

# Xiaoxi Sun

## List of Publications by Year in descending order

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62  
papers

2,441  
citations

279487

23  
h-index

233125

45  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2141  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transfer of Fresh versus Frozen Embryos in Ovulatory Women. <i>New England Journal of Medicine</i> , 2018, 378, 126-136.	13.9	367
2	Mutations in <i>TUBB8</i> and Human Oocyte Meiotic Arrest. <i>New England Journal of Medicine</i> , 2016, 374, 223-232.	13.9	212
3	Mutations in <i>PADI6</i> Cause Female Infertility Characterized by Early Embryonic Arrest. <i>American Journal of Human Genetics</i> , 2016, 99, 744-752.	2.6	160
4	Live Birth with or without Preimplantation Genetic Testing for Aneuploidy. <i>New England Journal of Medicine</i> , 2021, 385, 2047-2058.	13.9	142
5	Biallelic Mutations in <i>PATL2</i> Cause Female Infertility Characterized by Oocyte Maturation Arrest. <i>American Journal of Human Genetics</i> , 2017, 101, 609-615.	2.6	108
6	Mutations in <i>TUBB8</i> cause a multiplicity of phenotypes in human oocytes and early embryos. <i>Journal of Medical Genetics</i> , 2016, 53, 662-671.	1.5	91
7	Mutations in <i>NLRP2</i> and <i>NLRP5</i> cause female infertility characterised by early embryonic arrest. <i>Journal of Medical Genetics</i> , 2019, 56, 471-480.	1.5	87
8	MiRNA-320 in the human follicular fluid is associated with embryo quality in vivo and affects mouse embryonic development in vitro. <i>Scientific Reports</i> , 2015, 5, 8689.	1.6	79
9	Bi-allelic Missense Pathogenic Variants in <i>TRIP13</i> Cause Female Infertility Characterized by Oocyte Maturation Arrest. <i>American Journal of Human Genetics</i> , 2020, 107, 15-23.	2.6	78
10	A pannexin 1 channelopathy causes human oocyte death. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	73
11	Novel mutations in <i>ZP1</i> , <i>ZP2</i> , and <i>ZP3</i> cause female infertility due to abnormal zona pellucida formation. <i>Human Genetics</i> , 2019, 138, 327-337.	1.8	70
12	The comprehensive mutational and phenotypic spectrum of <i>TUBB8</i> in female infertility. <i>European Journal of Human Genetics</i> , 2019, 27, 300-307.	1.4	63
13	Homozygous Mutations in <i>BTG4</i> Cause Zygotic Cleavage Failure and Female Infertility. <i>American Journal of Human Genetics</i> , 2020, 107, 24-33.	2.6	63
14	In Vitro Modeling of Human Germ Cell Development Using Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2018, 10, 509-523.	2.3	57
15	Disruption in <i>ACTL7A</i> causes acrosomal ultrastructural defects in human and mouse sperm as a novel male factor inducing early embryonic arrest. <i>Science Advances</i> , 2020, 6, eaaz4796.	4.7	50
16	MicroRNA expression profile analysis in sperm reveals hsa-mir-191 as an auspicious omen of in vitro fertilization. <i>BMC Genomics</i> , 2020, 21, 165.	1.2	46
17	Biallelic mutations in <i>CDC20</i> cause female infertility characterized by abnormalities in oocyte maturation and early embryonic development. <i>Protein and Cell</i> , 2020, 11, 921-927.	4.8	43
18	Homozygous mutations in <i>REC114</i> cause female infertility characterised by multiple pronuclei formation and early embryonic arrest. <i>Journal of Medical Genetics</i> , 2020, 57, 187-194.	1.5	39

