

# Qi Zhou

## List of Publications by Citations

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199  
papers

11,674  
citations

50  
h-index

104  
g-index

213  
ext. papers

14,507  
ext. citations

13.3  
avg, IF

6.08  
L-index

#	Paper	IF	Citations
199	Nuclear m(6)A Reader YTHDC1 Regulates mRNA Splicing. <i>Molecular Cell</i> , <b>2016</b> , 61, 507-519	17.6	847
198	Generation of gene-modified cynomolgus monkey via Cas9/RNA-mediated gene targeting in one-cell embryos. <i>Cell</i> , <b>2014</b> , 156, 836-43	56.2	764
197	Sperm tsRNAs contribute to intergenerational inheritance of an acquired metabolic disorder. <i>Science</i> , <b>2016</b> , 351, 397-400	33.3	713
196	iPS cells produce viable mice through tetraploid complementation. <i>Nature</i> , <b>2009</b> , 461, 86-90	50.4	633
195	m(6)A RNA methylation is regulated by microRNAs and promotes reprogramming to pluripotency. <i>Cell Stem Cell</i> , <b>2015</b> , 16, 289-301	18	367
194	Programming and inheritance of parental DNA methylomes in mammals. <i>Cell</i> , <b>2014</b> , 157, 979-991	56.2	347
193	Simultaneous generation and germline transmission of multiple gene mutations in rat using CRISPR-Cas systems. <i>Nature Biotechnology</i> , <b>2013</b> , 31, 684-6	44.5	339
192	One-step generation of knockout pigs by zygote injection of CRISPR/Cas system. <i>Cell Research</i> , <b>2014</b> , 24, 372-5	24.7	331
191	Generation of fertile cloned rats by regulating oocyte activation. <i>Science</i> , <b>2003</b> , 302, 1179	33.3	294
190	Complete Meiosis from Embryonic Stem Cell-Derived Germ Cells In Vitro. <i>Cell Stem Cell</i> , <b>2016</b> , 18, 330-40	18	250
189	Functional 3D Neural Mini-Tissues from Printed Gel-Based Bioink and Human Neural Stem Cells. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 1429-38	10.1	237
188	MicroRNA-494 promotes cancer progression and targets adenomatous polyposis coli in colorectal cancer. <i>Molecular Cancer</i> , <b>2018</b> , 17, 1	42.1	218
187	Activation of the imprinted Dlk1-Dio3 region correlates with pluripotency levels of mouse stem cells. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 19483-90	5.4	218
186	A novel class of tRNA-derived small RNAs extremely enriched in mature mouse sperm. <i>Cell Research</i> , <b>2012</b> , 22, 1609-12	24.7	212
185	On the origin of new genes in Drosophila. <i>Genome Research</i> , <b>2008</b> , 18, 1446-55	9.7	191
184	Mettl3-mediated mA regulates spermatogonial differentiation and meiosis initiation. <i>Cell Research</i> , <b>2017</b> , 27, 1100-1114	24.7	186
183	Dnmt2 mediates intergenerational transmission of paternally acquired metabolic disorders through sperm small non-coding RNAs. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 535-540	23.4	183

