# Qi Zhou

## List of Publications by Year in Descending Order



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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 | Pharmacological regulation of tissue fibrosis by targeting the mechanical contraction of myofibroblasts. *Fundamental Research*, **2022**, 2, 37-47 | | |
| 198 | A framework for the responsible reform of the 14-day rule in human embryo research.. *Protein and Cell*, **2022**, 1 | 7.2 | 0 |
| 197 | Pharmacological Perturbation of Mechanical Contractility Enables Robust Transdifferentiation of Human Fibroblasts into Neurons.. *Advanced Science*, **2022**, e2104682 | 13.6 | 1 |
| 196 | Current status of clinical trials assessing mesenchymal stem cell therapy for graft versus host disease: a systematic review.. *Stem Cell Research and Therapy*, **2022**, 13, 93 | 8.3 | 2 |
| 195 | Generation and characterization of stable pig pregastrulation epiblast stem cell lines. *Cell Research*, **2021**, | 24.7 | 4 |
| 194 | Developing standards to support the clinical translation of stem cells. *Stem Cells Translational Medicine*, **2021**, 10 Suppl 2, S85-S95 | 6.9 | 3 |
| 193 | Hyperthermia differentially affects specific human stem cells and their differentiated derivatives. *Protein and Cell*, **2021**, 1 | 7.2 | 1 |
| 192 | Deciphering primate retinal aging at single-cell resolution. *Protein and Cell*, **2021**, 12, 889-898 | 7.2 | 7 |
| 191 | Transcriptome and DNA Methylation Profiles of Mouse Fetus and Placenta Generated by Round Spermatid Injection. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 632183 | 5.7 | 1 |
| 190 | Single-nucleus transcriptomic landscape of primate hippocampal aging. *Protein and Cell*, **2021**, 12, 695-716 | 7.2 | 6 |
| 189 | Diagnosis and Treatment Guidelines for Mesenchymal Stem Cell Therapy for Coronavirus Disease 2019 (Beijing, 2021). *Infectious Diseases & Immunity*, **2021**, 1, 68-73 | | 1 |
| 188 | A single-cell transcriptomic atlas of primate pancreatic islet aging. *National Science Review*, **2021**, 8, nwaa127 | 11.7 | 12 |
| 187 | Stabilization of heterochromatin by CLOCK promotes stem cell rejuvenation and cartilage regeneration. *Cell Research*, **2021**, 31, 187-205 | 24.7 | 18 |
| 186 | Long noncoding RNA sponges mmu-miR-139-5p to modulate functions in mouse ESCs and embryos. *RNA Biology*, **2021**, 18, 875-887 | 4.8 | 4 |
| 185 | Single-cell transcriptomic atlas of primate cardiopulmonary aging. *Cell Research*, **2021**, 31, 415-432 | 24.7 | 31 |
| 184 | Continuous expression of reprogramming factors induces and maintains mouse pluripotency without specific growth factors and signaling inhibitors. *Cell Proliferation*, **2021**, 54, e13090 | 7.9 | 1 |
| 183 | A phase I clinical trial of human embryonic stem cell-derived retinal pigment epithelial cells for early-stage Stargardt macular degeneration: 5-yearsTfollow-up. *Cell Proliferation*, **2021**, 54, e13100 | 7.9 | 4 |

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| 182 | A genome-wide CRISPR-based screen identifies as a driver of cellular senescence. *Science Translational Medicine*, **2021**, 13, | 17.5 | 16 |
| 181 | General requirements for stem cells. *Cell Proliferation*, **2020**, 53, e12926 | 7.9 | 7 |
| 180 | SARS-CoV-2 detection with CRISPR diagnostics. *Cell Discovery*, **2020**, 6, 34 | 22.3 | 104 |
| 179 | Treating Bietti crystalline dystrophy in a high-fat diet-exacerbated murine model using gene therapy. *Gene Therapy*, **2020**, 27, 370-382 | 4 | 4 |
