

Bing Yao

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,430
citations

394421

19
h-index

361022

35
g-index

58
all docs

58
docs citations

58
times ranked

2328
citing authors

#	ARTICLE	IF	CITATIONS
1	Absence of 2019 novel coronavirus in semen and testes of COVID-19 patients. <i>Biology of Reproduction</i> , 2020, 103, 4-6.	2.7	236
2	Human papillomavirus in semen and the risk for male infertility: a systematic review and meta-analysis. <i>BMC Infectious Diseases</i> , 2017, 17, 714.	2.9	80
3	The Semen pH Affects Sperm Motility and Capacitation. <i>PLoS ONE</i> , 2015, 10, e0132974.	2.5	73
4	Profiles of Emerging and Legacy Per-/Polyfluoroalkyl Substances in Matched Serum and Semen Samples: New Implications for Human Semen Quality. <i>Environmental Health Perspectives</i> , 2019, 127, 127005.	6.0	72
5	Association analysis identifies new risk loci for non-obstructive azoospermia in Chinese men. <i>Nature Communications</i> , 2014, 5, 3857.	12.8	64
6	PRMT1-mediated H4R3me2a recruits SMARCA4 to promote colorectal cancer progression by enhancing EGFR signaling. <i>Genome Medicine</i> , 2021, 13, 58.	8.2	62
7	PRMT5-dependent transcriptional repression of c-Myc target genes promotes gastric cancer progression. <i>Theranostics</i> , 2020, 10, 4437-4452.	10.0	55
8	Sperm microRNAs confer depression susceptibility to offspring. <i>Science Advances</i> , 2021, 7, .	10.3	53
9	Sirt1/Nrf2 pathway is involved in oocyte aging by regulating Cyclin B1. <i>Aging</i> , 2018, 10, 2991-3004.	3.1	50
10	The effect of vitamin D on sperm motility and the underlying mechanism. <i>Asian Journal of Andrology</i> , 2019, 21, 400.	1.6	47
11	Effects of saturated palmitic acid and omega-3 polyunsaturated fatty acids on Sertoli cell apoptosis. <i>Systems Biology in Reproductive Medicine</i> , 2018, 64, 368-380.	2.1	45
12	Analysis of human sperm DNA fragmentation index (DFI) related factors: a report of 1010 subfertile men in China. <i>Reproductive Biology and Endocrinology</i> , 2018, 16, 23.	3.3	42
13	The effects of acupuncture on pregnancy outcomes of in vitro fertilization: a systematic review and meta-analysis. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 131.	3.7	39
14	Oxidized-LDL inhibits testosterone biosynthesis by affecting mitochondrial function and the p38 MAPK/COX-2 signaling pathway in Leydig cells. <i>Cell Death and Disease</i> , 2020, 11, 626.	6.3	37
15	Relationship between Lipids Levels of Serum and Seminal Plasma and Semen Parameters in 631 Chinese Subfertile Men. <i>PLoS ONE</i> , 2016, 11, e0146304.	2.5	33
16	A Screen for Genomic Disorders of Infertility Identifies MAST2 Duplications Associated with Nonobstructive Azoospermia in Humans. <i>Biology of Reproduction</i> , 2015, 93, 61.	2.7	30
17	TCF3 is epigenetically silenced by EZH2 and DNMT3B and functions as a tumor suppressor in endometrial cancer. <i>Cell Death and Differentiation</i> , 2021, 28, 3316-3328.	11.2	25
18	Annexin A5 regulates Leydig cell testosterone production via ERK1/2 pathway. <i>Asian Journal of Andrology</i> , 2016, 18, 456.	1.6	22

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19	Brain-derived neurotrophic factor promotes human granulosa-like tumor cell steroidogenesis and proliferation by activating the FSH receptor-mediated signaling pathway. <i>Scientific Reports</i> , 2017, 7, 180.	3.3	21
20	CARM1-mediated methylation of protein arginine methyltransferase 5 represses human β -globin gene expression in erythroleukemia cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 17454-17463.	3.4	20
21	Mitochondria-related miR-574 reduces sperm ATP by targeting ND5 in aging males. <i>Aging</i> , 2020, 12, 8321-8338.	3.1	19
22	Alteration of protein prenylation promotes spermatogonial differentiation and exhausts spermatogonial stem cells in newborn mice. <i>Scientific Reports</i> , 2016, 6, 28917.	3.3	18
23	Role of peroxiredoxin 2 in H ₂ O ₂ -induced oxidative stress of primary Leydig cells. <i>Molecular Medicine Reports</i> , 2016, 13, 4807-4813.	2.4	18
24	Spermatogenesis improved by suppressing the high level of endogenous gonadotropins in idiopathic non-obstructive azoospermia: a case control pilot study. <i>Reproductive Biology and Endocrinology</i> , 2018, 16, 91.	3.3	18
25	Blastomere removal from cleavage-stage mouse embryos alters placental function, which is associated with placental oxidative stress and inflammation. <i>Scientific Reports</i> , 2016, 6, 25023.	3.3	16
26	A study on the localization and distribution of GnRH and its receptor in rat submaxillary glands by immunohistochemical, in situ hybridization and RT-PCR. <i>Life Sciences</i> , 2003, 72, 2895-2904.	4.3	15
27	Advanced glycation end product concentrations in follicular fluid of women undergoing IVF/ICSI with a GnRH agonist protocol. <i>Reproductive BioMedicine Online</i> , 2018, 36, 20-25.	2.4	13
28	Low-frequency germline variants across 6p22.2-6p21.33 are associated with non-obstructive azoospermia in Han Chinese men. <i>Human Molecular Genetics</i> , 2015, 24, 5628-5636.	2.9	12
29	A Non-invasive Chromosome Screening Strategy for Prioritizing in vitro Fertilization Embryos for Implantation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 708322.	3.7	12
30	LncRNA Tug1 maintains blood-testis barrier integrity by modulating Ccl2 expression in high-fat diet mice. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 114.	5.4	12
31	The toxic effects and possible mechanisms of Brusatol on mouse oocytes. <i>PLoS ONE</i> , 2017, 12, e0177844.	2.5	11
32	Rosiglitazone ameliorates palmitic acid-induced cytotoxicity in TM4 Sertoli cells. <i>Reproductive Biology and Endocrinology</i> , 2018, 16, 98.	3.3	11
33	Identification and preliminary study of immunogens involved in autoimmune prostatitis in human males. <i>Prostate</i> , 2018, 78, 1092-1102.	2.3	11
34	TFE3 regulates renal adenocarcinoma cell proliferation via activation of the mTOR pathway. <i>Molecular Medicine Reports</i> , 2017, 16, 2721-2725.	2.4	10
35	Omega-3 polyunsaturated fatty acids alleviate hydrogen sulfide-induced blood-testis barrier disruption in the testes of adult mice. <i>Reproductive Toxicology</i> , 2020, 98, 233-241.	2.9	10
36	Protein palmitoylation-mediated palmitic acid sensing causes blood-testis barrier damage via inducing ER stress. <i>Redox Biology</i> , 2022, 54, 102380.	9.0	10

