

# Jinsong Li

## List of Publications by Citations

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124  
papers

4,822  
citations

31  
h-index

68  
g-index

137  
ext. papers

6,079  
ext. citations

13.4  
avg, IF

5.16  
L-index

#	Paper	IF	Citations
124	The role of Tet3 DNA dioxygenase in epigenetic reprogramming by oocytes. <i>Nature</i> , <b>2011</b> , 477, 606-10	50.4	820
123	Correction of a genetic disease in mouse via use of CRISPR-Cas9. <i>Cell Stem Cell</i> , <b>2013</b> , 13, 659-62	18	433
122	Active and passive demethylation of male and female pronuclear DNA in the mammalian zygote. <i>Cell Stem Cell</i> , <b>2014</b> , 15, 447-459	18	261
121	Odorant receptor gene choice is reset by nuclear transfer from mouse olfactory sensory neurons. <i>Nature</i> , <b>2004</b> , 428, 393-9	50.4	205
120	E-cadherin-mediated cell-cell contact is critical for induced pluripotent stem cell generation. <i>Stem Cells</i> , <b>2010</b> , 28, 1315-25	5.8	188
119	Correction of a genetic disease by CRISPR-Cas9-mediated gene editing in mouse spermatogonial stem cells. <i>Cell Research</i> , <b>2015</b> , 25, 67-79	24.7	163
118	Single-cell RNA-seq uncovers dynamic processes and critical regulators in mouse spermatogenesis. <i>Cell Research</i> , <b>2018</b> , 28, 879-896	24.7	133
117	Generation of genetically modified mice by oocyte injection of androgenetic haploid embryonic stem cells. <i>Cell</i> , <b>2012</b> , 149, 605-17	56.2	133
116	Ubiquitination-Deficient Mutations in Human Piwi Cause Male Infertility by Impairing Histone-to-Protamine Exchange during Spermiogenesis. <i>Cell</i> , <b>2017</b> , 169, 1090-1104.e13	56.2	116
115	One-step generation of complete gene knockout mice and monkeys by CRISPR/Cas9-mediated gene editing with multiple sgRNAs. <i>Cell Research</i> , <b>2017</b> , 27, 933-945	24.7	110
114	Zscan4 promotes genomic stability during reprogramming and dramatically improves the quality of iPS cells as demonstrated by tetraploid complementation. <i>Cell Research</i> , <b>2013</b> , 23, 92-106	24.7	110
113	Interspecies implantation and mitochondria fate of panda-rabbit cloned embryos. <i>Biology of Reproduction</i> , <b>2002</b> , 67, 637-42	3.9	110
112	Nanoliter-Scale Oil-Air-Droplet Chip-Based Single Cell Proteomic Analysis. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 5430-5438	7.8	101
111	CRISPR germline engineering--the community speaks. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 478-86	44.5	91
110	The transcription factor Pou3f1 promotes neural fate commitment via activation of neural lineage genes and inhibition of external signaling pathways. <i>ELife</i> , <b>2014</b> , 3,	8.9	85
109	Generation of haploid embryonic stem cells from <i>Macaca fascicularis</i> monkey parthenotes. <i>Cell Research</i> , <b>2013</b> , 23, 1187-200	24.7	85
108	piRNA-triggered MIWI ubiquitination and removal by APC/C in late spermatogenesis. <i>Developmental Cell</i> , <b>2013</b> , 24, 13-25	10.2	80