| 178 | Haploid pluripotent stem cells: twofold benefits with half the effort in genetic screening and reproduction. *Current Opinion in Genetics and Development*, **2020**, 64, 6-12 | 4.9 | 0 |
| 177 | Immunity-and-matrix-regulatory cells derived from human embryonic stem cells safely and effectively treat mouse lung injury and fibrosis. *Cell Research*, **2020**, 30, 794-809 | 24.7 | 27 |
| 176 | Overcoming Intrinsic H3K27me3 Imprinting Barriers Improves Post-implantation Development after Somatic Cell Nuclear Transfer. *Cell Stem Cell*, **2020**, 27, 315-325.e5 | 18 | 19 |
| 175 | In vitro testicular organogenesis from human fetal gonads produces fertilization-competent spermatids. *Cell Research*, **2020**, 30, 244-255 | 24.7 | 7 |
| 174 | Caloric Restriction Reprograms the Single-Cell Transcriptional Landscape of Rattus Norvegicus Aging. *Cell*, **2020**, 180, 984-1001.e22 | 56.2 | 91 |
| 173 | Single-Cell Transcriptomic Atlas of Primate Ovarian Aging. *Cell*, **2020**, 180, 585-600.e19 | 56.2 | 113 |
| 172 | Impaired lipid metabolism by age-dependent DNA methylation alterations accelerates aging. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 4328-4336 | 11.5 | 17 |
| 171 | Domesticated cynomolgus monkey embryonic stem cells allow the generation of neonatal interspecies chimeric pigs. *Protein and Cell*, **2020**, 11, 97-107 | 7.2 | 17 |
| 170 | Rbm14 maintains the integrity of genomic DNA during early mouse embryogenesis via mediating alternative splicing. *Cell Proliferation*, **2020**, 53, e12724 | 7.9 | 4 |
| 169 | Ethical and Policy Considerations for Human Embryo and Stem Cell Research in China. *Cell Stem Cell* , **2020**, 27, 511-514 | 18 | 4 |
| 168 | Requirements for human embryonic stem cells. *Cell Proliferation*, **2020**, 53, e12925 | 7.9 | 6 |
| 167 | Overcoming Autocrine FGF Signaling-Induced Heterogeneity in Naive Human ESCs Enables Modeling of Random X Chromosome Inactivation. *Cell Stem Cell*, **2020**, 27, 482-497.e4 | 18 | 16 |
| 166 | Generation of GGTA1-/-⍰M-/-CIITA-/- Pigs Using CRISPR/Cas9 Technology to Alleviate Xenogeneic Immune Reactions. *Transplantation*, **2020**, 104, 1566-1573 | 1.8 | 11 |
| 165 | Current advances in haploid stem cells. *Protein and Cell*, **2020**, 11, 23-33 | 7.2 | 5 |

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| 164 | Intra-articular delivery of umbilical cord-derived mesenchymal stem cells temporarily retard the progression of osteoarthritis in a rat model. *International Journal of Rheumatic Diseases*, **2020**, 23, 778-787 | 2.3 | 11 |
| 163 | Genome editing in large animals: current status and future prospects. *National Science Review*, **2019**, 6, 402-420 | 10.8 | 29 |
| 162 | Enhanced mammalian genome editing by new Cas12a orthologs with optimized crRNA scaffolds. *Genome Biology*, **2019**, 20, 15 | 18.3 | 40 |
| 161 | An exonic splicing enhancer mutation in causes aberrant alternative splicing and severe congenital hypothyroidism in Bama pigs. *DMM Disease Models and Mechanisms*, **2019**, 12, | 4.1 | 4 |
| 160 | The effect of clinical-grade retinal pigment epithelium derived from human embryonic stem cells using different transplantation strategies. *Protein and Cell*, **2019**, 10, 455-460 | 7.2 | 5 |
| 159 | Synthetic chromosome evolves the yeast genome. *Science China Life Sciences*, **2019**, 62, 708-709 | 8.5 | 0 |
| 158 | Artificial sgRNAs engineered for genome editing with new Cas12b orthologs. *Cell Discovery*, **2019**, 5, 23 | 22.3 | 12 |
| 157 | Mettl3-mediated mRNA mA methylation promotes dendritic cell activation. *Nature Communications* , **2019**, 10, 1898 | 17.4 | 167 |
