

时间	期刊	文章名称
2019.10	Immunity	Single-cell RNA Sequencing Resolves Spatiotemporal Development of Pre-thymic Lymphoid Progenitors and Thymus Organogenesis in Human Embryos
2019.9	BioRxiv	Chromosome-scale denovo assembly and phasing of a Chinese indigenous pig genome
2019.9	Cell Research	Tracing the first hematopoietic stem cell generation in human embryo by single-cell RNA sequencing
2019.9	Nature Communications	An ancestral NB-LRR with duplicated 3' UTRs confers stripe rust resistance in wheat and barley
2019.9	Plant Biotechnology Journal	Genome sequencing of the Australian wild diploid species <i>Gossypium australe</i> highlights disease resistance and delayed gland morphogenesis
2019.9	Systematic Entomology	The phylogeny of leaf beetles (Chrysomelidae) inferred from mitochondrial genomes
2019.8	Nature	Molecular architecture of lineage allocation and tissue organization in early mouse embryo
2019.8	Plant Biotechnology Journal	De novo assembly of a wild pear (<i>Pyrus betuleafolia</i>) genome
2019.7	Molecular Biology and Evolution	EPAS1 Gain-of-Function Mutation Contributes to High Altitude Adaptation in Tibetan Horses
2019.7	Current Genetics	Characterization of the promoter, downstream target genes and recognition DNA sequence of Mhy1, a key filamentation-promoting transcription factor in the dimorphic yeast <i>Yarrowia lipolytica</i>
2019.6	Theoretical and Applied Genetics	The anther-specific CYP704B is potentially responsible for MSG26 male sterility in barley.
2019.6	Plant Biotechnology Journal	Genome-wide quantitative trait loci reveal the genetic basis of cotton fibre quality and yield-related traits in a <i>Gossypium hirsutum</i> recombinant inbred line population
2019.5	Nature Communications	6mA-DNA-binding factor Jumu controls maternal-to-zygotic transition upstream of Zelda
2019.4	Cell Reports	A 3D Atlas of Hematopoietic Stem and Progenitor Cell Expansion by Multi-dimensional RNA-Seq Analysis
2019.4	Journal of Experimental Botany	Maize pentatricopeptide repeat protein DEK41 affects cis-splicing of mitochondrial nad4 intron 3 and is required for normal seed development
2019.4	Genome Biology	Whole genomes and transcriptomes reveal adaptation and domestication of pistachio
2019.3	Zoologica Scripta	Diversification of mitogenomes in three sympatric <i>Altica</i> flea beetles (Insecta, Chrysomelidae)
2019.3	Molecular Plant	Sequencing of cultivated peanut, <i>Arachis hypogaea</i> , yields insights into genome evolution and oil improvement
2019.3	Nature Genetics	<i>Gossypium barbadense</i> and <i>Gossypium hirsutum</i> genomes provide insights into the origin and evolution of allotetraploid cotton

2019.3	Nature Communications	Znhit1 controls intestinal stem cell maintenance by regulating H2A.Z incorporation
2019.2	Nature Genetics	Lung regeneration by multipotent stem cells residing at the bronchioalveolar duct junction
2019.2	Genes	Co-Expression Network Analysis and Hub Gene Selection for High-Quality Fiber in Upland Cotton (<i>Gossypium hirsutum</i>) Using RNA Sequencing Analysis
2019.1	Nature Communications	Chromosome conformation capture resolved near complete genome assembly of broomcorn millet
2018.11	Nature Communications	The disease resistance protein SNC1 represses the biogenesis of microRNAs and phased siRNAs
2018.11	Nature	Stella safeguards the oocyte methylome by preventing de novo methylation mediated by DNMT1
2018.11	Molecular Biology and Evolution	The genome landscape of Tibetan sheep reveals adaptive introgression from argali and the history of early human settlements on the Qinghai-Tibetan Plateau
2018.10	Plant Science	The involvement of cytokinin and nitrogen metabolism in delayed flag leaf senescence in a wheat stay-green mutant, <i>tasg1</i>
2018.10	Cell Stem Cell	Generation of Uniparental Mice from Hypomethylated Haploid ESCs with Imprinting Region Deletions
2018.10	Cell Research	Accurate annotation of accessible chromatin in mouse and human primordial germ cells.
2018.10	J Mol Cell Biol	Esrrb plays important roles in maintaining self-renewal of trophoblast stem cells (TSCs) and reprogramming somatic cells to induced TSCs.