182	Mettl3-mediated mRNA m <sup>A</sup> methylation promotes dendritic cell activation. <i>Nature Communications</i> , <b>2019</b> , 10, 1898	17.4	167
181	Derivation of human embryonic stem cell lines from parthenogenetic blastocysts. <i>Cell Research</i> , <b>2007</b> , 17, 1008-19	24.7	161
180	TALEN-mediated gene mutagenesis in rhesus and cynomolgus monkeys. <i>Cell Stem Cell</i> , <b>2014</b> , 14, 323-328		155
179	Cloned ferrets produced by somatic cell nuclear transfer. <i>Developmental Biology</i> , <b>2006</b> , 293, 439-48	3.1	136
178	Androgenetic haploid embryonic stem cells produce live transgenic mice. <i>Nature</i> , <b>2012</b> , 490, 407-11	50.4	129
177	METTL3-mediated m <sup>6</sup> A modification is required for cerebellar development. <i>PLoS Biology</i> , <b>2018</b> , 16, e2004880	9.7	128
176	Direct reprogramming of Sertoli cells into multipotent neural stem cells by defined factors. <i>Cell Research</i> , <b>2012</b> , 22, 208-18	24.7	123
175	CDetection: CRISPR-Cas12b-based DNA detection with sub-attomolar sensitivity and single-base specificity. <i>Genome Biology</i> , <b>2019</b> , 20, 132	18.3	117
174	Single-Cell Transcriptomic Atlas of Primate Ovarian Aging. <i>Cell</i> , <b>2020</b> , 180, 585-600.e19	56.2	113
173	Brief report: combined chemical treatment enables Oct4-induced reprogramming from mouse embryonic fibroblasts. <i>Stem Cells</i> , <b>2011</b> , 29, 549-53	5.8	111
172	Repurposing CRISPR-Cas12b for mammalian genome engineering. <i>Cell Discovery</i> , <b>2018</b> , 4, 63	22.3	110
171	SARS-CoV-2 detection with CRISPR diagnostics. <i>Cell Discovery</i> , <b>2020</b> , 6, 34	22.3	104
170	Reconstitution of using CRISPR/Cas9 in the white adipose tissue of pigs decreases fat deposition and improves thermogenic capacity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9474-E9482	11.5	101
169	Allogeneic cell therapy using umbilical cord MSCs on collagen scaffolds for patients with recurrent uterine adhesion: a phase I clinical trial. <i>Stem Cell Research and Therapy</i> , <b>2018</b> , 9, 192	8.3	94
168	CRISPR germline engineering--the community speaks. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 478-86	44.5	91
167	Caloric Restriction Reprograms the Single-Cell Transcriptional Landscape of Rattus Norvegicus Aging. <i>Cell</i> , <b>2020</b> , 180, 984-1001.e22	56.2	91
166	SIRT6 deficiency results in developmental retardation in cynomolgus monkeys. <i>Nature</i> , <b>2018</b> , 560, 661-665	55.4	91
165	Generation of Cynomolgus Monkey Chimeric Fetuses using Embryonic Stem Cells. <i>Cell Stem Cell</i> , <b>2015</b> , 17, 116-24	18	84

164	Generation and characterization of rabbit embryonic stem cells. <i>Stem Cells</i> , <b>2007</b> , 25, 481-9	5.8	79
163	One-step generation of triple gene-targeted pigs using CRISPR/Cas9 system. <i>Scientific Reports</i> , <b>2016</b> , 6, 20620	4.9	79
162	One-step generation of p53 gene biallelic mutant Cynomolgus monkey via the CRISPR/Cas system. <i>Cell Research</i> , <b>2015</b> , 25, 258-61	24.7	71
161	Genetic modification and screening in rat using haploid embryonic stem cells. <i>Cell Stem Cell</i> , <b>2014</b> , 14, 404-14	18	71
160	Piglets cloned from induced pluripotent stem cells. <i>Cell Research</i> , <b>2013</b> , 23, 162-6	24.7	70
159	Dynamic transcriptional symmetry-breaking in pre-implantation mammalian embryo development revealed by single-cell RNA-seq. <i>Development (Cambridge)</i> , <b>2015</b> , 142, 3468-77	6.6	67
158	CRISPR/Cas9-mediated Dax1 knockout in the monkey recapitulates human AHC-HH. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 7255-64	5.6	64
157	Transgenic rhesus monkeys produced by gene transfer into early-cleavage-stage embryos using a simian immunodeficiency virus-based vector. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 17663-7	11.5	63
156	Deciphering neo-sex and B chromosome evolution by the draft genome of <i>Drosophila albomicans</i> . <i>BMC Genomics</i> , <b>2012</b> , 13, 109	4.5	59
155	ATG3-dependent autophagy mediates mitochondrial homeostasis in pluripotency acquirement and maintenance. <i>Autophagy</i> , <b>2016</b> , 12, 2000-2008	10.2	59
154	Endothelial-specific mA modulates mouse hematopoietic stem and progenitor cell development via Notch signaling. <i>Cell Research</i> , <b>2018</b> , 28, 249-252	24.7	58
153	Somatic nucleus reprogramming is significantly improved by m-carboxycinnamic acid bishydroxamide, a histone deacetylase inhibitor. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 31002-10	5.4	54
152	Three-dimensional bio-printing. <i>Science China Life Sciences</i> , <b>2015</b> , 58, 411-9	8.5	53
151	Efficient CRISPR/Cas9-mediated biallelic gene disruption and site-specific knockin after rapid selection of highly active sgRNAs in pigs. <i>Scientific Reports</i> , <b>2015</b> , 5, 13348	4.9	52
150	Asymmetric Expression of LincGET Biases Cell Fate in Two-Cell Mouse Embryos. <i>Cell</i> , <b>2018</b> , 175, 1887-1906	21.8	52
149	Protein expression profile of the mouse metaphase-II oocyte. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 4821-30	5.6	48
148	Viable fertile mice generated from fully pluripotent iPS cells derived from adult somatic cells. <i>Stem Cell Reviews and Reports</i> , <b>2010</b> , 6, 390-7	6.4	44
147	High autophagic flux guards ESC identity through coordinating autophagy machinery gene program by FOXO1. <i>Cell Death and Differentiation</i> , <b>2017</b> , 24, 1672-1680	12.7	41