107	Calcineurin-NFAT signaling critically regulates early lineage specification in mouse embryonic stem cells and embryos. <i>Cell Stem Cell</i> , <b>2011</b> , 8, 46-58	18	75
106	Reprogramming of mouse and human somatic cells by high-performance engineered factors. <i>EMBO Reports</i> , <b>2011</b> , 12, 373-8	6.5	75
105	Rotation of meiotic spindle is controlled by microfilaments in mouse oocytes. <i>Biology of Reproduction</i> , <b>2003</b> , 68, 943-6	3.9	72
104	CRISPR-Cas9-Mediated Genetic Screening in Mice with Haploid Embryonic Stem Cells Carrying a Guide RNA Library. <i>Cell Stem Cell</i> , <b>2015</b> , 17, 221-32	18	70
103	A Translation-Activating Function of MIWI/piRNA during Mouse Spermiogenesis. <i>Cell</i> , <b>2019</b> , 179, 1566-1581.e16	5.2	61
102	Stk40 links the pluripotency factor Oct4 to the Erk/MAPK pathway and controls extraembryonic endoderm differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 1402-7	11.5	59
101	Screening for functional circular RNAs using the CRISPR-Cas13 system. <i>Nature Methods</i> , <b>2021</b> , 18, 51-59	21.6	57
100	Mice cloned from skin cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 2738-43	11.5	52
99	Tet Enzymes Regulate Telomere Maintenance and Chromosomal Stability of Mouse ESCs. <i>Cell Reports</i> , <b>2016</b> , 15, 1809-21	10.6	49
98	More synergetic cooperation of Yamanaka factors in induced pluripotent stem cells than in embryonic stem cells. <i>Cell Research</i> , <b>2009</b> , 19, 1127-38	24.7	44
97	CRISPR-Cas9-mediated base-editing screening in mice identifies DND1 amino acids that are critical for primordial germ cell development. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 1315-1325	23.4	36
96	Defects in trophoblast cell lineage account for the impaired <i>in vivo</i> development of cloned embryos generated by somatic nuclear transfer. <i>Cell Stem Cell</i> , <b>2011</b> , 8, 371-5	18	35
95	Temporal regulation of prenatal embryonic development by paternal imprinted loci. <i>Science China Life Sciences</i> , <b>2020</b> , 63, 1-17	8.5	35
94	Stimulation of somatic cell reprogramming by ERas-Akt-FoxO1 signaling axis. <i>Stem Cells</i> , <b>2014</b> , 32, 349-63	3.8	31
93	Bi-allelic Mutations in TTC29 Cause Male Subfertility with Asthenoteratospermia in Humans and Mice. <i>American Journal of Human Genetics</i> , <b>2019</b> , 105, 1168-1181	11	30
92	The roles of testicular c-kit positive cells in de novo morphogenesis of testis. <i>Scientific Reports</i> , <b>2014</b> , 4, 5936	4.9	29
91	Parthenogenetic haploid embryonic stem cells efficiently support mouse generation by oocyte injection. <i>Cell Research</i> , <b>2016</b> , 26, 131-4	24.7	28
90	LARP7-Mediated U6 snRNA Modification Ensures Splicing Fidelity and Spermatogenesis in Mice. <i>Molecular Cell</i> , <b>2020</b> , 77, 999-1013.e6	17.6	27

89	Germline-competent mouse-induced pluripotent stem cell lines generated on human fibroblasts without exogenous leukemia inhibitory factor. <i>PLoS ONE</i> , <b>2009</b> , 4, e6724	3.7	27
88	Nuclear transfer-mediated rescue of the nuclear genome of nonviable mouse cells frozen without cryoprotectant. <i>Biology of Reproduction</i> , <b>2008</b> , 79, 588-93	3.9	27
87	Generation of human haploid embryonic stem cells from parthenogenetic embryos obtained by microsurgical removal of male pronucleus. <i>Cell Research</i> , <b>2016</b> , 26, 743-6	24.7	27
86	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> , <b>2017</b> , 27, 815-829	24.7	23
85	piRNA-independent function of PIWIL1 as a co-activator for anaphase promoting complex/cyclosome to drive pancreatic cancer metastasis. <i>Nature Cell Biology</i> , <b>2020</b> , 22, 425-438	23.4	23
84	Different developmental potential of pluripotent stem cells generated by different reprogramming strategies. <i>Journal of Molecular Cell Biology</i> , <b>2011</b> , 3, 197-9	6.3	21
83	Histone deacetylation promotes mouse neural induction by restricting Nodal-dependent mesendoderm fate. <i>Nature Communications</i> , <b>2015</b> , 6, 6830	17.4	19
82	NRDE2 negatively regulates exosome functions by inhibiting MTR4 recruitment and exosome interaction. <i>Genes and Development</i> , <b>2019</b> , 33, 536-549	12.6	18
81	Generation and application of mammalian haploid embryonic stem cells. <i>Journal of Internal Medicine</i> , <b>2016</b> , 280, 236-45	10.8	18
80	VGLL4 plays a critical role in heart valve development and homeostasis. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1007977		18
79	Opposing Roles of Acetylation and Phosphorylation in LIFR-Dependent Self-Renewal Growth Signaling in Mouse Embryonic Stem Cells. <i>Cell Reports</i> , <b>2017</b> , 18, 933-946	10.6	17
78	The RNA-binding protein ROD1/PTBP3 cotranscriptionally defines AID-loading sites to mediate antibody class switch in mammalian genomes. <i>Cell Research</i> , <b>2018</b> , 28, 981-995	24.7	17
77	Non-equivalence of cloned and clonal mice. <i>Current Biology</i> , <b>2005</b> , 15, R756-7	6.3	17
76	PHF7 is a novel histone H2A E3 ligase prior to histone-to-protamine exchange during spermiogenesis. <i>Development (Cambridge)</i> , <b>2019</b> , 146,	6.6	16
75	Questions about NgAgo. <i>Protein and Cell</i> , <b>2016</b> , 7, 913-915	7.2	16
74	Genome-wide mapping of miRNAs expressed in embryonic stem cells and pluripotent stem cells generated by different reprogramming strategies. <i>BMC Genomics</i> , <b>2014</b> , 15, 488	4.5	16
73	Deleterious variants in X-linked CFAP47 induce asthenoteratozoospermia and primary male infertility. <i>American Journal of Human Genetics</i> , <b>2021</b> , 108, 309-323	11	16
72	High-efficiency somatic reprogramming induced by intact MII oocytes. <i>Cell Research</i> , <b>2010</b> , 20, 1034-42	24.7	15