2018.9	Nature Genetics	Parallel selection on a dormancy gene during domestication of crops from multiple families
2018.9	Genome Biology	DNA methylation footprints during soybeandomestication and improvement
2018.9	Cell Stem Cell	Inhibition of Aberrant DNA Re-methylation Improves Post-implantation Development of Somatic Cell Nuclear Transfer Embryos
2018.8	ORIGINAL ARTICLE	Mouse gastrulation: Attributes of transcription factor regulatory network for epiblast patterning
2018.7	Nature Communications	An intercross population study reveals genes associated with body size and plumage color in ducks
2018.7	Nature Ecology and Evolution	The evolutionary road from wild moth to domestic silkworm
2018.7	Stem Cell Reports	Suppressing Nodal Signaling Activity Predisposes Ectodermal Differentiation of Epiblast Stem Cells
2018.7	Nature Genetics	Silong Sun, Yingsi Zhou, Jinsheng lai, et al., Extensive intraspecific gene order and gene structural variations between Mo17 and other maize genomes. Nature genetics. 30 July 2018.
2018.7	Science China-Life Science	Shen, Y., Liu, J., Geng, H., Zhang, J., Liu, Y., Zhang, H., Xing, S., Du, J., Ma, S., and Tian, Z. (2018). De novo assembly of a Chinese soybean genome. Sci China Life Sci 61.

2018.5	Nature Genetics	Resequencing of 243 diploid cotton accessions based on an updated A genome identifies the genetic basis of key agronomic traits
2018.4	Molecular Plant	Control of grain size and weight by the OsMKKK10-OsMKK4-OsMAPK6 signaling pathway in rice
2018.4	Journal of Molecular Cell Biology	TGF β signaling hyperactivation-induced tumorigenicity during the derivation of neural progenitors from mouse ESCs
2018.4	Nature Cell Biology	Reprogramming of H3K9me3-dependent heterochromatin during mammalian embryo development
2018.3	Genetics	Maize Dek37 Encodes a P-Type PPR protein that affects cis-splicing of mitochondrial nad2 intron 1 and seed development
2018.3	Plant Biotechnology Journal	High - efficiency genome editing using a dmc1 promoter-controlled CRISPR/Cas9 system in maize
2018.3	nature communications	Sheng Li, Qili Feng, Shuai Zhan, et al. The genomic and functional landscapes of developmental plasticity in the American cockroach. Nature Communications, 2018.
2018.2	Cell Research	Silencing of developmental genes by H3K27me3 and DNA methylation reflects the discrepant plasticity of embryonic and extraembryonic lineages
2018.2	Stem Cell Reports.	Reduced Self-Diploidization and Improved Survival of Semi-cloned Mice Produced from Androgenetic Haploid Embryonic Stem Cells through Overexpression of Dnmt3b.
2018.1	Elife	Unique molecular events during reprogramming of human somatic cells to induced pluripotent stem cells (iPSCs) at naïve state
2018.1	Stem Cell Reports	Reduced self-diploidization and improved survival of semi-cloned mice produced from androgenetic haploid embryonic stem cells through overexpression of Dnmt3b
2018.1	Cell Death Differ	Sun M, Yuan Q, Niu M, Wang H, Wen L, Yao C, Hou J, Chen Z, Fu H, Zhou F, Li C, Gao S, Gao WQ, Li Z, He Z. Efficient generation of functional haploid spermatids from human germline stem cells by three-dimensional-induced system Cell Death Differ. 2018 Jan 5. doi: 10.1038/s41418-017-0015-1.
2017.12	Cell Rep	Gao Y, Liu X, Tang B, Li C, Kou Z, Li L, Liu W, Wu Y, Kou X, Li J, Zhao Y, Yin J, Wang H, Chen S, Liao L, Gao S. Protein Expression Landscape of Mouse Embryos during Pre-implantation Development. Cell Rep. 2017 Dec 26;21(13):3957-3969. doi: 10.1016/j.celrep.2017.11.111.
