

Xinru Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103 papers	1,675 citations	21 h-index	35 g-index
110 ext. papers	2,214 ext. citations	6.1 avg, IF	4.44 L-index

#	Paper	IF	Citations
103	Association between ambient particulate matter exposure and semen quality in fertile men.. <i>Environmental Health</i> , 2022 , 21, 16	6	1
102	Prothioconazole induces cell cycle arrest by up-regulation of EIF4EBP1 in extravillous trophoblast cells.. <i>Archives of Toxicology</i> , 2022 , 96, 559	5.8	1
101	Semen quality and sperm DNA methylation in relation to long-term exposure to air pollution in fertile men: A cross-sectional study.. <i>Environmental Pollution</i> , 2022 , 118994	9.3	0
100	Environmental chemical exposure dynamics and machine learning-based prediction of diabetes mellitus. <i>Science of the Total Environment</i> , 2022 , 806, 150674	10.2	4
99	Effects of glufosinate-ammonium on male reproductive health: Focus on epigenome and transcriptome in mouse sperm. <i>Chemosphere</i> , 2022 , 287, 132395	8.4	2
98	Associations between the Maternal Exposome and Metabolome during Pregnancy.. <i>Environmental Health Perspectives</i> , 2022 , 130, 37003	8.4	1
97	A metabolomic study on the effect of prenatal exposure to Benzophenone-3 on spontaneous fetal loss in mice.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 233, 113347	7	0
96	High-fat diet aggravates prenatal low-dose DEHP exposure induced spermatogenesis disorder: Characterization of testicular metabolic patterns in mouse offspring.. <i>Chemosphere</i> , 2022 , 134296	8.4	1
95	Association between per- and polyfluoroalkyl substances and risk of gestational diabetes mellitus.. <i>International Journal of Hygiene and Environmental Health</i> , 2021 , 240, 113904	6.9	0
94	Association between maternal diabetes mellitus and allergic diseases in children - A systematic review and meta-analysis. <i>Pediatric Allergy and Immunology</i> , 2021 , 32, 880-891	4.2	2
93	Exploration of the developmental toxicity of TCS and PFOS to zebrafish embryos by whole-genome gene expression analyses. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 56032-56042	5.1	0
92	Association between mercury exposure and thyroid hormones levels: A meta-analysis. <i>Environmental Research</i> , 2021 , 196, 110928	7.9	1
91	Enhancer RNA Inc-CES1-1 inhibits decidual cell migration by interacting with RNA-binding protein FUS and activating PPAR α in URPL. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 24, 104-112	10.7	4
90	Human X chromosome exome sequencing identifies as contributor to spermatogenesis. <i>Journal of Medical Genetics</i> , 2021 , 58, 56-65	5.8	4
89	Association between selected urinary heavy metals and asthma in adults: a retrospective cross-sectional study of the US National Health and Nutrition Examination Survey. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 5833-5844	5.1	1
88	Multiple Omics Analysis reveals the role of prostaglandin E2 in Hirschsprung's disease. <i>Free Radical Biology and Medicine</i> , 2021 , 164, 390-398	7.8	1
87	Exploratory analysis of the associations between urinary phytoestrogens and thyroid hormones among adolescents and adults in the United States: National Health and Nutrition Examination Survey 2007-2010. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0

86	Perfluorooctane sulfonate interferes with non-genomic estrogen receptor signaling pathway, inhibits ERK1/2 activation and induces apoptosis in mouse spermatocyte-derived cells. <i>Toxicology</i> , 2021 , 460, 152871	4.4	0
85	Effects of 2,2,4,4-tetrabromodiphenyl ether on the development of mouse embryonic stem cells. <i>Reproductive Toxicology</i> , 2021 , 106, 18-24	3.4	