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37	Annexin V-induced rat Leydig cell proliferation involves Ect2 via RhoA/ROCK signaling pathway. <i>Scientific Reports</i> , 2015, 5, 9437.	3.3	9
38	Electroacupuncture decreases the progression of ovarian hyperstimulation syndrome in a rat model. <i>Reproductive BioMedicine Online</i> , 2016, 32, 538-544.	2.4	9
39	NLRP3 promotes endometrial receptivity by inducing epithelial-mesenchymal transition of the endometrial epithelium. <i>Molecular Human Reproduction</i> , 2021, 27, .	2.8	9
40	miR-125a-5p increases cellular DNA damage of aging males and perturbs stage-specific embryo development via Rbm38-p53 signaling. <i>Aging Cell</i> , 2021, 20, e13508.	6.7	9
41	The effect of induced anti-follicle-stimulating hormone autoantibody on serum hormone level and apoptosis in rat testis. <i>Life Sciences</i> , 2012, 91, 83-88.	4.3	8
42	Maternal diabetes impairs the initiation of meiosis in murine female germ cells. <i>Molecular Medicine Reports</i> , 2017, 16, 5189-5194.	2.4	7
43	Impairment of Pol β -related DNA base-excision repair leads to ovarian aging in mice. <i>Aging</i> , 2020, 12, 25207-25228.	3.1	7
44	Meiotic prophase I defects in an oligospermic man with Wolf-Hirschhorn syndrome with ring chromosome 4. <i>Molecular Cytogenetics</i> , 2014, 7, 45.	0.9	6
45	Seminal Plasma and Seminal Plasma Exosomes of Aged Male Mice Affect Early Embryo Implantation via Immunomodulation. <i>Frontiers in Immunology</i> , 2021, 12, 723409.	4.8	6
46	Non-invasive embryo selection strategy for clinical IVF to avoid wastage of potentially competent embryos. <i>Reproductive BioMedicine Online</i> , 2022, 45, 26-34.	2.4	6
47	Sequential interval micro-droplet loading in closed hemi-straw carrier system: A convenient and efficient method for ultra-rapid cryopreservation in extreme oligozoospermia. <i>Cryobiology</i> , 2020, 93, 75-83.	0.7	5
48	Relationship Between Amyloid Precursor Protein in Seminal Plasma and Abnormal Penile Sympathetic Skin Response in Lifelong Premature Ejaculation. <i>Journal of Sexual Medicine</i> , 2017, 14, 98-105.	0.6	4
49	Relation of size of seminal vesicles on ultrasound to premature ejaculation. <i>Asian Journal of Andrology</i> , 2017, 19, 554.	1.6	4
50	A single-center performance evaluation of the fully automated iFlash anti-M β 1/4llerian hormone immunoassay. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 57, e19-e22.	2.3	4
51	The Diagnostic Role of Neurophysiological Tests for Premature Ejaculation: A Prospective Multicenter Study. <i>Journal of Urology</i> , 2022, 207, 172-182.	0.4	3
52	Backbone and side-chain NMR assignments for the bromodomain of mouse BAZ1A (ACF1). <i>Biomolecular NMR Assignments</i> , 2016, 10, 131-134.	0.8	2
53	Reply to the comment. <i>Gut</i> , 2020, 69, 2259.2-2260.	12.1	2
54	SERPINA5 Protein in Cumulus-Oocyte Complexes Increases the Fertilisation Ability of Mouse Sperm. <i>Reproductive Sciences</i> , 2022, 29, 2350-2362.	2.5	2

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55	MicroRNAs in aging male reproduction. <i>Aging</i> , 2022, 14, 2928-2929.	3.1	1