2017.11	Nature Communications	NOG1 increases grain production in rice
2017.11	Hum Genet	Liu W, Bai D, Chen J, Gao S. Additive-effect pattern of both ZP2 and ZP3 in human and mouse. Hum Genet. 2017 Nov;136(11-12):1493-1495. doi: 10.1007/s00439-017-1848-x. Epub 2017 Nov 1. No abstract available.
2017.11	Stem Cell Reports	Wu L, Wu Y, Peng B, Hou Z, Dong Y, Chen K, Guo M, Li H, Chen X, Kou X, Zhao Y, Bi Y, Wang Y, Wang H, Le R, Kang L, Gao S. Oocyte-Specific Homeobox 1, Obox1, Facilitates Reprogramming by Promoting Mesenchymal-to-Epithelial Transition and Mitigating Cell Hyperproliferation. Stem Cell Reports. 2017 Nov 14;9(5):1692-1705. doi:

		10.1016/j.stemcr.2017.09.012. Epub 2017 Oct 12.
2017.11	Nature Communications	Inference of differentiation time for single cell transcriptomes using cell population reference data
2017.11	Nature Communications	Scallop genome reveals molecular adaptations to semi-sessile life and neurotoxins
2017.10	PNAS	Mediator subunit MED25 links the jasmonate receptor to transcriptionally active chromatin
2017.9	Genome Research	Trans-splicing enhances translational efficiency in <i>C. elegans</i>
2017.9	Oncotarget	Pkm2 can enhance pluripotency in ESCs and promote somatic cell reprogramming to iPSCs.
2017.8	National Science Review	Sanwen Huang, Hong Yu, Jiayang Li, Genome analysis of <i>Taraxacum kok-saghyz</i> Rodin provides new insights into rubber biosynthesis. National Science Review, 2018.
2017.8	J Mol Cell Biol	Wang YJ, Huang J, Liu W, Kou X, Tang H, Wang H, Yu X, Gao S, Ouyang K, Yang HT. IP3R-mediated Ca ²⁺ signals govern hematopoietic and cardiac divergence of Flk1 ⁺ cells via the calcineurin-NFATc3-Etv2 pathway. <i>J Mol Cell Biol</i> . 2017 Aug 1;9(4):274-288. doi: 10.1093/jmcb/mjx014.
2017.8	Hum Genet	Liu W, Li K, Bai D, Yin J, Tang Y, Chi F, Zhang L, Wang Y, Pan J, Liang S, Guo Y, Ruan J, Kou X, Zhao Y, Wang H, Chen J, Teng X, Gao S. Dosage effects of ZP2 and ZP3 heterozygous mutations cause human infertility. <i>Hum Genet</i> . 2017 Aug;136(8):975-985. doi: 10.1007/s00439-017-1822-7. Epub 2017 Jun 24.
2017.8	molecular biology and evolution	Codon-resolution analysis reveals a direct and context-dependent impact of individual synonymous mutations on mRNA level
2017.8	Genome Biology	Genome-wide association studies dissect the genetic networks underlying agronomical traits in soybean
2017.8	Genome Biology	Conservation and divergence of small RNA pathways and microRNAs in land plants
2017.8	PLoS Genetics	Integration of the tricarboxylic acid (TCA) cycle with cAMP signaling and Sfl2 pathways in the regulation of CO ₂ sensing and hyphal development in <i>Candida albicans</i>
2017.7	Plant Cell	Zhong S, Li C-B and Li C. MYC2 orchestrates a hierarchical transcriptional cascade that regulates jasmonate-mediated plant immunity in tomato. <i>The Plant Cell</i> , 2017
2017.7	Oncotarget	Li H, Gao S, Huang H, Liu W, Huang H, Liu X, Gao Y, Le R, Kou X, Zhao Y, Kou Z, Li J, Wang H, Zhang Y, Wang H, Cai T, Sun Q, Gao S, Han Z. High throughput sequencing identifies an imprinted gene, Grb10, associated with the pluripotency state in nuclear transfer embryonic stem cells. <i>Oncotarget</i> . 2017 Jul 18;8(29):47344-47355. doi: 10.18632/oncotarget.17185.