146	Human Clinical-Grade Parthenogenetic ESC-Derived Dopaminergic Neurons Recover Locomotive Defects of Nonhuman Primate Models of Parkinson's Disease. <i>Stem Cell Reports</i> , <b>2018</b> , 11, 171-182	8	41
145	A novel long intergenic noncoding RNA indispensable for the cleavage of mouse two-cell embryos. <i>EMBO Reports</i> , <b>2016</b> , 17, 1452-1470	6.5	41
144	Mitochondrial Dynamics Is Critical for the Full Pluripotency and Embryonic Developmental Potential of Pluripotent Stem Cells. <i>Cell Metabolism</i> , <b>2019</b> , 29, 979-992.e4	24.6	41
143	Enhanced mammalian genome editing by new Cas12a orthologs with optimized crRNA scaffolds. <i>Genome Biology</i> , <b>2019</b> , 20, 15	18.3	40
142	Dissecting signaling pathways that govern self-renewal of rabbit embryonic stem cells. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 35929-40	5.4	40
141	Generation of clinical-grade human induced pluripotent stem cells in Xeno-free conditions. <i>Stem Cell Research and Therapy</i> , <b>2015</b> , 6, 223	8.3	38
140	On the origin and evolution of new genes--a genomic and experimental perspective. <i>Journal of Genetics and Genomics</i> , <b>2008</b> , 35, 639-48	4	38
139	Mice generated from tetraploid complementation competent iPS cells show similar developmental features as those from ES cells but are prone to tumorigenesis. <i>Cell Research</i> , <b>2011</b> , 21, 1634-7	24.7	36
138	Chromatin as a regulative architecture of the early developmental functions of mammalian embryos after fertilization or nuclear transfer. <i>Cloning and Stem Cells</i> , <b>2002</b> , 4, 363-77		36
137	Human embryonic stem cell-derived retinal pigment epithelium transplants as a potential treatment for wet age-related macular degeneration. <i>Cell Discovery</i> , <b>2018</b> , 4, 50	22.3	36
136	Generation of induced pluripotent stem cells with high efficiency from human umbilical cord blood mononuclear cells. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2013</b> , 11, 304-11	6.5	35
135	Generation of dopaminergic neurons directly from mouse fibroblasts and fibroblast-derived neural progenitors. <i>Cell Research</i> , <b>2012</b> , 22, 769-72	24.7	35
134	Production of mice using iPS cells and tetraploid complementation. <i>Nature Protocols</i> , <b>2010</b> , 5, 963-71	18.8	34
133	Neo-sex chromosomes in the black muntjac recapitulate incipient evolution of mammalian sex chromosomes. <i>Genome Biology</i> , <b>2008</b> , 9, R98	18.3	34
132	Report of the International Stem Cell Banking Initiative Workshop Activity: Current Hurdles and Progress in Seed-Stock Banking of Human Pluripotent Stem Cells. <i>Stem Cells Translational Medicine</i> , <b>2017</b> , 6, 1956-1962	6.9	33
131	Revisiting the Warnock rule. <i>Nature Biotechnology</i> , <b>2017</b> , 35, 1029-1042	44.5	33
130	Successful generation of cloned mice using nuclear transfer from induced pluripotent stem cells. <i>Cell Research</i> , <b>2010</b> , 20, 850-3	24.7	33
129	Generation of Bimaternal and Bipaternal Mice from Hypomethylated Haploid ESCs with Imprinting Region Deletions. <i>Cell Stem Cell</i> , <b>2018</b> , 23, 665-676.e4	18	33

