tissue identity. *Nucleic Acids Research*, **2017**, 45, 2354-2367	20.1	31
173	CD215+ Myeloid Cells Respond to Interleukin 15 Stimulation and Promote Tumor Progression. *Frontiers in Immunology*, **2017**, 8, 1713	8.4	4
172	Gadd45a opens up the promoter regions of miR-295 facilitating pluripotency induction. *Cell Death and Disease*, **2017**, 8, e3107	9.8	2

171	GZD824 suppresses the growth of human B cell precursor acute lymphoblastic leukemia cells by inhibiting the SRC kinase and PI3K/AKT pathways. *Oncotarget*, **2017**, 8, 87002-87015	3.3	11
170	Epigenetic Landmarks During Somatic Reprogramming. *IUBMB Life*, **2016**, 68, 854-857	4.7	2
169	Effects of cholic acid modified glucosamine on chondrogenic differentiation. *RSC Advances*, **2016**, 6, 69586-69594	3.7	24
168	TGF□ signaling regulates the choice between pluripotent and neural fates during reprogramming of human urine derived cells. *Scientific Reports*, **2016**, 6, 22484	4.9	10
167	Lysine-specific histone demethylase 1 inhibition promotes reprogramming by facilitating the expression of exogenous transcriptional factors and metabolic switch. *Scientific Reports*, **2016**, 6, 30903	4.9	16
166	Bioethics in China: No wild east. *Nature*, **2016**, 534, 465-7	50.4	5
165	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. *Biomaterials*, **2016**, 87, 1-17	15.6	42
164	Pluripotency without Proliferation. *Cell*, **2016**, 164, 595-7	56.2	3
163	Transient Activation of Mitoflashes Modulates Nanog at the Early Phase of Somatic Cell Reprogramming. *Cell Metabolism*, **2016**, 23, 220-6	24.6	19
162	Anti-GPC3-CAR T Cells Suppress the Growth of Tumor Cells in Patient-Derived Xenografts of Hepatocellular Carcinoma. *Frontiers in Immunology*, **2016**, 7, 690	8.4	114
161	Remission for Loss of Odontogenic Potential in a New Micromilieu In Vitro. *PLoS ONE*, **2016**, 11, e0152893	3.7	10
160	Insight into the maintenance of odontogenic potential in mouse dental mesenchymal cells based on transcriptomic analysis. *PeerJ*, **2016**, 4, e1684	3.1	4
159	Sorting Nexin 11 Regulates Lysosomal Degradation of Plasma Membrane TRPV3. *Traffic*, **2016**, 17, 500-14	3.7	11
158	Gadd45a is a heterochromatin relaxer that enhances iPS cell generation. *EMBO Reports*, **2016**, 17, 1641-1656	6.9	22
157	Srebp-1 Interacts with c-Myc to Enhance Somatic Cell Reprogramming. *Stem Cells*, **2016**, 34, 83-92	5.8	38
156	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. *Biomaterials*, **2015**, 59, 125-43	15.6	66
155	Loss of ATOH8 Increases Stem Cell Features of Hepatocellular Carcinoma Cells. *Gastroenterology*, **2015**, 149, 1068-81.e5	13.3	40
154	The oncogene c-Jun impedes somatic cell reprogramming. *Nature Cell Biology*, **2015**, 17, 856-67	23.4	75

153	Loss of Angiopoietin-like 7 diminishes the regeneration capacity of hematopoietic stem and progenitor cells. *Journal of Hematology and Oncology*, **2015**, 8, 7	22.4	17
152	Autophagy and mTORC1 regulate the stochastic phase of somatic cell reprogramming. *Nature Cell Biology*, **2015**, 17, 715-25	23.4	68
151	Mitochondrial fusion provides an R initial metabolic complementation R controlled by mtDNA. *Cellular and Molecular Life Sciences*, **2015**, 72, 2585-98	10.3	45
150	Factor-induced Reprogramming and Zinc Finger Nuclease-aided Gene Targeting Cause Different Genome Instability in T halassemia Induced Pluripotent Stem Cells (iPSCs). *Journal of Biological Chemistry*, **2015**, 290, 12079-89	5.4	27
149	ANGPTL7 regulates the expansion and repopulation of human hematopoietic stem and progenitor cells. *Haematologica*, **2015**, 100, 585-94	6.6	31
148	Failure to replicate the STAP cell phenomenon. *Nature*, **2015**, 525, E6-9	50.4	34
147	Hallmarks of pluripotency. *Nature*, **2015**, 525, 469-78	50.4	253
146	Transposable elements at the center of the crossroads between embryogenesis, embryonic stem cells, reprogramming, and long non-coding RNAs. *Science Bulletin*, **2015**, 60, 1722-1733	10.6	38
