

# Li-Ying Yan

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

8,131  
citations

117625

34  
h-index

56724

83  
g-index

96  
all docs

96  
docs citations

96  
times ranked

12117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the role of autophagy during early human embryonic development through single-cell transcriptome and methylome analyses. <i>Science China Life Sciences</i> , 2022, 65, 940-952.	4.9	9
2	Maternal and neonatal outcomes following blastocyst biopsy for PGT in single vitrified-warmed embryo transfer cycles. <i>Reproductive BioMedicine Online</i> , 2022, 44, 151-162.	2.4	10
3	The function of Nucleoporin 37 on mouse oocyte maturation and preimplantation embryo development. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 107.	2.5	2
4	Dissecting Human Gonadal Cell Lineage Specification and Sex Determination Using A Single-cell RNA-seq Approach. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 223-245.	6.9	9
5	NAT10-mediated N <sup>4</sup> -acetylcytidine modification is required for meiosis entry and progression in male germ cells. <i>Nucleic Acids Research</i> , 2022, 50, 10896-10913.	14.5	20
6	The methylome of a human polar body reflects that of its sibling oocyte and its aberrance may indicate poor embryo development. <i>Human Reproduction</i> , 2021, 36, 318-330.	0.9	8
7	Effects of vitrification and cryostorage duration on single-cell RNA-Seq profiling of vitrified-thawed human metaphase II oocytes. <i>Frontiers of Medicine</i> , 2021, 15, 144-154.	3.4	23
8	Dissecting the epigenomic dynamics of human fetal germ cell development at single-cell resolution. <i>Cell Research</i> , 2021, 31, 463-477.	12.0	28
9	Single-cell multiomics sequencing reveals the functional regulatory landscape of early embryos. <i>Nature Communications</i> , 2021, 12, 1247.	12.8	79
10	Clinical application of an NGS-based method in the preimplantation genetic testing for Duchenne muscular dystrophy. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 1979-1986.	2.5	9
11	A comprehensive PGT-M strategy for ADPKD patients with de novo PKD1 mutations using affected embryo or gametes as proband. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 2425-2434.	2.5	6
12	Age-related changes in human conventional semen parameters and sperm chromatin structure assay-defined sperm DNA/chromatin integrity. <i>Reproductive BioMedicine Online</i> , 2021, 42, 973-982.	2.4	18
13	OP-IVM: Combining In vitro Maturation after Oocyte Retrieval with Gynecological Surgery. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	1
14	Loss of CEP70 function affects acrosome biogenesis and flagella formation during spermiogenesis. <i>Cell Death and Disease</i> , 2021, 12, 478.	6.3	12
15	DevOmics: an integrated multi-omics database of human and mouse early embryo. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	16
16	Poor intracytoplasmic sperm injection outcome in infertile males with azoospermia factor c microdeletions. <i>Fertility and Sterility</i> , 2021, 116, 96-104.	1.0	13
17	Lipid Metabolism Was Associated With Oocyte in vitro Maturation in Women With Polycystic Ovarian Syndrome Undergoing Unstimulated Natural Cycle. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 719173.	3.7	12
18	Application of next-generation sequencing to preimplantation genetic testing for recurrent hydatidiform mole patients. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 2881-2891.	2.5	0