128	Generation and Application of Mouse-Rat Allodiploid Embryonic Stem Cells. <i>Cell</i> , <b>2016</b> , 164, 279-292	56.2	32
127	Rapid conversion of human ESCs into mouse ESC-like pluripotent state by optimizing culture conditions. <i>Protein and Cell</i> , <b>2012</b> , 3, 71-9	7.2	32
126	Editing porcine IGF2 regulatory element improved meat production in Chinese Bama pigs. <i>Cellular and Molecular Life Sciences</i> , <b>2018</b> , 75, 4619-4628	10.3	32
125	Assessment of the developmental competence of human somatic cell nuclear transfer embryos by oocyte morphology classification. <i>Human Reproduction</i> , <b>2009</b> , 24, 649-57	5.7	31
124	Single-cell transcriptomic atlas of primate cardiopulmonary aging. <i>Cell Research</i> , <b>2021</b> , 31, 415-432	24.7	31
123	Human embryonic stem cells contribute to embryonic and extraembryonic lineages in mouse embryos upon inhibition of apoptosis. <i>Cell Research</i> , <b>2018</b> , 28, 126-129	24.7	31
122	Epigenetic reprogramming, gene expression and in vitro development of porcine SCNT embryos are significantly improved by a histone deacetylase inhibitor--m-carboxycinnamic acid bishydroxamide (CBHA). <i>Protein and Cell</i> , <b>2014</b> , 5, 382-93	7.2	30
121	Treatment of multiple sclerosis by transplantation of neural stem cells derived from induced pluripotent stem cells. <i>Science China Life Sciences</i> , <b>2016</b> , 59, 950-7	8.5	30
120	Genome editing in large animals: current status and future prospects. <i>National Science Review</i> , <b>2019</b> , 6, 402-420	10.8	29
119	TALEN-based generation of a cynomolgus monkey disease model for human microcephaly. <i>Cell Research</i> , <b>2016</b> , 26, 1048-61	24.7	28
118	Parthenogenetic haploid embryonic stem cells produce fertile mice. <i>Cell Research</i> , <b>2013</b> , 23, 1330-3	24.7	28
117	Immunity-and-matrix-regulatory cells derived from human embryonic stem cells safely and effectively treat mouse lung injury and fibrosis. <i>Cell Research</i> , <b>2020</b> , 30, 794-809	24.7	27
116	Efficient and rapid generation of induced pluripotent stem cells using an alternative culture medium. <i>Cell Research</i> , <b>2010</b> , 20, 383-6	24.7	27
115	Accreditation of Biosafe Clinical-Grade Human Embryonic Stem Cells According to Chinese Regulations. <i>Stem Cell Reports</i> , <b>2017</b> , 9, 366-380	8	25
114	Birth of fertile bimaternal offspring following intracytoplasmic injection of parthenogenetic haploid embryonic stem cells. <i>Cell Research</i> , <b>2016</b> , 26, 135-8	24.7	25
113	Tbx3 and Nr5 $\beta$ play important roles in pig pluripotent stem cells. <i>Stem Cell Reviews and Reports</i> , <b>2013</b> , 9, 700-8	6.4	24
112	Germline acquisition of Cas9/RNA-mediated gene modifications in monkeys. <i>Cell Research</i> , <b>2015</b> , 25, 262-5	24.7	23
111	Pluripotency maintenance in mouse somatic cell nuclear transfer embryos and its improvement by treatment with the histone deacetylase inhibitor TSA. <i>Cellular Reprogramming</i> , <b>2011</b> , 13, 47-56	2.1	23