145	Cyclin-dependent kinase-mediated Sox2 phosphorylation enhances the ability of Sox2 to establish the pluripotent state. *Journal of Biological Chemistry*, **2015**, 290, 22782-94	5.4	31
144	The p53-induced lincRNA-p21 derails somatic cell reprogramming by sustaining H3K9me3 and CpG methylation at pluripotency gene promoters. *Cell Research*, **2015**, 25, 80-92	24.7	137
143	Dynamically reorganized chromatin is the key for the reprogramming of somatic cells to pluripotent cells. *Scientific Reports*, **2015**, 5, 17691	4.9	16
142	GATA2(-/-) human ESCs undergo attenuated endothelial to hematopoietic transition and thereafter granulocyte commitment. *Cell Regeneration*, **2015**, 4, 4	2.5	21
141	Induced Pluripotent Stem Cells to Model Human Fibrodysplasia Ossificans Progressiva. *Stem Cell Reports*, **2015**, 5, 963-970	8	49
140	Quantitative evaluation of the immunodeficiency of a mouse strain by tumor engraftments. *Journal of Hematology and Oncology*, **2015**, 8, 59	22.4	35
139	Reprogramming somatic cells to cells with neuronal characteristics by defined medium both in vitro and in vivo. *Cell Regeneration*, **2015**, 4, 12	2.5	12
138	In vitro culture and directed osteogenic differentiation of human pluripotent stem cells on peptides-decorated two-dimensional microenvironment. *ACS Applied Materials & Interfaces*, **2015**, 7, 4560-72	9.5	29
137	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. *Hepatology*, **2015**, 61, 1730-9	11.2	69
136	Characterization of a novel cell penetrating peptide derived from human Oct4. *Cell Regeneration*, **2014**, 3, 2	2.5	20

135	Neural progenitor cells from human induced pluripotent stem cells generated less autogenous immune response. *Science China Life Sciences*, **2014**, 57, 162-70	8.5	15
134	Tet and TDG mediate DNA demethylation essential for mesenchymal-to-epithelial transition in somatic cell reprogramming. *Cell Stem Cell*, **2014**, 14, 512-22	18	241
133	Modeling of hemophilia A using patient-specific induced pluripotent stem cells derived from urine cells. *Life Sciences*, **2014**, 108, 22-9	6.8	38
132	The function and regulation of mesenchymal-to-epithelial transition in somatic cell reprogramming. *Current Opinion in Genetics and Development*, **2014**, 28, 32-7	4.9	27
131	Transcriptional pause release is a rate-limiting step for somatic cell reprogramming. *Cell Stem Cell*, **2014**, 15, 574-88	18	47
130	Cancer: pathological nuclear reprogramming?. *Nature Reviews Cancer*, **2014**, 14, 568-73	31.3	62
129	Application of iPS cells in dental bioengineering and beyond. *Stem Cell Reviews and Reports*, **2014**, 10, 663-70	6.4	16
128	Transitions between epithelial and mesenchymal states during cell fate conversions. *Protein and Cell*, **2014**, 5, 580-91	7.2	34
127	Structure of human SNX10 reveals insights into its role in human autosomal recessive osteopetrosis. *Proteins: Structure, Function and Bioinformatics*, **2014**, 82, 3483-9	4.2	10
126	Where cell fate conversions meet Chinese philosophy. *Cell Research*, **2014**, 24, 1162-3	24.7	8
125	A reciprocal antagonism between miR-376c and TGF-β signaling regulates neural differentiation of human pluripotent stem cells. *FASEB Journal*, **2014**, 28, 4642-56	0.9	12
124	SNX16 negatively regulates the migration and tumorigenesis of MCF-7 cells. *Cell Regeneration*, **2013**, 2, 3	2.5	7
123	Pyrimido[4,5-d]pyrimidin-4(1H)-one Derivatives as Selective Inhibitors of EGFR Threonine790 to Methionine790 (T790M) Mutants. *Angewandte Chemie*, **2013**, 125, 8545-8548	3.6	0
122	Vitamin C modulates TET1 function during somatic cell reprogramming. *Nature Genetics*, **2013**, 45, 1504-9	36.3	214
121	Class IIa histone deacetylases and myocyte enhancer factor 2 proteins regulate the mesenchymal-to-epithelial transition of somatic cell reprogramming. *Journal of Biological Chemistry* , **2013**, 288, 12022-31	5.4	10