2017.7	Scientific Reports	Su Feng Can Xing, Tingyu Shen, Yunbo Qiao, Ran Wang, Jun Chen, Jiaoyang Liao, Zhuo Lu, Xiong Yang, Saber Mohamed Abd-Allah, Jinsong

		Li, Naihe Jing & Ke Tang. Abnormal Paraventricular Nucleus of Hypothalamus and Growth Retardation Associated with Loss of Nuclear Receptor Gene COUP-TFII. <i>Scientific Reports</i> 2017; 7: 5282. DOI:10.1038/s41598-017-05682-6.
2017.6	scientific report	Transcriptome profiling of <i>Cucumis metuliferus</i> infected by <i>Meloidogyne incognita</i> provides new insights into putative defense regulatory network in Cucurbitaceae
2017.6	Cell Stem Cell	Li H, Lai P, Jia J, Song Y, Xia Q, Huang K, He N, Ping W, Chen J, Yang Z, Li J, Yao M, Dong X, Zhao J, Hou C, Esteban MA, Gao S, Pei D, Hutchins AP, Yao H. RNA Helicase DDX5 Inhibits Reprogramming to Pluripotency by miRNA-Based Repression of RYBP and its PRC1-Dependent and -Independent Functions. <i>Cell Stem Cell</i> . 2017 Apr 6;20(4):571. doi: 10.1016/j.stem.2017.03.014. No abstract available.
2017.6	Cell Research	Lingbo Wang, Min-Yin Li, Chao Qu, Wan-Ying Miao, Qi Yin, Jiaoyang Liao, Hua-Teng Cao, Min Huang, Kai Wang, Erwei Zuo, Guangdun Peng, Shu-Xin Zhang, Guodong Chen, Qing Li, Ke Tang, Qian Yu, Zhoujie Li, Catherine CL Wong, Guoliang Xu, Naihe Jing, Xiang Yu*, Jinsong Li*. CRISPR-Cas9-mediated genome editing in one blastomere of two-cell embryos reveals a novel Tet3 function in regulating neocortical development. <i>Cell Research</i> 2017; doi:10.1038/cr.2017.58.
2017.6	Neurosci. Bull.	He Xu, Chunmei Yue, Ting Zhang, Yuanyuan Li, Ao Guo, Jiaoyang Liao, Gang Pei, Jinsong Li*, Naihe Jing*. Derivation of Haploid Neurons from Mouse Androgenetic Haploid Embryonic Stem Cells. <i>Neurosci. Bull.</i> 2017; DOI 10.1007/s12264-017-0110-9.
2017.5	Cell Res	Ji S, Zhu L, Gao Y, Zhang X, Yan Y, Cen J, Li R, Zeng R, Liao L, Hou C, Gao Y, Gao S, Wei G, Hui L. Baf60b-mediated ATM-p53 activation blocks cell identity conversion by sensing chromatin opening. <i>Cell Res</i> . 2017 May;27(5):642-656. doi: 10.1038/cr.2017.36. Epub 2017 Mar 17.
2017.5	eLife	Lyad Zamir, Reena Singh, Elisha Nathan, Ralph Patrick, Oren Yifa, Yfat Yahalom-Ronen, Alaa A Arraf, Thomas M Schultheiss, Shengbao Suo, Jing-Dong Jackie Han, Guangdun Peng, Naihe Jing, Yuliang Wang, Nathan Palpant, Patrick PL Tam, Richard P Harvey*, Eldad Tzahor*. Nkx2.5 marks angioblasts that contribute to hemogenic endothelium of the endocardium and dorsal aorta. <i>eLife</i> 2017; 6:e20994. DOI: 10.7554/eLife.20994.
