# Xinru Wang

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 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 | Polymorphisms of the DNA repair gene XRCC1 and risk of gastric cancer in a Chinese population. *International Journal of Cancer*, **2000**, 88, 601-6 | 7.5 | 153 |
| 102 | Association between exposure to a mixture of phenols, pesticides, and phthalates and obesity: Comparison of three statistical models. *Environment International*, **2019**, 123, 325-336 | 12.9 | 110 |
| 101 | Change in circulating microRNA profile of obese children indicates future risk of adult diabetes. *Metabolism: Clinical and Experimental*, **2018**, 78, 95-105 | 12.7 | 74 |
| 100 | MiR-135a functions as a tumor suppressor in epithelial ovarian cancer and regulates HOXA10 expression. *Cellular Signalling*, **2014**, 26, 1420-6 | 4.9 | 59 |
| 99 | The enhancer RNA lnc-SLC4A1-1 epigenetically regulates unexplained recurrent pregnancy loss (URPL) by activating CXCL8 and NF-kB pathway. *EBioMedicine*, **2018**, 38, 162-170 | 8.8 | 52 |
| 98 | Association analysis identifies new risk loci for non-obstructive azoospermia in Chinese men. *Nature Communications*, **2014**, 5, 3857 | 17.4 | 50 |
| 97 | Graphene oxide quantum dots disrupt autophagic flux by inhibiting lysosome activity in GC-2 and TM4 cell lines. *Toxicology*, **2016**, 374, 10-17 | 4.4 | 42 |
| 96 | Mitochondria-related miR-141-3p contributes to mitochondrial dysfunction in HFD-induced obesity by inhibiting PTEN. *Scientific Reports*, **2015**, 5, 16262 | 4.9 | 39 |
| 95 | Pyrethroid and their metabolite, 3-phenoxybenzoic acid showed similar (anti)estrogenic activity in human and rat estrogen receptor □mediated reporter gene assays. *Environmental Toxicology and Pharmacology*, **2014**, 37, 371-7 | 5.8 | 38 |
| 94 | The impact of BMI on sperm parameters and the metabolite changes of seminal plasma concomitantly. *Oncotarget*, **2017**, 8, 48619-48634 | 3.3 | 37 |
| 93 | Seminal plasma metabolomics approach for the diagnosis of unexplained male infertility. *PLoS ONE* , **2017**, 12, e0181115 | 3.7 | 36 |
| 92 | Mitochondria-related miR-151a-5p reduces cellular ATP production by targeting CYTB in asthenozoospermia. *Scientific Reports*, **2015**, 5, 17743 | 4.9 | 35 |
| 91 | Meta-analysis on the effectiveness of team-based learning on medical education in China. *BMC Medical Education*, **2018**, 18, 77 | 3.3 | 35 |
| 90 | SLIT2/ROBO1-miR-218-1-RET/PLAG1: a new disease pathway involved in Hirschsprung□s disease. *Journal of Cellular and Molecular Medicine*, **2015**, 19, 1197-207 | 5.6 | 34 |
| 89 | Idiopathic male infertility is strongly associated with aberrant DNA methylation of imprinted loci in sperm: a case-control study. *Clinical Epigenetics*, **2018**, 10, 134 | 7.7 | 31 |
| 88 | Current pesticide profiles in blood serum of adults in Jiangsu Province of China and a comparison with other countries. *Environment International*, **2017**, 102, 213-222 | 12.9 | 25 |
| 87 | The effects of triclosan on pluripotency factors and development of mouse embryonic stem cells and zebrafish. *Archives of Toxicology*, **2015**, 89, 635-46 | 5.8 | 25 |

| | | | |
|---|---|---|---|
| 86 | Obesity aggravates toxic effect of BPA on spermatogenesis. *Environment International*, **2017**, 105, 56-65 | 12.9 | 24 |
| 85 | Association between DAZL polymorphisms and susceptibility to male infertility: systematic review with meta-analysis and trial sequential analysis. *Scientific Reports*, **2014**, 4, 4642 | 4.9 | 24 |
| 84 | Down-regulated let-7b-5p represses glycolysis metabolism by targeting AURKB in asthenozoospermia. *Gene*, **2018**, 663, 83-87 | 3.8 | 21 |
| 83 | Integrated analysis of DNA methylome and transcriptome identified CREB5 as a novel risk gene contributing to recurrent pregnancy loss. *EBioMedicine*, **2018**, 35, 334-344 | 8.8 | 21 |
| 82 | Prenatal low-dose DEHP exposure induces metabolic adaptation and obesity: Role of hepatic thiamine metabolism. *Journal of Hazardous Materials*, **2020**, 385, 121534 | 12.8 | 21 |
| 81 | Causes of endocrine disrupting potencies in surface water in East China. *Chemosphere*, **2016**, 144, 1435-42 | 4 | 21 |
| 80 | Neonatal and juvenile exposure to perfluorooctanoate (PFOA) and perfluorooctane sulfonate (PFOS): Advance puberty onset and kisspeptin system disturbance in female rats. *Ecotoxicology and Environmental Safety*, **2019**, 167, 412-421 | 7 | 21 |
| 79 | Association analysis identifies new risk loci for congenital heart disease in Chinese populations. *Nature Communications*, **2015**, 6, 8082 | 17.4 | 19 |
| 78 | Gene copy number alterations in the azoospermia-associated AZFc region and their effect on spermatogenic impairment. *Molecular Human Reproduction*, **2014**, 20, 836-43 | 4.4 | 19 |
| 77 | The role, mechanism and potentially novel biomarker of microRNA-17-92 cluster in macrosomia. *Scientific Reports*, **2015**, 5, 17212 | 4.9 | 19 |
| 76 | 2,2′,4,4′-Tetrabromodiphenyl ether disrupts spermatogenesis, impairs mitochondrial function and induces apoptosis of early leptotene spermatocytes in rats. *Reproductive Toxicology*, **2015**, 51, 114-24 | 3.4 | 18 |
| 75 | Developmental toxicity of disinfection by-product monohaloacetamides in embryo-larval stage of zebrafish. *Ecotoxicology and Environmental Safety*, **2020**, 189, 110037 | 7 | 18 |
| 74 | Association analysis between the polymorphisms of HSD17B5 and HSD17B6 and risk of polycystic ovary syndrome in Chinese population. *European Journal of Endocrinology*, **2015**, 172, 227-33 | 6.5 | 16 |
| 73 | Determination of twenty organophosphorus pesticides in blood serum by gas chromatography-tandem mass spectrometry. *Analytical Methods*, **2016**, 8, 4487-4496 | 3.2 | 16 |
| 72 | Effects of particulate matter exposure on semen quality: A retrospective cohort study. *Ecotoxicology and Environmental Safety*, **2020**, 193, 110319 | 7 | 15 |
| 71 | Gene-gene and gene-environment interactions on risk of male infertility: Focus on the metabolites. *Environment International*, **2016**, 91, 188-95 | 12.9 | 15 |
| 70 | Developmental Neurotoxicity of Methamidophos in the Embryo-Larval Stages of Zebrafish. *International Journal of Environmental Research and Public Health*, **2016**, 14, | 4.6 | 15 |
| 69 | Estrogen receptors are involved in polychlorinated biphenyl-induced apoptosis on mouse spermatocyte GC-2 cell line. *Toxicology in Vitro*, **2014**, 28, 373-80 | 3.6 | 15 |