120	Ribosomal RNA gene transcription mediated by the master genome regulator protein CCCTC-binding factor (CTCF) is negatively regulated by the condensin complex. *Journal of Biological Chemistry*, **2013**, 288, 26067-26077	5.4	40
119	Transcription activator-like effector nuclease (TALEN)-mediated gene correction in integration-free β-thalassemia induced pluripotent stem cells. *Journal of Biological Chemistry*, **2013**, 288, 34671-9	5.4	128
118	Generation of tooth-like structures from integration-free human urine induced pluripotent stem cells. *Cell Regeneration*, **2013**, 2, 6	2.5	84

117	H3K9 methylation is a barrier during somatic cell reprogramming into iPSCs. *Nature Genetics*, **2013**, 45, 34-42	36.3	379
116	Generation of integration-free neural progenitor cells from cells in human urine. *Nature Methods*, **2013**, 10, 84-9	21.6	161
115	Immediate expression of Cdh2 is essential for efficient neural differentiation of mouse induced pluripotent stem cells. *Stem Cell Research*, **2013**, 10, 338-48	1.6	16
114	MicroRNAs in somatic cell reprogramming. *Current Opinion in Cell Biology*, **2013**, 25, 208-14	9	40
113	Transplanted motoneurons derived from human induced pluripotent stem cells form functional connections with target muscle. *Stem Cell Research*, **2013**, 11, 529-39	1.6	10
112	Sequential introduction of reprogramming factors reveals a time-sensitive requirement for individual factors and a sequential EMT-MET mechanism for optimal reprogramming. *Nature Cell Biology*, **2013**, 15, 829-38	23.4	165
111	Generation of RAG 1- and 2-deficient rabbits by embryo microinjection of TALENs. *Cell Research*, **2013**, 23, 1059-62	24.7	57
110	Piglets cloned from induced pluripotent stem cells. *Cell Research*, **2013**, 23, 162-6	24.7	70
109	Structure of sorting nexin 11 (SNX11) reveals a novel extended phox homology (PX) domain critical for inhibition of SNX10-induced vacuolation. *Journal of Biological Chemistry*, **2013**, 288, 16598-16605	5.4	15
108	The propensity for tumorigenesis in human induced pluripotent stem cells is related with genomic instability. *Chinese Journal of Cancer*, **2013**, 32, 205-12		16
107	Zfyve9a regulates the proliferation of hepatic cells during zebrafish embryogenesis. *International Journal of Developmental Biology*, **2013**, 57, 773-8	1.9	4
106	Low immunogenicity of neural progenitor cells differentiated from induced pluripotent stem cells derived from less immunogenic somatic cells. *PLoS ONE*, **2013**, 8, e69617	3.7	38
105	Generating a non-integrating human induced pluripotent stem cell bank from urine-derived cells. *PLoS ONE*, **2013**, 8, e70573	3.7	121
104	A new diaryl urea compound, D181, induces cell cycle arrest in the G1 and M phases by targeting receptor tyrosine kinases and the microtubule skeleton. *Investigational New Drugs*, **2012**, 30, 490-507	4.3	9
103	Generation of human induced pluripotent stem cells from urine samples. *Nature Protocols*, **2012**, 7, 2080-9	8.8	400
102	The mesenchymal-to-epithelial transition in somatic cell reprogramming. *Current Opinion in Genetics and Development*, **2012**, 22, 423-8	4.9	55
101	EMT and MET as paradigms for cell fate switching. *Journal of Molecular Cell Biology*, **2012**, 4, 66-9	6.3	32
100	Modeling abnormal early development with induced pluripotent stem cells from aneuploid syndromes. *Human Molecular Genetics*, **2012**, 21, 32-45	5.6	55

99	Stem cell science on the rise in China. *Cell Stem Cell*, **2012**, 10, 12-5	18	17
98	Design, synthesis, and biological evaluation of novel conformationally constrained inhibitors targeting epidermal growth factor receptor threonine□methionine□mutant. *Journal of Medicinal Chemistry*, **2012**, 55, 2711-23	8.3	69
97	Order from chaos: single cell reprogramming in two phases. *Cell Stem Cell*, **2012**, 11, 445-7	18	3