110	Cyclin B3 is required for metaphase to anaphase transition in oocyte meiosis I. <i>Journal of Cell Biology</i> , <b>2019</b> , 218, 1553-1563	7.3	23
109	Lmx1a enhances the effect of iNSCs in a PD model. <i>Stem Cell Research</i> , <b>2015</b> , 14, 1-9	1.6	22
108	Human parthenogenetic embryonic stem cells: one potential resource for cell therapy. <i>Science in China Series C: Life Sciences</i> , <b>2009</b> , 52, 599-602		22
107	Creation of miniature pig model of human Waardenburg syndrome type 2A by ENU mutagenesis. <i>Human Genetics</i> , <b>2017</b> , 136, 1463-1475	6.3	21
106	Efficient generation of mouse ESCs-like pig induced pluripotent stem cells. <i>Protein and Cell</i> , <b>2014</b> , 5, 338-42	7.2	21
105	Generation of Mouse Haploid Somatic Cells by Small Molecules for Genome-wide Genetic Screening. <i>Cell Reports</i> , <b>2017</b> , 20, 2227-2237	10.6	21
104	Pilot study of large-scale production of mutant pigs by ENU mutagenesis. <i>ELife</i> , <b>2017</b> , 6,	8.9	21
103	Rosa26 locus supports tissue-specific promoter driving transgene expression specifically in pig. <i>PLoS ONE</i> , <b>2014</b> , 9, e107945	3.7	21
102	iPS cells generated without c-Myc have active Dlk1-Dio3 region and are capable of producing full-term mice through tetraploid complementation. <i>Cell Research</i> , <b>2011</b> , 21, 550-3	24.7	21
101	Homologous feeder cells support undifferentiated growth and pluripotency in monkey embryonic stem cells. <i>Stem Cells</i> , <b>2005</b> , 23, 1192-9	5.8	20
100	Thyroid hormone regulates hematopoiesis via the TR-KLF9 axis. <i>Blood</i> , <b>2017</b> , 130, 2161-2170	2.2	19
99	Precisely controlling endogenous protein dosage in hPSCs and derivatives to model FOXP1 syndrome. <i>Nature Communications</i> , <b>2019</b> , 10, 928	17.4	19
98	Overcoming Intrinsic H3K27me3 Imprinting Barriers Improves Post-implantation Development after Somatic Cell Nuclear Transfer. <i>Cell Stem Cell</i> , <b>2020</b> , 27, 315-325.e5	18	19
97	Tet3-Mediated DNA Demethylation Contributes to the Direct Conversion of Fibroblast to Functional Neuron. <i>Cell Reports</i> , <b>2016</b> , 17, 2326-2339	10.6	19
96	Conversion of Fibroblasts to Parvalbumin Neurons by One Transcription Factor, Ascl1, and the Chemical Compound Forskolin. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 13560-70	5.4	19
95	Stabilization of heterochromatin by CLOCK promotes stem cell rejuvenation and cartilage regeneration. <i>Cell Research</i> , <b>2021</b> , 31, 187-205	24.7	18
94	Impaired lipid metabolism by age-dependent DNA methylation alterations accelerates aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 4328-4336	11.5	17
93	Domesticated cynomolgus monkey embryonic stem cells allow the generation of neonatal interspecies chimeric pigs. <i>Protein and Cell</i> , <b>2020</b> , 11, 97-107	7.2	17