84	Effects of particulate matter exposure on semen quality: A retrospective cohort study. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 193, 110319	7	15
83	Metabolomics Reveals that Cysteine Metabolism Plays a Role in Celastrol-Induced Mitochondrial Apoptosis in HL-60 and NB-4 Cells. <i>Scientific Reports</i> , 2020 , 10, 471	4.9	3
82	Prenatal exposure to glufosinate ammonium disturbs gut microbiome and induces behavioral abnormalities in mice. <i>Journal of Hazardous Materials</i> , 2020 , 389, 122152	12.8	11
81	Hypomethylation of PRDM1 is associated with recurrent pregnancy loss. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 7072-7077	5.6	5
80	Effects of Microbiota on the Treatment of Obesity with the Natural Product Celastrol in Rats. <i>Diabetes and Metabolism Journal</i> , 2020 , 44, 747-763	5	8
79	Prenatal low-dose DEHP exposure induces metabolic adaptation and obesity: Role of hepatic thiamine metabolism. <i>Journal of Hazardous Materials</i> , 2020 , 385, 121534	12.8	21
78	A metabolomic study on the gender-dependent effects of maternal exposure to fenvalerate on neurodevelopment in offspring mice. <i>Science of the Total Environment</i> , 2020 , 707, 136130	10.2	4
77	Developmental toxicity of disinfection by-product monohaloacetamides in embryo-larval stage of zebrafish. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 189, 110037	7	18
76	Metabolic alterations associated with polycystic ovary syndrome: A UPLC Q-Exactive based metabolomic study. <i>Clinica Chimica Acta</i> , 2020 , 502, 280-286	6.2	12
75	Metabolomics study and meta-analysis on the association between maternal pesticide exposome and birth outcomes. <i>Environmental Research</i> , 2020 , 182, 109087	7.9	14
74	Association between phenols exposure and earlier puberty in children: A systematic review and meta-analysis. <i>Environmental Research</i> , 2020 , 190, 110056	7.9	0
73	Serum albumin mediates the effect of multiple per- and polyfluoroalkyl substances on serum lipid levels. <i>Environmental Pollution</i> , 2020 , 266, 115138	9.3	12
72	Effect of endometrial thickness and embryo quality on live-birth rate of fresh IVF/ICSI cycles: a retrospective cohort study. <i>Reproductive Biology and Endocrinology</i> , 2020 , 18, 89	5	7
71	Association of semenogelin (SEMG) gene variants in idiopathic male infertility in Chinese-Han population. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2019 , 82, 928-934	3.2	6
70	Developmental toxicity of triclocarban in zebrafish (<i>Danio rerio</i>) embryos. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019 , 33, e22289	3.4	11
69	Metabolomics reveals the role of acetyl-L-carnitine metabolism in FeO NP-induced embryonic development toxicity via mitochondria damage. <i>Nanotoxicology</i> , 2019 , 13, 204-220	5.3	12

68	Adenomatous polyposis coli as a predictor of environmental chemical-induced transgenerational effects related to male infertility. <i>Journal of Biochemical and Molecular Toxicology</i> , 2019 , 33, e22331	3.4	1
67	Different cytotoxicity of disinfection by-product haloacetamides on two exposure pathway-related cell lines: Human gastric epithelial cell line GES-1 and immortalized human keratinocyte cell line HaCaT. <i>Science of the Total Environment</i> , 2019 , 692, 1267-1275	10.2	4
66	Metabolomic profiling identifies novel biomarkers and mechanisms in human bladder cancer treated with submucosal injection of gemcitabine. <i>International Journal of Molecular Medicine</i> , 2019 , 44, 1952-1962	4.4	2
65	Semen quality and cigarette smoking in a cohort of healthy fertile men. <i>Environmental Epidemiology</i> , 2019 , 3, e055	0.2	9