| 156 | A harlequin ichthyosis pig model with a novel ABCA12 mutation can be rescued by acitretin treatment. *Journal of Molecular Cell Biology*, **2019**, 11, 1029-1041 | 6.3 | 6 |
| 155 | Discovery and structure-activity relationship study of phthalimide-phenylpyridine conjugate as inhibitor of Wnt pathway. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 870-872 | 2.9 | 5 |
| 154 | Precisely controlling endogenous protein dosage in hPSCs and derivatives to model FOXG1 syndrome. *Nature Communications*, **2019**, 10, 928 | 17.4 | 19 |
| 153 | CDetection: CRISPR-Cas12b-based DNA detection with sub-attomolar sensitivity and single-base specificity. *Genome Biology*, **2019**, 20, 132 | 18.3 | 117 |
| 152 | Generation of qualified clinical-grade functional hepatocytes from human embryonic stem cells in chemically defined conditions. *Cell Death and Disease*, **2019**, 10, 763 | 9.8 | 12 |
| 151 | A novel porcine model reproduces human oculocutaneous albinism type II. *Cell Discovery*, **2019**, 5, 48 | 22.3 | 2 |
| 150 | Sox2 and Klf4 as the Functional Core in Pluripotency Induction without Exogenous Oct4. *Cell Reports*, **2019**, 29, 1986-2000.e8 | 10.6 | 14 |
| 149 | Cyclin B3 is required for metaphase to anaphase transition in oocyte meiosis I. *Journal of Cell Biology*, **2019**, 218, 1553-1563 | 7.3 | 23 |
| 148 | Derivation of Mouse Haploid Trophoblast Stem Cells. *Cell Reports*, **2019**, 26, 407-414.e5 | 10.6 | 9 |
| 147 | Mitochondrial Dynamics Is Critical for the Full Pluripotency and Embryonic Developmental Potential of Pluripotent Stem Cells. *Cell Metabolism*, **2019**, 29, 979-992.e4 | 24.6 | 41 |

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|---|---|---|---|
| 146 | Dnmt2 mediates intergenerational transmission of paternally acquired metabolic disorders through sperm small non-coding RNAs. *Nature Cell Biology*, **2018**, 20, 535-540 | 23.4 | 183 |
| 145 | MeCP2 deficiency promotes cell reprogramming by stimulating IGF1/AKT/mTOR signaling and activating ribosomal protein-mediated cell cycle gene translation. *Journal of Molecular Cell Biology*, **2018**, 10, 515-526 | 6.3 | 5 |
| 144 | Generation of clinical-grade functional cardiomyocytes from human embryonic stem cells in chemically defined conditions. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, 153-163 | 4.4 | 6 |
| 143 | Lower genomic stability of induced pluripotent stem cells reflects increased non-homologous end joining. *Cancer Communications*, **2018**, 38, 49 | 9.4 | 16 |
| 142 | Allogeneic cell therapy using umbilical cord MSCs on collagen scaffolds for patients with recurrent uterine adhesion: a phase I clinical trial. *Stem Cell Research and Therapy*, **2018**, 9, 192 | 8.3 | 94 |
| 141 | MicroRNA-494 promotes cancer progression and targets adenomatous polyposis coli in colorectal cancer. *Molecular Cancer*, **2018**, 17, 1 | 42.1 | 218 |
| 140 | SIRT6 deficiency results in developmental retardation in cynomolgus monkeys. *Nature*, **2018**, 560, 661-665 | 38.4 | 91 |
| 139 | Human Clinical-Grade Parthenogenetic ESC-Derived Dopaminergic Neurons Recover Locomotive Defects of Nonhuman Primate Models of Parkinson's Disease. *Stem Cell Reports*, **2018**, 11, 171-182 | 8 | 41 |
| 138 | METTL3-mediated m6A modification is required for cerebellar development. *PLoS Biology*, **2018**, 16, e2004880 | 9.7 | 128 |
| 137 | Mitochondrially produced ATP affects stem cell pluripotency via Actl6a-mediated histone acetylation. *FASEB Journal*, **2018**, 32, 1891-1902 | 0.9 | 14 |
| 136 | Endothelial-specific mA modulates mouse hematopoietic stem and progenitor cell development via Notch signaling. *Cell Research*, **2018**, 28, 249-252 | 24.7 | 58 |