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19	OUP accepted manuscript. Molecular Human Reproduction, 2021, , .	2.8	3
20	Trio whole-exome sequencing and preimplantation genetic diagnosis for unexplained recurrent fetal malformations. Human Mutation, 2020, 41, 432-448.	2.5	26
21	Single-cell transcriptomics identifies divergent developmental lineage trajectories during human pituitary development. Nature Communications, 2020, 11, 5275.	12.8	79
22	SARS-CoV-2 Entry Factors: ACE2 and TMPRSS2 Are Expressed in Peri-Implantation Embryos and the Maternal-Fetal Interface. Engineering, 2020, 6, 1162-1169.	6.7	27
23	5-Formylcytosine landscapes of human preimplantation embryos at single-cell resolution. PLoS Biology, 2020, 18, e3000799.	5.6	8
24	A novel pathogenic mutation in FBN2 associated with congenital contractural arachnodactyly for preimplantation genetic diagnosis. Journal of Genetics and Genomics, 2020, 47, 281-284.	3.9	1
25	Integrated multi-omics reveal epigenomic disturbance of assisted reproductive technologies in human offspring. EBioMedicine, 2020, 61, 103076.	6.1	41
26	Epigenetic consequences of hormonal interactions between opposite-sex twin fetuses. Clinical and Translational Medicine, 2020, 10, e234.	4.0	5
27	Single-cell transcriptome analysis of the novel coronavirus (SARS-CoV-2) associated gene ACE2 expression in normal and non-obstructive azoospermia (NOA) human male testes. Science China Life Sciences, 2020, 63, 1006-1015.	4.9	96
28	A strategy using SNP linkage analysis for monogenic diseases PGD combined with HLA typing. Clinical Genetics, 2020, 98, 138-146.	2.0	9
29	Novel PGD strategy based on single sperm linkage analysis for carriers of single gene pathogenic variant and chromosome reciprocal translocation. Journal of Assisted Reproduction and Genetics, 2020, 37, 1239-1250.	2.5	6
30	Effect of serum 25-hydroxyvitamin D levels on sperm quality and assisted reproductive technology outcomes for men of infertile Chinese couples. Andrology, 2020, 8, 1277-1286.	3.5	3
31	A novel homozygous mutation of phospholipase C zeta leading to defective human oocyte activation and fertilization failure. Human Reproduction, 2020, 35, 977-985.	0.9	27
32	Bioinspired l-Proline Oligomers for the Cryopreservation of Oocytes via Controlling Ice Growth. ACS Applied Materials & Interfaces, 2020, 12, 18352-18362.	8.0	52
33	Effects of oocyte vitrification on the behaviors and physiological indexes of aged first filial generation mice. Cryobiology, 2020, 95, 20-28.	0.7	4
34	scHaplotyper: haplotype construction and visualization for genetic diagnosis using single cell DNA sequencing data. BMC Bioinformatics, 2020, 21, 41.	2.6	9
35	Reconstituting the transcriptome and DNA methylome landscapes of human implantation. Nature, 2019, 572, 660-664.	27.8	207
36	Dissecting the transcriptome landscape of the human fetal neural retina and retinal pigment epithelium by single-cell RNA-seq analysis. PLoS Biology, 2019, 17, e3000365.	5.6	108