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19	Analysis of segregation patterns of quadrivalent structures and the effect on genome stability during meiosis in reciprocal translocation carriers. <i>Human Reproduction</i> , 2018, 33, 757-767.	0.4	36
20	Identification novel mutations in TUBB8 in female infertility and a novel phenotype of large polar body in oocytes with TUBB8 mutations. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 1837-1847.	1.2	36
21	Expanding the genetic and phenotypic spectrum of female infertility caused by TLE6 mutations. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 437-442.	1.2	35
22	The establishment and application of preimplantation genetic haplotyping in embryo diagnosis for reciprocal and Robertsonian translocation carriers. <i>BMC Medical Genomics</i> , 2017, 10, 60.	0.7	29
23	The identification of novel mutations in PLCZ1 responsible for human fertilization failure and a therapeutic intervention by artificial oocyte activation. <i>Molecular Human Reproduction</i> , 2020, 26, 80-87.	1.3	28
24	<i>FBXO43</i> variants in patients with female infertility characterized by early embryonic arrest. <i>Human Reproduction</i> , 2021, 36, 2392-2402.	0.4	28
25	Novel mutations in <i>WEE2</i>: Expanding the spectrum of mutations responsible for human fertilization failure. <i>Clinical Genetics</i> , 2019, 95, 520-524.	1.0	27
26	High oestradiol concentration after ovarian stimulation is associated with lower maternal serum beta-HCG concentration and neonatal birth weight. <i>Reproductive BioMedicine Online</i> , 2017, 35, 189-196.	1.1	26
27	Lectin binding of human sperm associates with DEFB126 mutation and serves as a potential biomarker for subfertility. <i>Scientific Reports</i> , 2016, 6, 20249.	1.6	25
28	Long-read sequencing and haplotype linkage analysis enabled preimplantation genetic testing for patients carrying pathogenic inversions. <i>Journal of Medical Genetics</i> , 2019, 56, 741-749.	1.5	25
29	MicroRNA-451 is downregulated in the follicular fluid of women with endometriosis and influences mouse and human embryonic potential. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 96.	1.4	22
30	Expanded carrier screening in Chinese patients seeking the help of assisted reproductive technology. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2020, 8, e1340.	0.6	22
31	A comprehensive and universal approach for embryo testing in patients with different genetic disorders. <i>Clinical and Translational Medicine</i> , 2021, 11, e490.	1.7	20
32	Novel biallelic mutations in <i>MEI1</i> expanding the phenotypic spectrum to human embryonic arrest and recurrent implantation failure. <i>Human Reproduction</i> , 2021, 36, 2371-2381.	0.4	19
33	Quadrivalent asymmetry in reciprocal translocation carriers predicts meiotic segregation patterns in cleavage stage embryos. <i>Reproductive BioMedicine Online</i> , 2014, 29, 490-498.	1.1	16
34	Association of skewed X chromosome inactivation and idiopathic recurrent spontaneous abortion: a systematic review and meta-analysis. <i>Reproductive BioMedicine Online</i> , 2015, 31, 140-148.	1.1	15
35	Integrins $\beta$ 1 and $\beta$ 3 are biomarkers of uterine condition for embryo transfer. <i>Journal of Translational Medicine</i> , 2016, 14, 303.	1.8	15
36	Identifying Balanced Chromosomal Translocations in Human Embryos by Oxford Nanopore Sequencing and Breakpoints Region Analysis. <i>Frontiers in Genetics</i> , 2021, 12, 810900.	1.1	14