| 135 | Human embryonic stem cells contribute to embryonic and extraembryonic lineages in mouse embryos upon inhibition of apoptosis. *Cell Research*, **2018**, 28, 126-129 | 24.7 | 31 |
| 134 | Rescuing ocular development in an anophthalmic pig by blastocyst complementation. *EMBO Molecular Medicine*, **2018**, 10, | 12 | 5 |
| 133 | Repurposing CRISPR-Cas12b for mammalian genome engineering. *Cell Discovery*, **2018**, 4, 63 | 22.3 | 110 |
| 132 | Asymmetric Expression of LincGET Biases Cell Fate in Two-Cell Mouse Embryos. *Cell*, **2018**, 175, 1887-1906.e18 | 36.2 | 52 |
| 131 | Editing porcine IGF2 regulatory element improved meat production in Chinese Bama pigs. *Cellular and Molecular Life Sciences*, **2018**, 75, 4619-4628 | 10.3 | 32 |
| 130 | Human embryonic stem cell-derived retinal pigment epithelium transplants as a potential treatment for wet age-related macular degeneration. *Cell Discovery*, **2018**, 4, 50 | 22.3 | 36 |
| 129 | Generation of Bimaternal and Bipaternal Mice from Hypomethylated Haploid ESCs with Imprinting Region Deletions. *Cell Stem Cell*, **2018**, 23, 665-676.e4 | 18 | 33 |

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| 128 | Individual blastomeres of 4- and 8-cell embryos have ability to develop into a full organism in mouse. *Journal of Genetics and Genomics*, **2018**, 45, 677-680 | 4 | 3 |
| 127 | Therapeutic Effects of Human Umbilical Cord-Derived Mesenchymal Stem Cells on Canine Radiation-Induced Lung Injury. *International Journal of Radiation Oncology Biology Physics*, **2018**, 102, 407-416 | 4 | 12 |
| 126 | A fully defined static suspension culture system for large-scale human embryonic stem cell production. *Cell Death and Disease*, **2018**, 9, 892 | 9.8 | 15 |
| 125 | Generation of rat-mouse chimeras by introducing single cells of rat inner cell masses into mouse blastocysts. *Journal of Genetics and Genomics*, **2018**, 45, 325-325 | 4 | 1 |
| 124 | Synthesis and biological activity of salinomycin-hydroxamic acid conjugates. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 1624-1626 | 2.9 | 16 |
| 123 | Accreditation of Biosafe Clinical-Grade Human Embryonic Stem Cells According to Chinese Regulations. *Stem Cell Reports*, **2017**, 9, 366-380 | 8 | 25 |
| 122 | High autophagic flux guards ESC identity through coordinating autophagy machinery gene program by FOXO1. *Cell Death and Differentiation*, **2017**, 24, 1672-1680 | 12.7 | 41 |
| 121 | A single-cell snapshot of cell-fate decisions. *Journal of Biological Chemistry*, **2017**, 292, 9855-9856 | 5.4 | |
| 120 | A 2-bp insertion (c.67_68insCC) in MC1R causes recessive white coat color in Bama miniature pigs. *Journal of Genetics and Genomics*, **2017**, 44, 215-217 | 4 | 2 |
| 119 | Report of the International Stem Cell Banking Initiative Workshop Activity: Current Hurdles and Progress in Seed-Stock Banking of Human Pluripotent Stem Cells. *Stem Cells Translational Medicine*, **2017**, 6, 1956-1962 | 6.9 | 33 |
| 118 | Creation of miniature pig model of human Waardenburg syndrome type 2A by ENU mutagenesis. *Human Genetics*, **2017**, 136, 1463-1475 | 6.3 | 21 |
| 117 | Thyroid hormone regulates hematopoiesis via the TR-KLF9 axis. *Blood*, **2017**, 130, 2161-2170 | 2.2 | 19 |
| 116 | Reconstitution of using CRISPR/Cas9 in the white adipose tissue of pigs decreases fat deposition and improves thermogenic capacity. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E9474-E9482 | 11.5 | 101 |