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37	Genetic analysis and preimplantation genetic diagnosis of Chinese Marfan syndrome patients. <i>Journal of Genetics and Genomics</i> , 2019, 46, 319-323.	3.9	3
38	Genetic testing and PGD for unexplained recurrent fetal malformations with MAGEL2 gene mutation. <i>Science China Life Sciences</i> , 2019, 62, 886-894.	4.9	6
39	Epigenetic Regulation and Risk Factors During the Development of Human Gametes and Early Embryos. <i>Annual Review of Genomics and Human Genetics</i> , 2019, 20, 21-40.	6.2	29
40	Risk of miscarriage in women with endometriosis undergoing IVF fresh cycles: a retrospective cohort study. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 21.	3.3	4
41	Single-Cell Transcriptome Analysis Maps the Developmental Track of the Human Heart. <i>Cell Reports</i> , 2019, 26, 1934-1950.e5.	6.4	355
42	Meiotic chromatid recombination and segregation assessed with human single cell genome sequencing data. <i>Journal of Medical Genetics</i> , 2019, 56, 156-163.	3.2	4
43	Endometrial miR-543 Is Downregulated During the Implantation Window in Women With Endometriosis-Related Infertility. <i>Reproductive Sciences</i> , 2019, 26, 900-908.	2.5	29
44	Single-cell DNA methylome sequencing of human preimplantation embryos. <i>Nature Genetics</i> , 2018, 50, 12-19.	21.4	248
45	A single-cell RNA-seq survey of the developmental landscape of the human prefrontal cortex. <i>Nature</i> , 2018, 555, 524-528.	27.8	551
46	Transcriptome Landscape of Human Folliculogenesis Reveals Oocyte and Granulosa Cell Interactions. <i>Molecular Cell</i> , 2018, 72, 1021-1034.e4.	9.7	262
47	Single-cell multiomics sequencing and analyses of human colorectal cancer. <i>Science</i> , 2018, 362, 1060-1063.	12.6	256
48	The present and future of whole-exome sequencing in studying and treating human reproductive disorders. <i>Journal of Genetics and Genomics</i> , 2018, 45, 517-525.	3.9	10
49	Single-Cell RNA Sequencing Analysis Reveals Sequential Cell Fate Transition during Human Spermatogenesis. <i>Cell Stem Cell</i> , 2018, 23, 599-614.e4.	11.1	309
50	Tracing the temporal-spatial transcriptome landscapes of the human fetal digestive tract using single-cell RNA-sequencing. <i>Nature Cell Biology</i> , 2018, 20, 721-734.	10.3	125
51	Activation of hedgehog signaling and its association with cisplatin resistance in ovarian epithelial tumors. <i>Oncology Letters</i> , 2018, 15, 5569-5576.	1.8	24
52	Identifying normal embryos from reciprocal translocation carriers by whole chromosome haplotyping. <i>Journal of Genetics and Genomics</i> , 2018, 45, 505-508.	3.9	7
53	Spatial transcriptomic survey of human embryonic cerebral cortex by single-cell RNA-seq analysis. <i>Cell Research</i> , 2018, 28, 730-745.	12.0	179
54	Single-cell multi-omics sequencing of human early embryos. <i>Nature Cell Biology</i> , 2018, 20, 847-858.	10.3	142

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55	Transcriptome analysis of PCOS arrested 2-cell embryos. <i>Cell Cycle</i> , 2018, 17, 1007-1013.	2.6	3
56	Testosterone Represses Estrogen Signaling by Upregulating miR-22. <i>Hypertension</i> , 2017, 69, 721-730.	2.7	41
57	Mesenchymal stem cell-derived angiogenin promotes primordial follicle survival and angiogenesis in transplanted human ovarian tissue. <i>Reproductive Biology and Endocrinology</i> , 2017, 15, 18.	3.3	50
58	Re-analysis of aneuploidy blastocysts with an inner cell mass and different regional trophectoderm cells. <i>Journal of Assisted Reproduction and Genetics</i> , 2017, 34, 487-493.	2.5	37
59	Single-Cell RNA-Seq Analysis Maps Development of Human Germline Cells and Gonadal Niche Interactions. <i>Cell Stem Cell</i> , 2017, 20, 858-873.e4.	11.1	376
60	The “normal” range of FMR1 triple CCG repeats may be associated with primary ovarian insufficiency in China. <i>Reproductive BioMedicine Online</i> , 2017, 34, 175-180.	2.4	12
61	DNA methylation and chromatin accessibility profiling of mouse and human fetal germ cells. <i>Cell Research</i> , 2017, 27, 165-183.	12.0	102
62	Cryobiological Characteristics of L-proline in Mammalian Oocyte Cryopreservation. <i>Chinese Medical Journal</i> , 2016, 129, 1963-1968.	2.3	13
63	L-proline: a highly effective cryoprotectant for mouse oocyte vitrification. <i>Scientific Reports</i> , 2016, 6, 26326.	3.3	36
64	Clinical applications of MARSALA for preimplantation genetic diagnosis of spinal muscular atrophy. <i>Journal of Genetics and Genomics</i> , 2016, 43, 541-547.	3.9	27
65	Bone mesenchymal stem cells improve pregnancy outcome by inducing maternal tolerance to the allogeneic fetus in abortion-prone matings in mouse. <i>Placenta</i> , 2016, 47, 29-36.	1.5	15
66	Fractalkine restores the decreased expression of StAR and progesterone in granulosa cells from patients with polycystic ovary syndrome. <i>Scientific Reports</i> , 2016, 6, 26205.	3.3	10
67	TRAIP is involved in chromosome alignment and SAC regulation in mouse oocyte meiosis. <i>Scientific Reports</i> , 2016, 6, 29735.	3.3	10
68	Tracing the expression of circular RNAs in human pre-implantation embryos. <i>Genome Biology</i> , 2016, 17, 130.	8.8	140
69	Validation of a next-generation sequencing-based protocol for 24-chromosome aneuploidy screening of blastocysts. <i>Fertility and Sterility</i> , 2016, 105, 1532-1536.	1.0	41
70	Human single follicle growth <i>in vitro</i> from cryopreserved ovarian tissue after slow freezing or vitrification. <i>Human Reproduction</i> , 2016, 31, 763-773.	0.9	50
71	High-fat diets exaggerate endocrine and metabolic phenotypes in a rat model of DHEA-induced PCOS. <i>Reproduction</i> , 2016, 151, 431-441.	2.6	37
72	Oocyte-expressed yes-associated protein is a key activator of the early zygotic genome in mouse. <i>Cell Research</i> , 2016, 26, 275-287.	12.0	108