92	Synthesis and biological activity of salinomycin-hydroxamic acid conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 1624-1626	2.9	16
91	Durable pluripotency and haploidy in epiblast stem cells derived from haploid embryonic stem cells in vitro. <i>Journal of Molecular Cell Biology</i> , <b>2015</b> , 7, 326-37	6.3	16
90	Structure-activity & structure-toxicity relationship study of salinomycin diastereoisomers and their benzoylated derivatives. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 2840-5	3.9	16
89	Lower genomic stability of induced pluripotent stem cells reflects increased non-homologous end joining. <i>Cancer Communications</i> , <b>2018</b> , 38, 49	9.4	16
88	Overcoming Autocrine FGF Signaling-Induced Heterogeneity in Naive Human ESCs Enables Modeling of Random X Chromosome Inactivation. <i>Cell Stem Cell</i> , <b>2020</b> , 27, 482-497.e4	18	16
87	A genome-wide CRISPR-based screen identifies as a driver of cellular senescence. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	16
86	Transplantable neural progenitor populations derived from rhesus monkey embryonic stem cells. <i>Stem Cells</i> , <b>2005</b> , 23, 1295-303	5.8	15
85	Synthesis and biological activity evaluation of 20-epi-salinomycin and its 20-O-acyl derivatives. <i>RSC Advances</i> , <b>2016</b> , 6, 41885-41890	3.7	15
84	A fully defined static suspension culture system for large-scale human embryonic stem cell production. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 892	9.8	15
83	Efficient Production of Fluorescent Transgenic Rats using the piggyBac Transposon. <i>Scientific Reports</i> , <b>2016</b> , 6, 33225	4.9	14
82	Sox2 and Klf4 as the Functional Core in Pluripotency Induction without Exogenous Oct4. <i>Cell Reports</i> , <b>2019</b> , 29, 1986-2000.e8	10.6	14
81	Mitochondrially produced ATP affects stem cell pluripotency via Actl6a-mediated histone acetylation. <i>FASEB Journal</i> , <b>2018</b> , 32, 1891-1902	0.9	14
80	Balancing the welfare: the use of non-human primates in research. <i>Trends in Genetics</i> , <b>2014</b> , 30, 476-8	8.5	13
79	Artificial sgRNAs engineered for genome editing with new Cas12b orthologs. <i>Cell Discovery</i> , <b>2019</b> , 5, 23	22.3	12
78	Generation of qualified clinical-grade functional hepatocytes from human embryonic stem cells in chemically defined conditions. <i>Cell Death and Disease</i> , <b>2019</b> , 10, 763	9.8	12
77	Haploid embryonic stem cells serve as a new tool for mammalian genetic study. <i>Stem Cell Research and Therapy</i> , <b>2014</b> , 5, 20	8.3	12
76	A modified culture method significantly improves the development of mouse somatic cell nuclear transfer embryos. <i>Reproduction</i> , <b>2009</b> , 138, 301-8	3.8	12
75	A single-cell transcriptomic atlas of primate pancreatic islet aging. <i>National Science Review</i> , <b>2021</b> , 8, nwaa1027	10.27	12