96	Cell regeneration- bridging discoveries in applied and basic research. *Cell Regeneration*, **2012**, 1, 1	2.5	1
95	SNX17 regulates Notch pathway and pancreas development through the retromer-dependent recycling of Jag1. *Cell Regeneration*, **2012**, 1, 4	2.5	12
94	An antiapoptotic role of sorting nexin 7 is required for liver development in zebrafish. *Hepatology*, **2012**, 55, 1985-93	11.2	13
93	Somatic cell reprogramming for regenerative medicine: SCNT vs. iPS cells. *BioEssays*, **2012**, 34, 472-6	4.1	13
92	A SNX10/V-ATPase pathway regulates ciliogenesis in vitro and in vivo. *Cell Research*, **2012**, 22, 333-45	24.7	53
91	MicroRNA cluster 302-367 enhances somatic cell reprogramming by accelerating a mesenchymal-to-epithelial transition. *Journal of Biological Chemistry*, **2011**, 286, 17359-64	5.4	201
90	The histone demethylases Jhdm1a/1b enhance somatic cell reprogramming in a vitamin-C-dependent manner. *Cell Stem Cell*, **2011**, 9, 575-87	18	342
89	Generation of induced pluripotent stem cells from urine. *Journal of the American Society of Nephrology: JASN*, **2011**, 22, 1221-8	12.7	279
88	Generation of induced pluripotent stem cell lines from 3 distinct laminopathies bearing heterogeneous mutations in lamin A/C. *Aging*, **2011**, 3, 380-90	5.6	77
87	BMPs functionally replace Klf4 and support efficient reprogramming of mouse fibroblasts by Oct4 alone. *Cell Research*, **2011**, 21, 205-12	24.7	102
86	Reprogramming of mouse and human somatic cells by high-performance engineered factors. *EMBO Reports*, **2011**, 12, 373-8	6.5	75
85	Rescue of ATP7B function in hepatocyte-like cells from Wilson□s disease induced pluripotent stem cells using gene therapy or the chaperone drug curcumin. *Human Molecular Genetics*, **2011**, 20, 3176-87	5.6	126
84	Generation of PPAR□mono-allelic knockout pigs via zinc-finger nucleases and nuclear transfer cloning. *Cell Research*, **2011**, 21, 979-82	24.7	108
83	Lithium, an anti-psychotic drug, greatly enhances the generation of induced pluripotent stem cells. *Cell Research*, **2011**, 21, 1424-35	24.7	90
82	Rational optimization of reprogramming culture conditions for the generation of induced pluripotent stem cells with ultra-high efficiency and fast kinetics. *Cell Research*, **2011**, 21, 884-94	24.7	66

81	Future perspective of induced pluripotent stem cells for diagnosis, drug screening and treatment of human diseases. *Thrombosis and Haemostasis*, **2010**, 104, 39-44	7	41
80	VHL inactivation induces HEF1 and Aurora kinase A. *Journal of the American Society of Nephrology: JASN*, **2010**, 21, 2041-6	12.7	56
79	Induced pluripotent stem cell technology in regenerative medicine and biology. *Advances in Biochemical Engineering/Biotechnology*, **2010**, 123, 127-41	1.7	22
78	Generation of human induced pluripotent stem cells from umbilical cord matrix and amniotic membrane mesenchymal cells. *Journal of Biological Chemistry*, **2010**, 285, 11227-34	5.4	140
77	Induced pluripotent stem cells can be used to model the genomic imprinting disorder Prader-Willi syndrome. *Journal of Biological Chemistry*, **2010**, 285, 40303-11	5.4	82
76	Stem-like cancer cells are inducible by increasing genomic instability in cancer cells. *Journal of Biological Chemistry*, **2010**, 285, 4931-40	5.4	95
75	Towards an optimized culture medium for the generation of mouse induced pluripotent stem cells. *Journal of Biological Chemistry*, **2010**, 285, 31066-72	5.4	51
74	The mighty mice prove pluripotency for iPSCs. *Journal of Molecular Cell Biology*, **2010**, 2, 171-2	6.3	
73	Synthesis of aza-fused polycyclic quinolines through copper-catalyzed cascade reactions. *Organic Letters*, **2010**, 12, 1500-3	6.2	66
72	Differentiation of mouse embryonic stem cells into dental epithelial-like cells induced by ameloblasts serum-free conditioned medium. *Biochemical and Biophysical Research Communications* , **2010**, 394, 342-7	3.4	38