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73	Epigenomic Landscape of Human Fetal Brain, Heart, and Liver. <i>Journal of Biological Chemistry</i> , 2016, 291, 4386-4398.	3.4	45
74	The Transcriptome and DNA Methylome Landscapes of Human Primordial Germ Cells. <i>Cell</i> , 2015, 161, 1437-1452.	28.9	500
75	Live births after simultaneous avoidance of monogenic diseases and chromosome abnormality by next-generation sequencing with linkage analyses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15964-15969.	7.1	115
76	Identification of a human subcortical maternal complex. <i>Molecular Human Reproduction</i> , 2015, 21, 320-329.	2.8	75
77	Mesenchymal Stem Cells Facilitate In Vitro Development of Human Preantral Follicle. <i>Reproductive Sciences</i> , 2015, 22, 1367-1376.	2.5	28
78	Gonadotropin-Mediated Dynamic Alterations During Bovine Oocyte Maturation In Vitro <sup>1</sup> . <i>Biology of Reproduction</i> , 2014, 91, 44.	2.7	2
79	Validation of multiple annealing and looping-based amplification cycle sequencing for 24-chromosome aneuploidy screening of cleavage-stage embryos. <i>Fertility and Sterility</i> , 2014, 102, 1685-1691.	1.0	31
80	The DNA methylation landscape of human early embryos. <i>Nature</i> , 2014, 511, 606-610.	27.8	787
81	Advances in preimplantation genetic diagnosis/screening. <i>Science China Life Sciences</i> , 2014, 57, 665-671.	4.9	13
82	ART do not increase the risk of Y-chromosome microdeletion in 19 candidate genes at AZF regions. <i>Reproduction, Fertility and Development</i> , 2014, 26, 778.	0.4	7
83	Effect of vitrification at the germinal vesicle stage on the global methylation status in mouse oocytes subsequently matured in vitro. <i>Chinese Medical Journal</i> , 2014, 127, 4019-24.	2.3	3
84	Single-cell RNA-Seq profiling of human preimplantation embryos and embryonic stem cells. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1131-1139.	8.2	1,416
85	Genome Analyses of Single Human Oocytes. <i>Cell</i> , 2013, 155, 1492-1506.	28.9	279
86	Effects of oocyte vitrification on histone modifications. <i>Reproduction, Fertility and Development</i> , 2010, 22, 920.	0.4	51
87	Application of three-dimensional fluorescence in situ hybridization to human preimplantation genetic diagnosis. <i>Fertility and Sterility</i> , 2009, 92, 1492-1495.	1.0	2
88	Selective impairment in glycogen synthase kinase-3 and mitogen-activated protein kinase phosphorylation: comparisons with the hyperandrogenic and the hyperinsulinemic rats. <i>Fertility and Sterility</i> , 2009, 92, 1447-1455.	1.0	7