64	Association between exposure to a mixture of phenols, pesticides, and phthalates and obesity: Comparison of three statistical models. <i>Environment International</i> , 2019 , 123, 325-336	12.9	110
63	Neonatal and juvenile exposure to perfluorooctanoate (PFOA) and perfluorooctane sulfonate (PFOS): Advance puberty onset and kisspeptin system disturbance in female rats. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 167, 412-421	7	21
62	Maternal pentachlorophenol exposure induces developmental toxicity mediated by autophagy on pregnancy mice. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 169, 829-836	7	14
61	Down-regulated let-7b-5p represses glycolysis metabolism by targeting AURKB in asthenozoospermia. <i>Gene</i> , 2018 , 663, 83-87	3.8	21
60	The association between cooking oil fume exposure during pregnancy and birth weight: A prospective mother-child cohort study. <i>Science of the Total Environment</i> , 2018 , 612, 822-830	10.2	8
59	Change in circulating microRNA profile of obese children indicates future risk of adult diabetes. <i>Metabolism: Clinical and Experimental</i> , 2018 , 78, 95-105	12.7	74
58	Association between Serum Vitamin Levels and Depression in U.S. Adults 20 Years or Older Based on National Health and Nutrition Examination Survey 2005?2006. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	9
57	Meta-analysis on the effectiveness of team-based learning on medical education in China. <i>BMC Medical Education</i> , 2018 , 18, 77	3.3	35
56	Integrated analysis of DNA methylome and transcriptome identified CREB5 as a novel risk gene contributing to recurrent pregnancy loss. <i>EBioMedicine</i> , 2018 , 35, 334-344	8.8	21
55	LncRNAs KB-1836B5, LINC00566 and FAM27L are associated with the survival time of patients with ovarian cancer. <i>Oncology Letters</i> , 2018 , 16, 3735-3745	2.6	4
54	The enhancer RNA lnc-SLC4A1-1 epigenetically regulates unexplained recurrent pregnancy loss (URPL) by activating CXCL8 and NF-kB pathway. <i>EBioMedicine</i> , 2018 , 38, 162-170	8.8	52
53	Transcriptome and DNA Methylome Dynamics during Triclosan-Induced Cardiomyocyte Differentiation Toxicity. <i>Stem Cells International</i> , 2018 , 2018, 8608327	5	5
52	Elevated microRNA-141-3p in placenta of non-diabetic macrosomia regulate trophoblast proliferation. <i>EBioMedicine</i> , 2018 , 38, 154-161	8.8	6
51	Metabolomics Reveals Metabolic Changes Caused by Low-Dose 4-Tert-Octylphenol in Mice Liver. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	10

50	Human mitochondrial DNA haplogroup M8a influences the penetrance of m.8684C>T in Han Chinese men with non-obstructive azoospermia. <i>Reproductive BioMedicine Online</i> , 2018 , 37, 480-488	4	1
49	Idiopathic male infertility is strongly associated with aberrant DNA methylation of imprinted loci in sperm: a case-control study. <i>Clinical Epigenetics</i> , 2018 , 10, 134	7.7	31
48	IGF2-derived miR-483-3p contributes to macrosomia through regulating trophoblast proliferation by targeting RB1CC1. <i>Molecular Human Reproduction</i> , 2018 , 24, 444-452	4.4	9
47	Exome-Wide Association Study Identified New Risk Loci for Hirschsprung Disease. <i>Molecular Neurobiology</i> , 2017 , 54, 1777-1785	6.2	7
46	Associations between urinary polycyclic aromatic hydrocarbon metabolites and serum testosterone in U.S. adult males: National Health and nutrition examination survey 2011-2012. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 7607-7616	5.1	8
45	Current pesticide profiles in blood serum of adults in Jiangsu Province of China and a comparison with other countries. <i>Environment International</i> , 2017 , 102, 213-222	12.9	25