2017.5	National Science Review	Guangdun Peng, Patrick P.L. Tam, Naihe Jing*. Lineage specification of early embryos and embryonic stem cells at the dawn of enabling technologies. <i>National Science Review</i> 2017; doi.org/10.1093/nsr/nwx093
2017.5	Cell Research	Class I histone deacetylases are major histone decrotonylases evidence for critical and broad function of histone crotonylation in transcription
2017.4	Molecular Plant	A PP2C-1 Allele Underlying a Quantitative Trait Locus Enhances Soybean 100-Seed Weight
2017.4	Sci China Life Sci.	Guangdun Peng, Naihe Jing* The genome-wide molecular regulation of mouse gastrulation embryo. <i>Sci China Life Sci.</i> 2017 Apr; 60(4):363-369

2017.4	Molecular Plant	Chengcheng Cai#, Xiaobo Wang#, Bo Liu, Jian Wu, Jianli Liang, Yinan Cui, Feng Cheng*, Xiaowu Wang*. Brassica rapa Genome 2.0: a reference upgrade through sequence re-assembly and gene re-annotation. Molecular Plant, 2017.
2017.3	Nature Communications	Ni F, Qi J, Hao Q, et al., Wheat Ms2 encodes for an orphan protein that confers male sterility in grass species. Nature Communications, 2017.
2017.3	Molecular Plant	Natural Variation in the Promoter of GSE5 Contributes to Grain Size Diversity in Rice
2017.3	Nature Communications	A natural tandem array alleviates epigenetic repression of IPA1 and leads to superior yielding rice
2017.3	Nature Genetics	Natural variation at the soybean J locus improves adaptation to the tropics and enhances yield
2017.3	Nature Immunology	Shan B, Wang X, Wu Y, et al., The metabolic ER stress sensor IRE1 α suppresses alternative activation of macrophages and impairs
2017.3	Biomaterials	Gao R, Xiu W, Zhang L, Zang R, Yang L, Wang C, Wang M, Wang M, Yi L, Tang Y, Gao Y, Wang H, Xi J, Liu W, Wang Y, Wen X, Yu Y, Zhang Y, Chen L, Chen J, Gao S. Direct induction of neural progenitor cells transiently passes through a partially reprogrammed state. Biomaterials. 2017 Mar; 119:53-67. doi: 10.1016/j.biomaterials.2016.12.007. Epub 2016 Dec 10.
2017.2	J Biol Chem	Xu K, Chen X, Yang H, Xu Y, He Y, Wang C, Huang H, Liu B, Liu W, Li J, Kou X, Zhao Y, Zhao K, Zhang L, Hou Z, Wang H, Wang H, Li J, Fan H, Wang F, Gao Y, Zhang Y, Chen J, Gao S. Maternal Sall4 Is Indispensable for Epigenetic Maturation of Mouse Oocytes. J Biol Chem. 2017 Feb 3; 292(5):1798-1807. doi: 10.1074/jbc.M116.767061. Epub 2016 Dec 28.
2017.2	Nature Protocols	Jun Chen, Shengbao Suo, Patrick. P.L. Tam, Jing-Dong J. Han, Guangdun Peng*, Naihe Jing*. Spatial transcriptomic analysis of cryosectioned tissue samples with Geo-seq. Nature Protocol 2017; 12(3), 547-565.
2017.1	Nat Commun	Liu W, Wang F, Xu Q, Shi J, Zhang X, Lu X, Zhao ZA, Gao Z, Ma H, Duan E, Gao F, Gao S, Yi Z, Li L. BCAS2 is involved in alternative mRNA splicing in spermatogonia and the transition to meiosis. Nat Commun. 2017 Jan 27; 8:14182. doi: 10.1038/ncomms14182.
2017.1	Cell Reports	Xiong-jun Wang, Yunbo Qiao, Minzhe M. Xiao, Lingbo Wang, Jun Chen, Wenjian Lv, Li Xu, Yan Li, Yumei Wang, Ming-dian Tan, Chao Huang, Jinsong Li, Ting C. Zhao, Zhaoyuan Hou*, Naihe Jing*, Y. Eugene Chin*. Opposing Roles of Acetylation and Phosphorylation in LIFR-Dependent Self-Renewal Growth Signaling in Mouse Embryonic Stem Cells. Cell Reports 2017; 18: 933-946.