| 115 | Rat embryonic stem cells produce fertile offspring through tetraploid complementation. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 11974-11979 | 11.5 | 11 |
| 114 | Generation of Mouse Haploid Somatic Cells by Small Molecules for Genome-wide Genetic Screening. *Cell Reports*, **2017**, 20, 2227-2237 | 10.6 | 21 |
| 113 | Mettl3-mediated mA regulates spermatogonial differentiation and meiosis initiation. *Cell Research*, **2017**, 27, 1100-1114 | 24.7 | 186 |
| 112 | Design and synthesis of conformationally constrained salinomycin derivatives. *European Journal of Medicinal Chemistry*, **2017**, 138, 353-356 | 6.8 | 8 |
| 111 | Overexpression of Stella improves the efficiency of nuclear transfer reprogramming. *Journal of Genetics and Genomics*, **2017**, 44, 363-366 | 4 | 4 |

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| 110 | Revisiting the Warnock rule. *Nature Biotechnology*, **2017**, 35, 1029-1042 | 44.5 | 33 |
| 109 | Preface to special topic on stem cell research in China. *National Science Review*, **2017**, 4, 522-522 | 10.8 | |
| 108 | Pilot study of large-scale production of mutant pigs by ENU mutagenesis. *ELife*, **2017**, 6, | 8.9 | 21 |
| 107 | TALEN-based generation of a cynomolgus monkey disease model for human microcephaly. *Cell Research*, **2016**, 26, 1048-61 | 24.7 | 28 |
| 106 | Tet3-Mediated DNA Demethylation Contributes to the Direct Conversion of Fibroblast to Functional Neuron. *Cell Reports*, **2016**, 17, 2326-2339 | 10.6 | 19 |
| 105 | Three dimensional collagen scaffolds promote iPSC induction with higher pluripotency. *Protein and Cell*, **2016**, 7, 844-848 | 7.2 | 2 |
| 104 | Efficient production of cynomolgus monkeys with a toolbox of enhanced assisted reproductive technologies. *Scientific Reports*, **2016**, 6, 25888 | 4.9 | 6 |
| 103 | Efficient Production of Fluorescent Transgenic Rats using the piggyBac Transposon. *Scientific Reports*, **2016**, 6, 33225 | 4.9 | 14 |
| 102 | Generation and Application of Mouse-Rat Allodiploid Embryonic Stem Cells. *Cell*, **2016**, 164, 279-292 | 56.2 | 32 |
| 101 | Structure-activity & structure-toxicity relationship study of salinomycin diastereoisomers and their benzoylated derivatives. *Organic and Biomolecular Chemistry*, **2016**, 14, 2840-5 | 3.9 | 16 |
| 100 | Birth of fertile bimaternal offspring following intracytoplasmic injection of parthenogenetic haploid embryonic stem cells. *Cell Research*, **2016**, 26, 135-8 | 24.7 | 25 |
| 99 | Nuclear m(6)A Reader YTHDC1 Regulates mRNA Splicing. *Molecular Cell*, **2016**, 61, 507-519 | 17.6 | 847 |
| 98 | Complete Meiosis from Embryonic Stem Cell-Derived Germ Cells In Vitro. *Cell Stem Cell*, **2016**, 18, 330-40 | 18 | 250 |
| 97 | Induced Pluripotent Stem Cells Can Effectively Differentiate into Multiple Functional Lymphocyte Lineages In Vivo with Negligible Bias. *Stem Cells and Development*, **2016**, 25, 462-71 | 4.4 | 8 |
| 96 | Sperm tsRNAs contribute to intergenerational inheritance of an acquired metabolic disorder. *Science*, **2016**, 351, 397-400 | 33.3 | 713 |
| 95 | Functional 3D Neural Mini-Tissues from Printed Gel-Based Bioink and Human Neural Stem Cells. *Advanced Healthcare Materials*, **2016**, 5, 1429-38 | 10.1 | 237 |
| 94 | Three-dimensional bioprinting speeds up smart regenerative medicine. *National Science Review*, **2016**, 3, 331-344 | 10.8 | 11 |
| 93 | A novel long intergenic noncoding RNA indispensable for the cleavage of mouse two-cell embryos. *EMBO Reports*, **2016**, 17, 1452-1470 | 6.5 | 41 |