44	Obesity aggravates toxic effect of BPA on spermatogenesis. <i>Environment International</i> , 2017 , 105, 56-65	12.9	24
43	Seminal plasma metabolomics approach for the diagnosis of unexplained male infertility. <i>PLoS ONE</i> , 2017 , 12, e0181115	3.7	36
42	Idiopathic male infertility and polymorphisms in the DNA methyltransferase genes involved in epigenetic marking. <i>Scientific Reports</i> , 2017 , 7, 11219	4.9	11
41	Interaction between Y chromosome haplogroup O3 and 4-n-octylphenol exposure reduces the susceptibility to spermatogenic impairment in Han Chinese. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 144, 450-455	7	2
40	The impact of BMI on sperm parameters and the metabolite changes of seminal plasma concomitantly. <i>Oncotarget</i> , 2017 , 8, 48619-48634	3.3	37
39	Association of the VDAC3 gene polymorphism with sperm count in Han-Chinese population with idiopathic male infertility. <i>Oncotarget</i> , 2017 , 8, 45242-45248	3.3	12
38	Genistein up-regulates miR-20a to disrupt spermatogenesis via targeting Limk1. <i>Oncotarget</i> , 2017 , 8, 58728-58737	3.3	5
37	Mitochondrial DNA sequencing and large-scale genotyping identifies gene mutation m.11696G>A associated with idiopathic oligoasthenospermia. <i>Oncotarget</i> , 2017 , 8, 52975-52982	3.3	7
36	Graphene oxide quantum dots disrupt autophagic flux by inhibiting lysosome activity in GC-2 and TM4 cell lines. <i>Toxicology</i> , 2016 , 374, 10-17	4.4	42
35	Y chromosome haplogroups based genome-wide association study pinpoints revelation for interactions on non-obstructive azoospermia. <i>Scientific Reports</i> , 2016 , 6, 33363	4.9	6
34	Common SNP in hsa-miR-196a-2 increases hsa-miR-196a-5p expression and predisposes to idiopathic male infertility in Chinese Han population. <i>Scientific Reports</i> , 2016 , 6, 19825	4.9	9
33	Determination of twenty organophosphorus pesticides in blood serum by gas chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2016 , 8, 4487-4496	3.2	16

32	Gene-gene and gene-environment interactions on risk of male infertility: Focus on the metabolites. <i>Environment International</i> , 2016 , 91, 188-95	12.9	15
31	Developmental Neurotoxicity of Methamidophos in the Embryo-Larval Stages of Zebrafish. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 14,	4.6	15
30	MaxReport: An Enhanced Proteomic Result Reporting Tool for MaxQuant. <i>PLoS ONE</i> , 2016 , 11, e0152063.	3.7	7
29	Copy number gain of VCX, X-linked multi-copy gene, leads to cell proliferation and apoptosis during spermatogenesis. <i>Oncotarget</i> , 2016 , 7, 78532-78540	3.3	8
28	Genetic variants in PTPRD and risk of gestational diabetes mellitus. <i>Oncotarget</i> , 2016 , 7, 76101-76107	3.3	9
27	X chromosome-wide identification of SNVs in microRNA genes and non-obstructive azoospermia risk in Han Chinese population. <i>Oncotarget</i> , 2016 , 7, 49122-49129	3.3	6
26	Effects of Gold Nanorods on Imprinted Genes Expression in TM-4 Sertoli Cells. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	2
25	Causes of endocrine disrupting potencies in surface water in East China. <i>Chemosphere</i> , 2016 , 144, 1435-44	4.2	21
24	Association analysis between the polymorphisms of HSD17B5 and HSD17B6 and risk of polycystic ovary syndrome in Chinese population. <i>European Journal of Endocrinology</i> , 2015 , 172, 227-33	6.5	16
23	A genome-wide association study of mitochondrial DNA in Chinese men identifies two risk single nucleotide substitutions for idiopathic oligoasthenospermia. <i>Mitochondrion</i> , 2015 , 24, 87-92	4.9	6