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37	Improved cryotolerance and developmental competence of human oocytes matured in vitro by transient hydrostatic pressure treatment prior to vitrification. <i>Cryobiology</i> , 2017, 75, 144-150.	0.3	12
38	A novel homozygous variant in ZP2 causes abnormal zona pellucida formation and female infertility. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 1239-1245.	1.2	11
39	Genetic variations in the 3'-untranslated region of <i>SLC18A2</i> are associated with serum FSH concentration in polycystic ovary syndrome patients and regulate gene expression in vitro. <i>Human Reproduction</i> , 2016, 31, 2150-2157.	0.4	10
40	Anordrin Eliminates Tamoxifen Side Effects without Changing Its Antitumor Activity. <i>Scientific Reports</i> , 2017, 7, 43940.	1.6	10
41	A Retrospective Study of Cytogenetic Results From Amniotic Fluid in 5328 Fetuses With Abnormal Obstetric Sonographic Findings. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 1809-1817.	0.8	10
42	17 $\beta$ -estradiol promotes bone marrow mesenchymal stem cell migration mediated by chemokine upregulation. <i>Biochemical and Biophysical Research Communications</i> , 2020, 530, 381-388.	1.0	10
43	Novel mutations in LHCGR (luteinizing hormone/choriogonadotropin receptor): expanding the spectrum of mutations responsible for human empty follicle syndrome. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 2861-2868.	1.2	10
44	BasePhasing: a highly efficient approach for preimplantation genetic haplotyping in clinical application of balanced translocation carriers. <i>BMC Medical Genomics</i> , 2019, 12, 52.	0.7	9
45	Expression of ENPP3 in human cyclic endometrium: a novel molecule involved in embryo implantation. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1277.	0.1	8
46	Comparison of the effect of immediate versus delayed transfer following a stimulated IVF cycle on the ongoing pregnancy rate of frozen-thawed embryo transfer cycles: a study protocol for a randomised controlled trial. <i>BMJ Open</i> , 2018, 8, e020507.	0.8	8
47	Ovarian endometrioma infiltrating neutrophils orchestrate immunosuppressive microenvironment. <i>Journal of Ovarian Research</i> , 2020, 13, 44.	1.3	8
48	Non-invasive metabolomic profiling of Day 3 embryo culture media using near-infrared spectroscopy to assess the development potential of embryos. <i>Acta Biochimica Et Biophysica Sinica</i> , 2013, 45, 1074-1078.	0.9	7
49	Effects of euploid blastocyst morphological development on reproductive outcomes. <i>Reproductive Biology</i> , 2020, 20, 496-500.	0.9	7
50	Conventional ICSI improves the euploid embryo rate in male reciprocal translocation carriers. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 129-138.	1.2	7
51	Immediate versus delayed frozen embryo transfer in patients following a stimulated IVF cycle: a randomised controlled trial. <i>Human Reproduction</i> , 2021, 36, 1832-1840.	0.4	7
52	Comparison of PGS2.0 versus conventional embryo morphology evaluation for patients with recurrent pregnancy loss: a study protocol for a multicentre randomised trial. <i>BMJ Open</i> , 2020, 10, e036252.	0.8	6
53	Monozygotic dichorionic-diamniotic pregnancies following single frozen-thawed blastocyst transfer: a retrospective case series. <i>BMC Pregnancy and Childbirth</i> , 2020, 20, 768.	0.9	6
54	Resolvin E1 in Follicular Fluid Acts as a Potential Biomarker and Improves Oocyte Developmental Competence by Optimizing Cumulus Cells. <i>Frontiers in Endocrinology</i> , 2020, 11, 210.	1.5	6

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55	PPOS Protocol Effectively Improves the IVF Outcome Without Increasing the Recurrence Rate in Early Endometrioid Endometrial Cancer and Atypical Endometrial Hyperplasia Patients After Fertility Preserving Treatment. <i>Frontiers in Medicine</i> , 2021, 8, 581927.	1.2	6
56	Progesterone activates the cyclic AMP-protein kinase A signalling pathway by upregulating <i>ABHD2</i> in fertile men. <i>Journal of International Medical Research</i> , 2021, 49, 030006052199952.	0.4	4
57	Complete androgen insensitivity syndrome caused by a novel mutation in the androgen receptor gene and its mechanism. <i>Clinica Chimica Acta</i> , 2022, 531, 94-99.	0.5	4
58	Meiotic Heterogeneity of Trivalent Structure and Interchromosomal Effect in Blastocysts With Robertsonian Translocations. <i>Frontiers in Genetics</i> , 2021, 12, 609563.	1.1	3
59	Gankyrin has a potential role in embryo implantation via activation of STAT3. <i>Reproduction</i> , 2022, 163, 157-165.	1.1	2
60	Re-denudation of residual cumulus cells on day 3 increases the accuracy of cell-free DNA detection in spent embryo culture medium. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 1653-1660.	1.2	2
61	Combined Preimplantation Genetic Testing for Genetic Kidney Disease: Genetic Risk Identification, Assisted Reproductive Cycle, and Pregnancy Outcome Analysis. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	2
62	Authors'™ response to Scriven's™ Letter to the Editor ( <i>Journal of Assisted Reproduction and Genetics</i> ;) Tj ETQq0 0 0 rgBT /Overlock 1257-1259.	1.2	0