71	EMC10 governs male fertility via maintaining sperm ion balance. <i>Journal of Molecular Cell Biology</i> , <b>2018</b> , 10, 503-514	6.3	14
70	Trivial role for NSMCE2 during proliferation and differentiation of male germline stem cells. <i>Reproduction</i> , <b>2017</b> , 154, 181-195	3.8	13
69	Targeted genetic screening in mice through haploid embryonic stem cells identifies critical genes in bone development. <i>PLoS Biology</i> , <b>2019</b> , 17, e3000350	9.7	12
68	Mediator Med23 deficiency enhances neural differentiation of murine embryonic stem cells through modulating BMP signaling. <i>Development (Cambridge)</i> , <b>2015</b> , 142, 465-76	6.6	12
67	Flow cytometric cell-cycle analysis of cultured fibroblasts from the giant panda, <i>Ailuropoda melanoleuca</i> L. <i>Cell Biology International</i> , <b>2003</b> , 27, 349-53	4.5	12
66	Polar bodies are efficient donors for reconstruction of human embryos for potential mitochondrial replacement therapy. <i>Cell Research</i> , <b>2017</b> , 27, 1069-1072	24.7	11
65	The adipose-derived lineage-negative cells are enriched mesenchymal stem cells and promote limb ischemia recovery in mice. <i>Stem Cells and Development</i> , <b>2014</b> , 23, 363-71	4.4	11
64	Derivation of Haploid Neurons from Mouse Androgenetic Haploid Embryonic Stem Cells. <i>Neuroscience Bulletin</i> , <b>2017</b> , 33, 361-364	4.3	10
63	Rabl2 GTP hydrolysis licenses BBSome-mediated export to fine-tune ciliary signaling. <i>EMBO Journal</i> , <b>2021</b> , 40, e105499	13	10
62	Efficient Generation of Gene-Modified Mice by Haploid Embryonic Stem Cell-Mediated Semi-cloned Technology. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1498, 121-133	1.4	9
61	Haploid embryonic stem cells: an ideal tool for mammalian genetic analyses. <i>Protein and Cell</i> , <b>2012</b> , 3, 806-10	7.2	9
60	Dosage effect of multiple genes accounts for multisystem disorder of myotonic dystrophy type 1. <i>Cell Research</i> , <b>2020</b> , 30, 133-145	24.7	9
59	Mitochondrial replacement by pre-pronuclear transfer in human embryos. <i>Cell Research</i> , <b>2017</b> , 27, 834-837	24.7	8
58	Distinct enhancer signatures in the mouse gastrula delineate progressive cell fate continuum during embryo development. <i>Cell Research</i> , <b>2019</b> , 29, 911-926	24.7	8
57	Technical advances contribute to the study of genomic imprinting. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008151	6	8
56	SCRE serves as a unique synaptonemal complex fastener and is essential for progression of meiosis prophase I in mice. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 5670-5683	20.1	8
55	Efficient generation of the mouse model with a defined point mutation through haploid cell-mediated gene editing. <i>Journal of Genetics and Genomics</i> , <b>2017</b> , 44, 461-463	4	8
54	Abnormal Paraventricular Nucleus of Hypothalamus and Growth Retardation Associated with Loss of Nuclear Receptor Gene COUP-TFII. <i>Scientific Reports</i> , <b>2017</b> , 7, 5282	4.9	8