74	Therapeutic Effects of Human Umbilical Cord-Derived Mesenchymal Stem Cells on Canine Radiation-Induced Lung Injury. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2018</b> , 102, 407-416	4	12
73	Rat embryonic stem cells produce fertile offspring through tetraploid complementation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 11974-11979 <sup>11.5</sup>	11.5	11
72	Derivation of a Homozygous Human Androgenetic Embryonic Stem Cell Line. <i>Stem Cells and Development</i> , <b>2015</b> , 24, 2307-16	4.4	11
71	HSPC117 deficiency in cloned embryos causes placental abnormality and fetal death. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 397, 407-12	3.4	11
70	Generation of GGTA1-/-M-/-CIITA-/- Pigs Using CRISPR/Cas9 Technology to Alleviate Xenogeneic Immune Reactions. <i>Transplantation</i> , <b>2020</b> , 104, 1566-1573	1.8	11
69	Three-dimensional bioprinting speeds up smart regenerative medicine. <i>National Science Review</i> , <b>2016</b> , 3, 331-344	10.8	11
68	Intra-articular delivery of umbilical cord-derived mesenchymal stem cells temporarily retard the progression of osteoarthritis in a rat model. <i>International Journal of Rheumatic Diseases</i> , <b>2020</b> , 23, 778-787 <sup>2.3</sup>	2.3	11
67	Immunogenicity and functional evaluation of iPSC-derived organs for transplantation. <i>Cell Discovery</i> , <b>2015</b> , 1, 15015	22.3	10
66	Generation of fertile offspring from Kit(w)/Kit(wv) mice through differentiation of gene corrected nuclear transfer embryonic stem cells. <i>Cell Research</i> , <b>2015</b> , 25, 851-63	24.7	9
65	Generation of transgenic rats through induced pluripotent stem cells. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 27150-27158	5.4	9
64	A non-invasive method to determine the pluripotent status of stem cells by culture medium microRNA expression detection. <i>Scientific Reports</i> , <b>2016</b> , 6, 22380	4.9	9
63	Stem Cell Bioprinting: Functional 3D Neural Mini-Tissues from Printed Gel-Based Bioink and Human Neural Stem Cells (Adv. Healthcare Mater. 12/2016). <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 1428-1428 <sup>10.1</sup>	10.1	9
62	Derivation of Mouse Haploid Trophoblast Stem Cells. <i>Cell Reports</i> , <b>2019</b> , 26, 407-414.e5	10.6	9
61	Induced Pluripotent Stem Cells Can Effectively Differentiate into Multiple Functional Lymphocyte Lineages In Vivo with Negligible Bias. <i>Stem Cells and Development</i> , <b>2016</b> , 25, 462-71	4.4	8
60	Design and synthesis of conformationally constrained salinomycin derivatives. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 138, 353-356	6.8	8
59	Rapidly generating knockout mice from H19-Igf2 engineered androgenetic haploid embryonic stem cells. <i>Cell Discovery</i> , <b>2015</b> , 1, 15031	22.3	8
58	Derivation of germline competent rat embryonic stem cells from DA rats. <i>Journal of Genetics and Genomics</i> , <b>2012</b> , 39, 603-6	4	8
57	Generation of cell-type-specific gene mutations by expressing the sgRNA of the CRISPR system from the RNA polymerase II promoters. <i>Protein and Cell</i> , <b>2015</b> , 6, 689-692	7.2	7

56	General requirements for stem cells. <i>Cell Proliferation</i> , <b>2020</b> , 53, e12926	7.9	7
55	In vitro testicular organogenesis from human fetal gonads produces fertilization-competent spermatids. <i>Cell Research</i> , <b>2020</b> , 30, 244-255	24.7	7
54	Deciphering primate retinal aging at single-cell resolution. <i>Protein and Cell</i> , <b>2021</b> , 12, 889-898	7.2	7
53	A harlequin ichthyosis pig model with a novel ABCA12 mutation can be rescued by acitretin treatment. <i>Journal of Molecular Cell Biology</i> , <b>2019</b> , 11, 1029-1041	6.3	6
52	Generation of an lncRNA Gtl2-GFP reporter for rapid assessment of pluripotency in mouse induced pluripotent stem cells. <i>Journal of Genetics and Genomics</i> , <b>2015</b> , 42, 125-8	4	6
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45	The effect of clinical-grade retinal pigment epithelium derived from human embryonic stem cells using different transplantation strategies. <i>Protein and Cell</i> , <b>2019</b> , 10, 455-460	7.2	5
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33	Long noncoding RNA sponges mmu-miR-139-5p to modulate functions in mouse ESCs and embryos. <i>RNA Biology</i> , <b>2021</b> , 18, 875-887	4.8	4
32	A phase I clinical trial of human embryonic stem cell-derived retinal pigment epithelial cells for early-stage Stargardt macular degeneration: 5-yearsTfollow-up. <i>Cell Proliferation</i> , <b>2021</b> , 54, e13100	7.9	4
31	Co-participation of paternal and maternal genomes before the blastocyst stage is not required for full-term development of mouse embryos. <i>Journal of Molecular Cell Biology</i> , <b>2015</b> , 7, 486-8	6.3	3
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