71	Vitamin C enhances the generation of mouse and human induced pluripotent stem cells. *Cell Stem Cell*, **2010**, 6, 71-9	18	762
70	A mesenchymal-to-epithelial transition initiates and is required for the nuclear reprogramming of mouse fibroblasts. *Cell Stem Cell*, **2010**, 7, 51-63	18	902
69	Identification of Niclosamide as a New Small-Molecule Inhibitor of the STAT3 Signaling Pathway. *ACS Medicinal Chemistry Letters*, **2010**, 1, 454-9	4.3	162
68	Porcine induced pluripotent stem cells may bridge the gap between mouse and human iPS. *IUBMB Life*, **2010**, 62, 277-82	4.7	8
67	Regulation of MT1-MMP activity by □catenin in MDCK non-cancer and HT1080 cancer cells. *Journal of Cellular Physiology*, **2010**, 225, 810-21	7	17
66	Sorting nexin 33 induces mammalian cell micronucleated phenotype and actin polymerization by interacting with Wiskott-Aldrich syndrome protein. *Journal of Biological Chemistry*, **2009**, 284, 21659-69	5.4	23
65	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. *Journal of Biological Chemistry*, **2009**, 284, 11748	5.4	78
64	The C-terminal pentapeptide of Nanog tryptophan repeat domain interacts with Nac1 and regulates stem cell proliferation but not pluripotency. *Journal of Biological Chemistry*, **2009**, 284, 16071-16081	5.4	21

63	Induced pluripotent stem cell (iPS) technology: promises and challenges. *Science Bulletin*, **2009**, 54, 2-8		3
62	Mutations of nuclear localization signals in mNANOG generate dominant negative mutants. *Science Bulletin*, **2009**, 54, 1361-1368	10.6	
61	PX domain and CD domain play different roles in localization and vacuolation of Sorting Nexin 10. *Science Bulletin*, **2009**, 54, 3965-3971		5
60	The N-terminal domain is a transcriptional activation domain required for Nanog to maintain ES cell self-renewal. *Science Bulletin*, **2009**, 54, 3271-3277		2
59	Atovaquone derivatives as potent cytotoxic and apoptosis inducing agents. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 5091-4	2.9	19
58	iPS cells: mapping the policy issues. *Cell*, **2009**, 139, 1032-7	56.2	58
57	Increased aggressiveness of human prostate PC-3 tumor cells expressing cell surface localized membrane type-1 matrix metalloproteinase (MT1-MMP). *Journal of Andrology*, **2009**, 30, 259-74		22
56	2008: year of the rat for stem cell research. *Cell Research*, **2009**, 19, 149-51	24.7	1
55	Regulation of pluripotency and reprogramming by transcription factors. *Journal of Biological Chemistry*, **2009**, 284, 3365-9	5.4	77
54	Generation of induced pluripotent stem cell lines from Tibetan miniature pig. *Journal of Biological Chemistry*, **2009**, 284, 17634-40	5.4	319
53	The magic continues for the iPS strategy. *Cell Research*, **2008**, 18, 221-3	24.7	17
52	Mouse meningiocytes express Sox2 and yield high efficiency of chimeras after nuclear reprogramming with exogenous factors. *Journal of Biological Chemistry*, **2008**, 283, 33730-5	5.4	38
51	Fluidic and air-stable supported lipid bilayer and cell-mimicking microarrays. *Journal of the American Chemical Society*, **2008**, 130, 6267-71	16.4	72
50	Esrrb activates Oct4 transcription and sustains self-renewal and pluripotency in embryonic stem cells. *Journal of Biological Chemistry*, **2008**, 283, 35825-33	5.4	112
49	Aromatic residues in the C-terminal domain 2 are required for Nanog to mediate LIF-independent self-renewal of mouse embryonic stem cells. *Journal of Biological Chemistry*, **2008**, 283, 4480-9	5.4	13
48	Copper(I) Iodide Catalyzed Domino Process to Quinazolin-4(3H)-ones. *Synthesis*, **2008**, 2008, 3974-3980	2.9	5
47	An Efficient Synthesis of ABT-263, a Novel Inhibitor of Antiapoptotic Bcl-2 Proteins. *Synthesis*, **2008**, 2008, 2398-2404	2.9	2
