Xiaoxi Sun

List of Publications by Year
in descending order

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62 papers	2,441 citations	279798 23 h-index	233421 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. New England Journal of Medicine, 2018, 378, 126-136.	27.0	367
2	Mutations in TUBB8 and Human Oocyte Meiotic Arrest. New England Journal of Medicine, 2016, 374, 223-232.	27.0	212
3	Mutations in PADI6 Cause Female Infertility Characterized by Early Embryonic Arrest. American Journal of Human Genetics, 2016, 99, 744-752.	6.2	160
4	Live Birth with or without Preimplantation Genetic Testing for Aneuploidy. New England Journal of Medicine, 2021, 385, 2047-2058.	27.0	142
5	Biallelic Mutations in PATL2 Cause Female Infertility Characterized by Oocyte Maturation Arrest. American Journal of Human Genetics, 2017, 101, 609-615.	6.2	108
6	Mutations inTUBB8cause a multiplicity of phenotypes in human oocytes and early embryos. Journal of Medical Genetics, 2016, 53, 662-671.	3.2	91
7	Mutations in NLRP2 and NLRP5 cause female infertility characterised by early embryonic arrest. Journal of Medical Genetics, 2019, 56, 471-480.	3.2	87
8	MiRNA-320 in the human follicular fluid is associated with embryo quality in vivo and affects mouse embryonic development in vitro. Scientific Reports, 2015, 5, 8689.	3.3	79
9	Bi-allelic Missense Pathogenic Variants in TRIP13 Cause Female Infertility Characterized by Oocyte Maturation Arrest. American Journal of Human Genetics, 2020, 107, 15-23.	6.2	78
10	A pannexin 1 channelopathy causes human oocyte death. Science Translational Medicine, 2019, 11, .	12.4	73
11	Novel mutations in ZP1, ZP2, and ZP3 cause female infertility due to abnormal zona pellucida formation. Human Genetics, 2019, 138, 327-337.	3.8	70
12	The comprehensive mutational and phenotypic spectrum of TUBB8 in female infertility. European Journal of Human Genetics, 2019, 27, 300-307.	2.8	63
13	Homozygous Mutations in BTG4 Cause Zygotic Cleavage Failure and Female Infertility. American Journal of Human Genetics, 2020, 107, 24-33.	6.2	63
14	InÂVitro Modeling of Human Germ Cell Development Using Pluripotent Stem Cells. Stem Cell Reports, 2018, 10, 509-523.	4.8	57
15	Disruption in ACTL7A causes acrosomal ultrastructural defects in human and mouse sperm as a novel male factor inducing early embryonic arrest. Science Advances, 2020, 6, eaaz4796.	10.3	50
16	MicroRNA expression profile analysis in sperm reveals hsa-mir-191 as an auspicious omen of in vitro fertilization. BMC Genomics, 2020, 21, 165.	2.8	46
17	Biallelic mutations in CDC20 cause female infertility characterized by abnormalities in oocyte maturation and early embryonic development. Protein and Cell, 2020, 11, 921-927.	11.0	43
18	Homozygous mutations in REC114 cause female infertility characterised by multiple pronuclei formation and early embryonic arrest. Journal of Medical Genetics, 2020, 57, 187-194.	3.2	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. Human Reproduction, 2018, 33, 757-767.	0.9	36
20	Identification novel mutations in TUBB8 in female infertility and a novel phenotype of large polar body in oocytes with TUBB8 mutations. Journal of Assisted Reproduction and Genetics, 2020, 37, 1837-1847.	2.5	36
21	Expanding the genetic and phenotypic spectrum of female infertility caused by TLE6 mutations. Journal of Assisted Reproduction and Genetics, 2020, 37, 437-442.	2.5	35
22	The establishment and application of preimplantation genetic haplotyping in embryo diagnosis for reciprocal and Robertsonian translocation carriers. BMC Medical Genomics, 2017, 10, 60.	1.5	29
23	The identification of novel mutations in PLCZ1 responsible for human fertilization failure and a therapeutic intervention by artificial oocyte activation. Molecular Human Reproduction, 2020, 26, 80-87.	2.8	28
24	FBXO43 variants in patients with female infertility characterized by early embryonic arrest. Human Reproduction, 2021, 36, 2392-2402.	0.9	28
25	Novel mutations in WEE2: Expanding the spectrum of mutations responsible for human fertilization failure. Clinical Genetics, 2019, 95, 520-524.	2.0	27
26	High oestradiol concentration after ovarian stimulation is associated with lower maternal serum beta-HCG concentration and neonatal birth weight. Reproductive BioMedicine Online, 2017, 35, 189-196.	2.4	26
27	Lectin binding of human sperm associates with DEFB126 mutation and serves as a potential biomarker for subfertility. Scientific Reports, 2016, 6, 20249.	3.3	25
28	Long-read sequencing and haplotype linkage analysis enabled preimplantation genetic testing for patients carrying pathogenic inversions. Journal of Medical Genetics, 2019, 56, 741-749.	3.2	25
29	MicroRNA-451 is downregulated in the follicular fluid of women with endometriosis and influences mouse and human embryonic potential. Reproductive Biology and Endocrinology, 2019, 17, 96.	3.3	22
30	Expanded carrier screening in Chinese patients seeking the help of assisted reproductive technology. Molecular Genetics & Genomic Medicine, 2020, 8, e1340.	1.2	22
31	A comprehensive and universal approach for embryo testing in patients with different genetic disorders. Clinical and Translational Medicine, 2021, 11, e490.	4.0	20
32	Novel biallelic mutations in MEI1: expanding the phenotypic spectrum to human embryonic arrest and recurrent implantation failure. Human Reproduction, 2021, 36, 2371-2381.	0.9	19
33	Quadrivalent asymmetry in reciprocal translocation carriers predicts meiotic segregation patterns in cleavage stage embryos. Reproductive BioMedicine Online, 2014, 29, 490-498.	2.4	16
34	Association of skewed X chromosome inactivation and idiopathic recurrent spontaneous abortion: a systematic review and meta-analysis. Reproductive BioMedicine Online, 2015, 31, 140-148.	2.4	15
35	Integrins Î²1 and Î²3 are biomarkers of uterine condition for embryo transfer. Journal of Translational Medicine, 2016, 14, 303.	4.4	15
36	Identifying Balanced Chromosomal Translocations in Human Embryos by Oxford Nanopore Sequencing and Breakpoints Region Analysis. Frontiers in Genetics, 2021, 12, 810900.	2.3	14