53	Serial nuclear transfer improves the development of interspecies reconstructed giant panda ( <i>Aluropoda melanoleuca</i> ) embryos. <i>Science Bulletin</i> , <b>2002</b> , 47, 467		8
52	Structure-based discovery of nonhallucinogenic psychedelic analogs.. <i>Science</i> , <b>2022</b> , 375, 403-411	33.3	8
51	In vitro expansion of human sperm through nuclear transfer. <i>Cell Research</i> , <b>2020</b> , 30, 356-359	24.7	8
50	Stabilization of mouse haploid embryonic stem cells with combined kinase and signal modulation. <i>Scientific Reports</i> , <b>2017</b> , 7, 13222	4.9	7
49	The evolving CRISPR technology. <i>Protein and Cell</i> , <b>2019</b> , 10, 783-786	7.2	7
48	Generation of embryonic stem cells from mouse adipose-tissue derived cells via somatic cell nuclear transfer. <i>Cell Cycle</i> , <b>2015</b> , 14, 1282-90	4.7	7
47	Genome tagging project: tag every protein in mice through Artificial spermatids <i>National Science Review</i> , <b>2019</b> , 6, 394-396	10.8	7
46	CRISPR-Cas9-Mediated Gene Editing in Mouse Spermatogonial Stem Cells. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1622, 293-305	1.4	7
45	Rare deleterious BUB1B variants induce premature ovarian insufficiency and early menopause. <i>Human Molecular Genetics</i> , <b>2020</b> , 29, 2698-2707	5.6	7
44	Imbalance of Excitatory/Inhibitory Neuron Differentiation in Neurodevelopmental Disorders with an NR2F1 Point Mutation. <i>Cell Reports</i> , <b>2020</b> , 31, 107521	10.6	7
43	Artificial spermatid-mediated genome editing <i>Biology of Reproduction</i> , <b>2019</b> , 101, 538-548	3.9	6
42	Mice generated after round spermatid injection into haploid two-cell blastomeres. <i>Cell Research</i> , <b>2011</b> , 21, 854-8	24.7	6
41	Haploid embryonic stem cells can be enriched and maintained by simple filtration. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 5230-5235	5.4	5
40	Efficient CRISPR-based genome editing using tandem guide RNAs and editable surrogate reporters. <i>FEBS Open Bio</i> , <b>2018</b> , 8, 1167-1175	2.7	5
39	Mice cloned from white adipose tissue-derived cells. <i>Journal of Molecular Cell Biology</i> , <b>2013</b> , 5, 348-50	6.3	5
38	Differentiation character of adult mesenchymal stem cells and transfection of MSCs with lentiviral vectors. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , <b>2010</b> , 30, 687-93		5
37	Human cell based directed evolution of adenine base editors with improved efficiency. <i>Nature Communications</i> , <b>2021</b> , 12, 5897	17.4	5
36	Dynamic crotonylation of EB1 by TIP60 ensures accurate spindle positioning in mitosis. <i>Nature Chemical Biology</i> , <b>2021</b> , 17, 1314-1323	11.7	5