46	Direct generation of ES-like cells from unmodified mouse embryonic fibroblasts by Oct4/Sox2/Myc/Klf4. *Cell Research*, **2007**, 17, 959-62	24.7	33

45	A dominant-negative form of mouse SOX2 induces trophectoderm differentiation and progressive polyploidy in mouse embryonic stem cells. *Journal of Biological Chemistry*, **2007**, 282, 19481-92	5.4	69
44	Complete restoration of cell surface activity of transmembrane-truncated MT1-MMP by a glycosylphosphatidylinositol anchor. Implications for MT1-MMP-mediated prommp2 activation and collagenolysis in three-dimensions. *Journal of Biological Chemistry*, **2007**, 282, 6438-43	5.4	8
43	Sorting nexin 10 induces giant vacuoles in mammalian cells. *Journal of Biological Chemistry*, **2006**, 281, 36891-6	5.4	49
42	The roles of substrate thermal stability and P2 and P1Rsubsite identity on matrix metalloproteinase triple-helical peptidase activity and collagen specificity. *Journal of Biological Chemistry*, **2006**, 281, 38302-13	5.4	81
41	Regulation of the pluripotency marker Rex-1 by Nanog and Sox2. *Journal of Biological Chemistry*, **2006**, 281, 23319-25	5.4	138
40	A negative feedback loop of transcription factors that controls stem cell pluripotency and self-renewal. *FASEB Journal*, **2006**, 20, 1730-2	0.9	175
39	Regulation of MT-MMP trafficking by Intracellular Effectors. *FASEB Journal*, **2006**, 20, A521	0.9	
38	Genomic instability in laminopathy-based premature aging. *Nature Medicine*, **2005**, 11, 780-5	50.5	498
37	Matrix metalloproteinases target protease-activated receptors on the tumor cell surface. *Cancer Cell*, **2005**, 7, 207-8	24.3	45
36	Design of wide-spectrum inhibitors targeting coronavirus main proteases. *PLoS Biology*, **2005**, 3, e324	9.7	392
35	Total synthesis of cyclic tetrapeptide FR235222, a potent immunosuppressant that inhibits mammalian histone deacetylases. *Organic Letters*, **2005**, 7, 2775-7	6.2	52
34	The stem cell pluripotency factor NANOG activates transcription with two unusually potent subdomains at its C terminus. *Journal of Biological Chemistry*, **2005**, 280, 1401-7	5.4	60
33	Differential inhibition of membrane type 3 (MT3)-matrix metalloproteinase (MMP) and MT1-MMP by tissue inhibitor of metalloproteinase (TIMP)-2 and TIMP-3 rgulates pro-MMP-2 activation. *Journal of Biological Chemistry*, **2004**, 279, 8592-601	5.4	107
32	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. *Journal of Biological Chemistry*, **2004**, 279, 20461-70	5.4	44
31	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. *Journal of Biological Chemistry*, **2004**, 279, 51148-55	5.4	33
30	Proprotein convertase furin interacts with and cleaves pro-ADAMTS4 (Aggrecanase-1) in the trans-Golgi network. *Journal of Biological Chemistry*, **2004**, 279, 15434-40	5.4	88
29	Co-recycling of MT1-MMP and MT3-MMP through the trans-Golgi network. Identification of DKV582 as a recycling signal. *Journal of Biological Chemistry*, **2004**, 279, 9331-6	5.4	78
28	Identification of a nuclear localization signal in OCT4 and generation of a dominant negative mutant by its ablation. *Journal of Biological Chemistry*, **2004**, 279, 37013-20	5.4	63

27	Membrane type-1 matrix metalloproteinase promotes human melanoma invasion and growth. *Journal of Investigative Dermatology*, **2004**, 122, 167-76	4.3	57
26	An efficient and tunable route to AG7088, a rhinovirus protease inhibitor. *Tetrahedron Letters*, **2004**, 45, 8103-8105	2	8
25	Nuclear localization of the phosphatidylserine receptor protein via multiple nuclear localization signals. *Experimental Cell Research*, **2004**, 293, 154-63	4.2	91
24	Rapid inactivation of alpha-1-proteinase inhibitor by neutrophil specific leukolysin/membrane-type matrix metalloproteinase 6. *Experimental Cell Research*, **2004**, 296, 145-50	4.2	36