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37	Improved cryotolerance and developmental competence of human oocytes matured inÂvitro by transient hydrostatic pressure treatment prior to vitrification. Cryobiology, 2017, 75, 144-150.	0.7	12
38	A novel homozygous variant in ZP2 causes abnormal zona pellucida formation and female infertility. Journal of Assisted Reproduction and Genetics, 2021, 38, 1239-1245.	2.5	11
39	Genetic variations in the 3â€²-untranslated region ofSLC18A2are associated with serum FSH concentration in polycystic ovary syndrome patients and regulate gene expressionin vitro. Human Reproduction, 2016, 31, 2150-2157.	0.9	10
40	Anordrin Eliminates Tamoxifen Side Effects without Changing Its Antitumor Activity. Scientific Reports, 2017, 7, 43940.	3.3	10
41	A Retrospective Study of Cytogenetic Results From Amniotic Fluid in 5328 Fetuses With Abnormal Obstetric Sonographic Findings. Journal of Ultrasound in Medicine, 2017, 36, 1809-1817.	1.7	10
42	17Î²-estradiol promotes bone marrow mesenchymal stem cell migration mediated by chemokine upregulation. Biochemical and Biophysical Research Communications, 2020, 530, 381-388.	2.1	10
43	Novel mutations in LHCGR (luteinizing hormone/choriogonadotropin receptor): expanding the spectrum of mutations responsible for human empty follicle syndrome. Journal of Assisted Reproduction and Genetics, 2020, 37, 2861-2868.	2.5	10
44	BasePhasing: a highly efficient approach for preimplantation genetic haplotyping in clinical application of balanced translocation carriers. BMC Medical Genomics, 2019, 12, 52.	1.5	9
45	Expression of ENPP3 in human cyclic endometrium: a novel molecule involved in embryo implantation. Reproduction, Fertility and Development, 2018, 30, 1277.	0.4	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. BMJ Open, 2018, 8, e020507.	1.9	8
47	Ovarian endometrioma infiltrating neutrophils orchestrate immunosuppressive microenvironment. Journal of Ovarian Research, 2020, 13, 44.	3.0	8
48	Non-invasive metabolomic profiling of Day 3 embryo culture media using near-infrared spectroscopy to assess the development potential of embryos. Acta Biochimica Et Biophysica Sinica, 2013, 45, 1074-1078.	2.0	7
49	Effects of euploid blastocyst morphological development on reproductive outcomes. Reproductive Biology, 2020, 20, 496-500.	1.9	7
50	Conventional ICSI improves the euploid embryo rate in male reciprocal translocation carriers. Journal of Assisted Reproduction and Genetics, 2021, 38, 129-138.	2.5	7
51	Immediate versus delayed frozen embryo transfer in patients following a stimulated IVF cycle: a randomised controlled trial. Human Reproduction, 2021, 36, 1832-1840.	0.9	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. BMJ Open, 2020, 10, e036252.	1.9	6
53	Monozygotic dichorionic-diamniotic pregnancies following single frozen-thawed blastocyst transfer: a retrospective case series. BMC Pregnancy and Childbirth, 2020, 20, 768.	2.4	6
54	Resolvin E1 in Follicular Fluid Acts as a Potential Biomarker and Improves Oocyte Developmental Competence by Optimizing Cumulus Cells. Frontiers in Endocrinology, 2020, 11, 210.	3.5	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. Frontiers in Medicine, 2021, 8, 581927.	2.6	6
56	Progesterone activates the cyclic AMP-protein kinase A signalling pathway by upregulating ABHD2 in fertile men. Journal of International Medical Research, 2021, 49, 030006052199952.	1.0	4
57	Complete androgen insensitivity syndrome caused by a novel mutation in the androgen receptor gene and its mechanism. Clinica Chimica Acta, 2022, 531, 94-99.	1.1	4
58	Meiotic Heterogeneity of Trivalent Structure and Interchromosomal Effect in Blastocysts With Robertsonian Translocations. Frontiers in Genetics, 2021, 12, 609563.	2.3	3
59	Gankyrin has a potential role in embryo implantation via activation of STAT3. Reproduction, 2022, 163, 157-165.	2.6	2
60	Re-denudation of residual cumulus cells on day 3 increases the accuracy of cell-free DNA detection in spent embryo culture medium. Journal of Assisted Reproduction and Genetics, 2022, 39, 1653-1660.	2.5	2
61	Combined Preimplantation Genetic Testing for Genetic Kidney Disease: Genetic Risk Identification, Assisted Reproductive Cycle, and Pregnancy Outcome Analysis. Frontiers in Medicine, 0, 9, .	2.6	2
62	Authorsâ€™ response to Scrivenâ€™s Letter to the Editor (Journal of Assisted Reproduction and Genetics;) Tj ETQq0 0 0 rgBT /Overlock 1257-1259.	2.5	0