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| 92 | A non-invasive method to determine the pluripotent status of stem cells by culture medium microRNA expression detection. *Scientific Reports*, **2016**, 6, 22380 | 4.9 | 9 |
| 91 | One-step generation of triple gene-targeted pigs using CRISPR/Cas9 system. *Scientific Reports*, **2016**, 6, 20620 | 4.9 | 79 |
| 90 | Treatment of multiple sclerosis by transplantation of neural stem cells derived from induced pluripotent stem cells. *Science China Life Sciences*, **2016**, 59, 950-7 | 8.5 | 30 |
| 89 | Derivation and application of pluripotent stem cells for regenerative medicine. *Science China Life Sciences*, **2016**, 59, 576-83 | 8.5 | 2 |
| 88 | Efficient Derivation of Human Induced Pluripotent Stem Cells with a c-Myc-Free Non-Integrating Episomal Vector. *Journal of Genetics and Genomics*, **2016**, 43, 161-4 | 4 | 1 |
| 87 | Conversion of Fibroblasts to Parvalbumin Neurons by One Transcription Factor, Ascl1, and the Chemical Compound Forskolin. *Journal of Biological Chemistry*, **2016**, 291, 13560-70 | 5.4 | 19 |
| 86 | Synthesis and biological activity evaluation of 20-epi-salinomycin and its 20-O-acyl derivatives. *RSC Advances*, **2016**, 6, 41885-41890 | 3.7 | 15 |
| 85 | ATG3-dependent autophagy mediates mitochondrial homeostasis in pluripotency acquirement and maintenance. *Autophagy*, **2016**, 12, 2000-2008 | 10.2 | 59 |
| 84 | Stem Cell Bioprinting: Functional 3D Neural Mini-Tissues from Printed Gel-Based Bioink and Human Neural Stem Cells (Adv. Healthcare Mater. 12/2016). *Advanced Healthcare Materials*, **2016**, 5, 1428-1428 | 10.1 | 9 |
| 83 | Lmx1a enhances the effect of iNSCs in a PD model. *Stem Cell Research*, **2015**, 14, 1-9 | 1.6 | 22 |
| 82 | Three-dimensional bio-printing. *Science China Life Sciences*, **2015**, 58, 411-9 | 8.5 | 53 |
| 81 | Generation of Cynomolgus Monkey Chimeric Fetuses using Embryonic Stem Cells. *Cell Stem Cell*, **2015**, 17, 116-24 | 18 | 84 |
| 80 | Durable pluripotency and haploidy in epiblast stem cells derived from haploid embryonic stem cells in vitro. *Journal of Molecular Cell Biology*, **2015**, 7, 326-37 | 6.3 | 16 |
| 79 | Derivation of a Homozygous Human Androgenetic Embryonic Stem Cell Line. *Stem Cells and Development*, **2015**, 24, 2307-16 | 4.4 | 11 |
| 78 | Generation of cell-type-specific gene mutations by expressing the sgRNA of the CRISPR system from the RNA polymerase II promoters. *Protein and Cell*, **2015**, 6, 689-692 | 7.2 | 7 |
| 77 | Generation of fertile offspring from Kit(w)/Kit(wv) mice through differentiation of gene corrected nuclear transfer embryonic stem cells. *Cell Research*, **2015**, 25, 851-63 | 24.7 | 9 |
| 76 | CRISPR germline engineering--the community speaks. *Nature Biotechnology*, **2015**, 33, 478-86 | 44.5 | 91 |
| 75 | Generation of an lncRNA Gtl2-GFP reporter for rapid assessment of pluripotency in mouse induced pluripotent stem cells. *Journal of Genetics and Genomics*, **2015**, 42, 125-8 | 4 | 6 |

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|---|---|---|---|
| 74 | Dynamic transcriptional symmetry-breaking in pre-implantation mammalian embryo development revealed by single-cell RNA-seq. *Development (Cambridge)*, **2015**, 142, 3468-77 | 6.6 | 67 |
| 73 | Co-participation of paternal and maternal genomes before the blastocyst stage is not required for full-term development of mouse embryos. *Journal of Molecular Cell Biology*, **2015**, 7, 486-8 | 6.3 | 3 |
| 72 | CRISPR/Cas9-mediated Dax1 knockout in the monkey recapitulates human AHC-HH. *Human Molecular Genetics*, **2015**, 24, 7255-64 | 5.6 | 64 |