35	Paternal USP26 mutations raise Klinefelter syndrome risk in the offspring of mice and humans. <i>EMBO Journal</i> , <b>2021</b> , 40, e106864	13	5
34	TRIM34 attenuates colon inflammation and tumorigenesis by sustaining barrier integrity. <i>Cellular and Molecular Immunology</i> , <b>2021</b> , 18, 350-362	15.4	5
33	A mutation that blocks integrin $\beta$ activation prevents adaptive immune-mediated colitis without increasing susceptibility to innate colitis. <i>BMC Biology</i> , <b>2020</b> , 18, 64	7.3	4
32	Spermatogenic Cell-Specific Gene Mutation in Mice via CRISPR-Cas9. <i>Journal of Genetics and Genomics</i> , <b>2016</b> , 43, 289-96	4	4
31	Stem cell, basis and application. <i>Science Bulletin</i> , <b>2015</b> , 60, 1711-1712	10.6	4
30	Human foreskin fibroblast produces interleukin-6 to support derivation and self-renewal of mouse embryonic stem cells. <i>Stem Cell Research and Therapy</i> , <b>2012</b> , 3, 29	8.3	4
29	Chondroitin synthase-3 regulates nucleus pulposus degeneration through actin-induced YAP signaling. <i>FASEB Journal</i> , <b>2020</b> , 34, 16581-16600	0.9	4
28	The chromatin remodeler SRCAP promotes self-renewal of intestinal stem cells. <i>EMBO Journal</i> , <b>2020</b> , 39, e103786	13	4
27	Joint utilization of genetic analysis and semi-cloning technology reveals a digenic etiology of Müllerian anomalies. <i>Cell Research</i> , <b>2020</b> , 30, 91-94	24.7	4
26	Procr-expressing granulosa cells are highly proliferative and are important for follicle development. <i>iScience</i> , <b>2021</b> , 24, 102065	6.1	4
25	Tissue signals imprint Aiolos expression in ILC2s to modulate type 2 immunity. <i>Mucosal Immunology</i> , <b>2021</b> , 14, 1306-1322	9.2	4
24	Next-generation models of human cardiogenesis via genome editing. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2014</b> , 4, a013920	5.4	3
23	Nuclear transfer using nonquiescent adult fibroblasts from a bovine ear. <i>Science Bulletin</i> , <b>1999</b> , 44, 1971-1974		3
22	The SUN1-SPDYA interaction plays an essential role in meiosis prophase I. <i>Nature Communications</i> , <b>2021</b> , 12, 3176	17.4	3
21	Targeting lysophospholipid acid receptor 1 and ROCK kinases promotes antiviral innate immunity. <i>Science Advances</i> , <b>2021</b> , 7, eabb5933	14.3	3
20	Msi2-mediated MiR7a-1 processing repression promotes myogenesis. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2021</b> ,	10.3	3
19	Ubiquitination-Deficient Mutations in Human Piwi Cause Male Infertility by Impairing Histone-to-Protamine Exchange During Spermiogenesis. <i>Obstetrical and Gynecological Survey</i> , <b>2017</b> , 72, 540-541	2.4	2
18	Preface to the special topic on genome editing research in China. <i>National Science Review</i> , <b>2019</b> , 6, 389-390	0.8	2

17	CRISPR-Cas9-Mediated Genetic Screening in Mice with Haploid Embryonic Stem Cells Carrying a Guide RNA Library. <i>Cell Stem Cell</i> , <b>2015</b> , 17, 247	18	2
16	Combined application of CRISPR-Cas and stem cells for clinical and basic research. <i>Cell Regeneration</i> , <b>2020</b> , 9, 19	2.5	2
15	Small-molecule compounds boost genome-editing efficiency of cytosine base editor. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 8974-8986	20.1	2
14	Homozygous mutations in cause male infertility with oligoasthenoteratozoospermia in humans and mice. <i>Journal of Medical Genetics</i> , <b>2021</b> ,	5.8	2
13	Rett syndrome linked to defects in forming the MeCP2/Rbfox/LASR complex in mouse models. <i>Nature Communications</i> , <b>2021</b> , 12, 5767	17.4	2
12	An intermediate cell state allows rerouting of cell fate. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 19133-19134	5.1	1
11	Similarity of epigenetic reprogramming in primordial germ cells between human and mouse. <i>National Science Review</i> , <b>2015</b> , 2, 384-384	10.8	1
10	Combined application of CRISPR-Cas and stem cells for clinical and basic research. <i>Cell Regeneration</i> , <b>2020</b> , 9, 19	2.5	1
9	Temporal regulation of prenatal embryonic development by paternal imprinted loci		1
8	5FUTR SNP of causes translational defect and intellectual disability. <i>ELife</i> , <b>2021</b> , 10,	8.9	1
7	Constitutive Activity of Serotonin Receptor 6 Regulates Human Cerebral Organoids Formation and Depression-like Behaviors. <i>Stem Cell Reports</i> , <b>2021</b> , 16, 75-88	8	1
6	CEP128 is involved in spermatogenesis in humans and mice.. <i>Nature Communications</i> , <b>2022</b> , 13, 1395	17.4	1
5	3D hESC exosomes enriched with miR-6766-3p ameliorates liver fibrosis by attenuating activated stellate cells through targeting the TGFβII-SMADS pathway.. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 437	9.4	1
4	Gonadal mosaicism mediated female-biased gender control in mice.. <i>Protein and Cell</i> , <b>2022</b> , 1	7.2	0
3	Epigenetic integrity of paternal imprints enhances the developmental potential of androgenetic haploid embryonic stem cells. <i>Protein and Cell</i> , <b>2021</b> , 13, 102	7.2	0
2	Expansion of the mutant monkey through cloning. <i>Science China Life Sciences</i> , <b>2019</b> , 62, 865-867	8.5	
1	Lentiviral CRISPR-guided RNA library screening identified Adam17 as an upstream negative regulator of Procr in mammary epithelium. <i>BMC Biotechnology</i> , <b>2021</b> , 21, 42	3.5	