2017	Journal of Biological Chemistry	Yuanyuan Li, Ran Wang, Nan Qiao, Guangdun Peng, Ke Zhang, Ke Tang, Jing-Dong J Han and Naihe Jing*. Transcriptome analysis reveals determinant stages controlling human embryonic stem cell commitment to neuronal cells. J Biol Chem 2017, DOI:10.1074/jbc.M117.796383
2017	Molecular Psychiatry	R Lu, J Wang, R Tao, J Wang, T Zhu, W Guo, Y Sun, H Li, Y Gao, W Zhang, CJ Fowler, Q Li, S Chen, Z Wu, CL Masters, C Zhong, N Jing, Y

		Wang and Y Wang. Reduced TRPC6 mRNA levels in the blood cells of patients with Alzheimer's disease and mild cognitive impairment. <i>Molecular Psychiatry</i> 2017; doi:10.1038/mp.2017.136.
2017	Cell research	Xianfa Yang, Boqiang Hu, Yu Hou, Yunbo Qiao, Ran Wang, Yun Qian, Yingying Chen, Su Feng, Jun Chen, Chang Liu, Guangdun Peng, Fuchou Tang, Naihe Jing*. Spatial-temporal epigenomic landscape of the mouse gastrula. <i>Cell research</i>
2016.11	Scientific reports	Liu Y, Yu F, Han Y, et al., SUMO-specific protease 3 is a key regulator for hepatic lipid metabolism in non-alcoholic fatty liver disease. <i>Scientific Report</i> . 2016(6):37351.
2016.11	BMC Genomics	Genome-wide analysis reveals signatures of selection for important traits in domestic sheep from different ecoregions
2016.10	Science	Wang Q, Zuo Z, Wang X, et al., Photoactivation and inactivation of <i>Arabidopsis</i> cryptochrome 2. <i>Science</i> . (2016):343-347
2016.10	scientific report	Kuang Y, Zheng X, Li C, et al., The genetic map of goldfish (<i>Carassius auratus</i>) provided insights to the divergent genome evolutions in the Cyprinidae family. <i>Scientific Report</i> . 2016(6): 34849.
2016.10	Nature Protocols	Shi W, Pingping L, Jia L, et al., Serial sequencing of isolength RAD tags for cost-efficient genome-wide profiling of genetic and epigenetic variations. <i>Nature Protocols</i> , (2016)11, 2189–2200.
2016.9	Cell Research	Fei L, Jian Z, Ji H, et al., Identification of TRA2B-DNAH5 fusion as a novel oncogenic driver in human lung squamous cell carcinoma. <i>Cell Res</i> . (2016) 26,1149-164.
2016.9	Naure	Liu X, Wang C, Liu W, et al., Distinct features of H3K4me3 and H3K27me3 chromatin domains in pre-implantation embryos. <i>Nature</i> , 2016(537): 558-562.
2016.4	Nature Genetics	REF6 recognizes a specific DNA sequence to demethylate H3K27me3 and regulate organ boundary formation in <i>Arabidopsis</i> .
2016.2	Cell Report	Chen J, Chen X, Li M, et al. Hierarchical Oct4 Binding in Concert with Primed Epigenetic Rearrangements during Somatic Cell Reprogramming. <i>Cell Report</i> , 2016, 14(6): 1540-1554.
2016.1	Nature Communications	Wang Y, Wu Q, Yang P, et al. LSD1 co-repressor Rcor2 orchestrates neurogenesis in the developing mouse brain. <i>Nature Communications</i> , 2016(7): 10481-10481.
2016.1	Stem Cells Transl Med	Yang Y, Zhang Xi, Yi L, et al. Naive Induced Pluripotent Stem Cells Generated From beta-Thalassemia Fibroblasts Allow Efficient Gene Correction With CRISPR/Cas9. <i>Stem Cells Translational Medicine</i> , 2016, 5(1): 8-19.
2016.1	Cell Discovery	Liu W, Liu X, Wang C, et al. Identification of key factors conquering developmental arrest of somatic cell cloned embryos by combining embryo biopsy and single-cell sequencing. <i>Cell Discovery</i> , 2016(2): 16010-16010.
2016.1	PLoS Pathog	Biosynthesis of Antibiotic Leucinostatins in Bio-control Fungus <i>Purpureocillium lilacinum</i> and Their Inhibition on <i>Phytophthora</i> Revealed by Genome Mining

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