| 71 | Derivation of non-integration induced pluripotent stem cells from fibroblast of severe deafness patients with GJB2 mutation. *Journal of Genetics and Genomics*, **2015**, 42, 455-8 | 4 | 1 |
| 70 | One-step generation of p53 gene biallelic mutant Cynomolgus monkey via the CRISPR/Cas system. *Cell Research*, **2015**, 25, 258-61 | 24.7 | 71 |
| 69 | Immunogenicity and functional evaluation of iPSC-derived organs for transplantation. *Cell Discovery*, **2015**, 1, 15015 | 22.3 | 10 |
| 68 | Efficient CRISPR/Cas9-mediated biallelic gene disruption and site-specific knockin after rapid selection of highly active sgRNAs in pigs. *Scientific Reports*, **2015**, 5, 13348 | 4.9 | 52 |
| 67 | Rapidly generating knockout mice from H19-Igf2 engineered androgenetic haploid embryonic stem cells. *Cell Discovery*, **2015**, 1, 15031 | 22.3 | 8 |
| 66 | Generation of clinical-grade human induced pluripotent stem cells in Xeno-free conditions. *Stem Cell Research and Therapy*, **2015**, 6, 223 | 8.3 | 38 |
| 65 | Germline acquisition of Cas9/RNA-mediated gene modifications in monkeys. *Cell Research*, **2015**, 25, 262-5 | 24.7 | 23 |
| 64 | m(6)A RNA methylation is regulated by microRNAs and promotes reprogramming to pluripotency. *Cell Stem Cell*, **2015**, 16, 289-301 | 18 | 367 |
| 63 | TALEN-mediated gene mutagenesis in rhesus and cynomolgus monkeys. *Cell Stem Cell*, **2014**, 14, 323-328 | 18 | 155 |
| 62 | Programming and inheritance of parental DNA methylomes in mammals. *Cell*, **2014**, 157, 979-991 | 56.2 | 347 |
| 61 | Generation of gene-modified cynomolgus monkey via Cas9/RNA-mediated gene targeting in one-cell embryos. *Cell*, **2014**, 156, 836-43 | 56.2 | 764 |
| 60 | Balancing the welfare: the use of non-human primates in research. *Trends in Genetics*, **2014**, 30, 476-8 | 8.5 | 13 |
| 59 | Haploid embryonic stem cells serve as a new tool for mammalian genetic study. *Stem Cell Research and Therapy*, **2014**, 5, 20 | 8.3 | 12 |
| 58 | One-step generation of knockout pigs by zygote injection of CRISPR/Cas system. *Cell Research*, **2014**, 24, 372-5 | 24.7 | 331 |
| 57 | RNA guided genome editing in mouse germ-line stem cells. *Journal of Genetics and Genomics*, **2014**, 41, 409-11 | 4 | 1 |

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| 56 | Generation of tetraploid complementation mice from embryonic stem cells cultured with chemical defined medium. *Science Bulletin*, **2014**, 59, 2743-2748 | | 2 |
| 55 | 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). *Protein and Cell*, **2014**, 5, 382-93 | 7.2 | 30 |
| 54 | Efficient generation of mouse ESCs-like pig induced pluripotent stem cells. *Protein and Cell*, **2014**, 5, 338-42 | 7.2 | 21 |
| 53 | Genetic modification and screening in rat using haploid embryonic stem cells. *Cell Stem Cell*, **2014**, 14, 404-14 | 18 | 71 |
| 52 | Rosa26 locus supports tissue-specific promoter driving transgene expression specifically in pig. *PLoS ONE*, **2014**, 9, e107945 | 3.7 | 21 |
| 51 | Simultaneous generation and germline transmission of multiple gene mutations in rat using CRISPR-Cas systems. *Nature Biotechnology*, **2013**, 31, 684-6 | 44.5 | 339 |
| 50 | Tbx3 and Nr5□ play important roles in pig pluripotent stem cells. *Stem Cell Reviews and Reports*, **2013**, 9, 700-8 | 6.4 | 24 |
| 49 | Derivation of androgenetic embryonic stem cells from m-carboxycinnamic acid bishydroxamide (CBHA) treated androgenetic embryos. *Science Bulletin*, **2013**, 58, 2862-2868 | | 2 |
| 48 | Generation of induced pluripotent stem cells with high efficiency from human umbilical cord blood mononuclear cells. *Genomics, Proteomics and Bioinformatics*, **2013**, 11, 304-11 | 6.5 | 35 |