23	Limited processing of pro-matrix metalloprotease-2 (gelatinase A) overexpressed by transfection in PC-3 human prostate tumor cells: association with restricted cell surface localization of membrane-type matrix metalloproteinase-1. *Journal of Andrology*, **2004**, 25, 274-85		6
22	Distinct roles of catalytic and pexin-like domains in membrane-type matrix metalloproteinase (MMP)-mediated pro-MMP-2 activation and collagenolysis. *Journal of Biological Chemistry*, **2003**, 278, 38765-71	5.4	31
21	Direct activation of pro-matrix metalloproteinase-2 by leukolysin/membrane-type 6 matrix metalloproteinase/matrix metalloproteinase 25 at the asn(109)-Tyr bond. *Cancer Research*, **2003**, 63, 6758-62	10.1	38
20	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. *Journal of Cellular Physiology*, **2002**, 191, 208-16	7	45
19	Stem cell pluripotency and transcription factor Oct4. *Cell Research*, **2002**, 12, 321-9	24.7	242
18	Therapeutic developments in matrix metalloproteinase inhibition. *Expert Opinion on Therapeutic Patents*, **2002**, 12, 665-707	6.8	23
17	Intracellular activation of human adamalysin 19/disintegrin and metalloproteinase 19 by furin occurs via one of the two consecutive recognition sites. *Journal of Biological Chemistry*, **2002**, 277, 25583-91	5.4	52
16	Oligomerization through hemopexin and cytoplasmic domains regulates the activity and turnover of membrane-type 1 matrix metalloproteinase. *Journal of Biological Chemistry*, **2002**, 277, 8440-8	5.4	109
15	Activation of membrane-type matrix metalloproteinase 3 zymogen by the proprotein convertase furin in the trans-Golgi network. *Cancer Research*, **2002**, 62, 675-81	10.1	64
14	Overexpression of matrix metalloproteinases leads to lethality in transgenic Xenopus laevis: implications for tissue-dependent functions of matrix metalloproteinases during late embryonic development. *Developmental Dynamics*, **2001**, 221, 37-47	2.9	31
13	Shedding of membrane type matrix metalloproteinase 5 by a furin-type convertase: a potential mechanism for down-regulation. *Journal of Biological Chemistry*, **2001**, 276, 35953-60	5.4	42
12	Subcellular distribution and cytokine- and chemokine-regulated secretion of leukolysin/MT6-MMP/MMP-25 in neutrophils. *Journal of Biological Chemistry*, **2001**, 276, 21960-8	5.4	96
11	Melanoma chondroitin sulfate proteoglycan regulates matrix metalloproteinase-dependent human melanoma invasion into type I collagen. *Journal of Biological Chemistry*, **2001**, 276, 18786-94	5.4	71
10	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. *Journal of Biological Chemistry*, **2000**, 275, 33988-97	5.4	88

9	Functional characterization of MT3-MMP in transfected MDCK cells: progelatinase A activation and tubulogenesis in 3-D collagen lattice. *FASEB Journal*, **2000**, 14, 2559-68	0.9	44
8	Identification and characterization of the fifth membrane-type matrix metalloproteinase MT5-MMP. *Journal of Biological Chemistry*, **1999**, 274, 8925-32	5.4	197
7	Leukolysin/MMP25/MT6-MMP: a novel matrix metalloproteinase specifically expressed in the leukocyte lineage. *Cell Research*, **1999**, 9, 291-303	24.7	167
6	CA-MMP: a matrix metalloproteinase with a novel cysteine array, but without the classic cysteine switch. *FEBS Letters*, **1999**, 457, 262-70	3.8	39
5	Expression, purification and characterization of recombinant mouse MT5-MMP protein products. *FEBS Letters*, **1999**, 462, 261-6	3.8	43
4	A high-level mammalian expression system based on the Madin-Darby canine kidney cell line. *Protein Expression and Purification*, **1998**, 13, 277-81	2	14
3	Transmembrane-deletion mutants of the membrane-type matrix metalloproteinase-1 process progelatinase A and express intrinsic matrix-degrading activity. *Journal of Biological Chemistry*, **1996**, 271, 9135-40	5.4	299
2	Furin-dependent intracellular activation of the human stromelysin-3 zymogen. *Nature*, **1995**, 375, 244-7	50.4	538
1	Resolution of Reprogramming Transition States by Single Cell RNA-Sequencing		1