22	2,2',4,4'-Tetrabromodiphenyl ether disrupts spermatogenesis, impairs mitochondrial function and induces apoptosis of early leptotene spermatocytes in rats. <i>Reproductive Toxicology</i> , 2015 , 51, 114-24	3.4	18
21	Association analysis identifies new risk loci for congenital heart disease in Chinese populations. <i>Nature Communications</i> , 2015 , 6, 8082	17.4	19
20	Prenatal lignan exposures, pregnancy urine estrogen profiles and birth outcomes. <i>Environmental Pollution</i> , 2015 , 205, 261-8	9.3	12
19	Beyond single modification: Reanalysis of the acetylproteome of human sperm reveals widespread multiple modifications. <i>Journal of Proteomics</i> , 2015 , 126, 296-302	3.9	11
18	The effects of triclosan on pluripotency factors and development of mouse embryonic stem cells and zebrafish. <i>Archives of Toxicology</i> , 2015 , 89, 635-46	5.8	25
17	Mitochondria-related miR-151a-5p reduces cellular ATP production by targeting CYTB in asthenozoospermia. <i>Scientific Reports</i> , 2015 , 5, 17743	4.9	35
16	Mitochondria-related miR-141-3p contributes to mitochondrial dysfunction in HFD-induced obesity by inhibiting PTEN. <i>Scientific Reports</i> , 2015 , 5, 16262	4.9	39
15	The role, mechanism and potentially novel biomarker of microRNA-17-92 cluster in macrosomia. <i>Scientific Reports</i> , 2015 , 5, 17212	4.9	19

14	SLIT2/ROBO1-miR-218-1-RET/PLAG1: a new disease pathway involved in Hirschsprung's disease. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1197-207	5.6	34
13	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, 5628-36	5.6	10
12	Association Analysis between the Polymorphisms of HSD11B1 and H6PD and Risk of Polycystic Ovary Syndrome in Chinese Population. <i>PLoS ONE</i> , 2015 , 10, e0140326	3.7	4
11	Pyrethroid and their metabolite, 3-phenoxybenzoic acid showed similar (anti)estrogenic activity in human and rat estrogen receptor mediated reporter gene assays. <i>Environmental Toxicology and Pharmacology</i> , 2014 , 37, 371-7	5.8	38
10	Association analysis identifies new risk loci for non-obstructive azoospermia in Chinese men. <i>Nature Communications</i> , 2014 , 5, 3857	17.4	50
9	Gene copy number alterations in the azoospermia-associated AZFc region and their effect on spermatogenic impairment. <i>Molecular Human Reproduction</i> , 2014 , 20, 836-43	4.4	19
8	Association between DAZL polymorphisms and susceptibility to male infertility: systematic review with meta-analysis and trial sequential analysis. <i>Scientific Reports</i> , 2014 , 4, 4642	4.9	24
7	MiR-135a functions as a tumor suppressor in epithelial ovarian cancer and regulates HOXA10 expression. <i>Cellular Signalling</i> , 2014 , 26, 1420-6	4.9	59
6	Estrogen receptors are involved in polychlorinated biphenyl-induced apoptosis on mouse spermatocyte GC-2 cell line. <i>Toxicology in Vitro</i> , 2014 , 28, 373-80	3.6	15
5	IRE1 α s essential for <i>Xenopus</i> pancreas development. <i>Journal of Biomedical Research</i> , 2014 , 28, 123-31	1.5	5
4	IRE1 α knockdown rescues tunicamycin-induced developmental defects and apoptosis in <i>Xenopus laevis</i> . <i>Journal of Biomedical Research</i> , 2014 , 28, 275-81	1.5	
3	The association of Y chromosome haplogroups with spermatogenic failure in the Han Chinese. <i>Journal of Human Genetics</i> , 2007 , 52, 659-663	4.3	11
2	JWA, a novel microtubule-associated protein, regulates homeostasis of intracellular amino acids in PC12 cells. <i>Science Bulletin</i> , 2003 , 48, 1828-1834		11
1	Polymorphisms of the DNA repair gene XRCC1 and risk of gastric cancer in a Chinese population. <i>International Journal of Cancer</i> , 2000 , 88, 601-6	7.5	153