| 47 | Parthenogenetic haploid embryonic stem cells produce fertile mice. *Cell Research*, **2013**, 23, 1330-3 | 24.7 | 28 |
| 46 | Induced pluripotent stem cells: current progress and future perspectives. Preface. *Genomics, Proteomics and Bioinformatics*, **2013**, 11, 257-8 | 6.5 | |
| 45 | Piglets cloned from induced pluripotent stem cells. *Cell Research*, **2013**, 23, 162-6 | 24.7 | 70 |
| 44 | Generation of transgenic rats through induced pluripotent stem cells. *Journal of Biological Chemistry*, **2013**, 288, 27150-27158 | 5.4 | 9 |
| 43 | Rapid conversion of human ESCs into mouse ESC-like pluripotent state by optimizing culture conditions. *Protein and Cell*, **2012**, 3, 71-9 | 7.2 | 32 |
| 42 | Derivation of germline competent rat embryonic stem cells from DA rats. *Journal of Genetics and Genomics*, **2012**, 39, 603-6 | 4 | 8 |
| 41 | Deciphering neo-sex and B chromosome evolution by the draft genome of Drosophila albomicans. *BMC Genomics*, **2012**, 13, 109 | 4.5 | 59 |
| 40 | Androgenetic haploid embryonic stem cells produce live transgenic mice. *Nature*, **2012**, 490, 407-11 | 50.4 | 129 |
| 39 | Direct reprogramming of Sertoli cells into multipotent neural stem cells by defined factors. *Cell Research*, **2012**, 22, 208-18 | 24.7 | 123 |

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| 38 | Generation of dopaminergic neurons directly from mouse fibroblasts and fibroblast-derived neural progenitors. *Cell Research*, **2012**, 22, 769-72 | 24.7 | 35 |
| 37 | A novel class of tRNA-derived small RNAs extremely enriched in mature mouse sperm. *Cell Research* , **2012**, 22, 1609-12 | 24.7 | 212 |
| 36 | Therapeutic cloning by xenotransplanted oocytes, supplemented with species specific reprogramming factors. *Medical Hypotheses*, **2011**, 76, 527-9 | 3.8 | 1 |
| 35 | Brief report: combined chemical treatment enables Oct4-induced reprogramming from mouse embryonic fibroblasts. *Stem Cells*, **2011**, 29, 549-53 | 5.8 | 111 |
| 34 | iPS cells generated without c-Myc have active Dlk1-Dio3 region and are capable of producing full-term mice through tetraploid complementation. *Cell Research*, **2011**, 21, 550-3 | 24.7 | 21 |
| 33 | Pluripotency maintenance in mouse somatic cell nuclear transfer embryos and its improvement by treatment with the histone deacetylase inhibitor TSA. *Cellular Reprogramming*, **2011**, 13, 47-56 | 2.1 | 23 |
| 32 | Mice generated from tetraploid complementation competent iPS cells show similar developmental features as those from ES cells but are prone to tumorigenesis. *Cell Research*, **2011**, 21, 1634-7 | 24.7 | 36 |
| 31 | Efficient and rapid generation of induced pluripotent stem cells using an alternative culture medium. *Cell Research*, **2010**, 20, 383-6 | 24.7 | 27 |
| 30 | Production of mice using iPS cells and tetraploid complementation. *Nature Protocols*, **2010**, 5, 963-71 | 18.8 | 34 |
| 29 | Somatic nucleus reprogramming is significantly improved by m-carboxycinnamic acid bishydroxamide, a histone deacetylase inhibitor. *Journal of Biological Chemistry*, **2010**, 285, 31002-10 | 5.4 | 54 |
| 28 | Transgenic rhesus monkeys produced by gene transfer into early-cleavage-stage embryos using a simian immunodeficiency virus-based vector. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 17663-7 | 11.5 | 63 |
| 27 | Successful generation of cloned mice using nuclear transfer from induced pluripotent stem cells. *Cell Research*, **2010**, 20, 850-3 | 24.7 | 33 |
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