| | | | |
|---|---|---|---|
| 68 | Metabolomics study and meta-analysis on the association between maternal pesticide exposome and birth outcomes. *Environmental Research*, **2020**, 182, 109087 | 7.9 | 14 |
| 67 | Maternal pentachlorophenol exposure induces developmental toxicity mediated by autophagy on pregnancy mice. *Ecotoxicology and Environmental Safety*, **2019**, 169, 829-836 | 7 | 14 |
| 66 | Metabolomics reveals the role of acetyl-l-carnitine metabolism in □FeO NP-induced embryonic development toxicity via mitochondria damage. *Nanotoxicology*, **2019**, 13, 204-220 | 5.3 | 12 |
| 65 | Prenatal lignan exposures, pregnancy urine estrogen profiles and birth outcomes. *Environmental Pollution*, **2015**, 205, 261-8 | 9.3 | 12 |
| 64 | Association of the VDAC3 gene polymorphism with sperm count in Han-Chinese population with idiopathic male infertility. *Oncotarget*, **2017**, 8, 45242-45248 | 3.3 | 12 |
| 63 | Metabolic alterations associated with polycystic ovary syndrome: A UPLC Q-Exactive based metabolomic study. *Clinica Chimica Acta*, **2020**, 502, 280-286 | 6.2 | 12 |
| 62 | Serum albumin mediates the effect of multiple per- and polyfluoroalkyl substances on serum lipid levels. *Environmental Pollution*, **2020**, 266, 115138 | 9.3 | 12 |
| 61 | Developmental toxicity of triclocarban in zebrafish (Danio rerio) embryos. *Journal of Biochemical and Molecular Toxicology*, **2019**, 33, e22289 | 3.4 | 11 |
| 60 | Beyond single modification: Reanalysis of the acetylproteome of human sperm reveals widespread multiple modifications. *Journal of Proteomics*, **2015**, 126, 296-302 | 3.9 | 11 |
| 59 | Prenatal exposure to glufosinate ammonium disturbs gut microbiome and induces behavioral abnormalities in mice. *Journal of Hazardous Materials*, **2020**, 389, 122152 | 12.8 | 11 |
| 58 | Idiopathic male infertility and polymorphisms in the DNA methyltransferase genes involved in epigenetic marking. *Scientific Reports*, **2017**, 7, 11219 | 4.9 | 11 |
| 57 | The association of Y chromosome haplogroups with spermatogenic failure in the Han Chinese. *Journal of Human Genetics*, **2007**, 52, 659-663 | 4.3 | 11 |
| 56 | JWA, a novel microtubule-associated protein, regulates homeostasis of intracellular amino acids in PC12 cells. *Science Bulletin*, **2003**, 48, 1828-1834 | | 11 |
| 55 | Low-frequency germline variants across 6p22.2-6p21.33 are associated with non-obstructive azoospermia in Han Chinese men. *Human Molecular Genetics*, **2015**, 24, 5628-36 | 5.6 | 10 |
| 54 | Metabolomics Reveals Metabolic Changes Caused by Low-Dose 4-Tert-Octylphenol in Mice Liver. *International Journal of Environmental Research and Public Health*, **2018**, 15, | 4.6 | 10 |
| 53 | Common SNP in hsa-miR-196a-2 increases hsa-miR-196a-5p expression and predisposes to idiopathic male infertility in Chinese Han population. *Scientific Reports*, **2016**, 6, 19825 | 4.9 | 9 |
| 52 | 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. *International Journal of Environmental Research and Public Health*, **2018**, 15, | 4.6 | 9 |
| 51 | Genetic variants in PTPRD and risk of gestational diabetes mellitus. *Oncotarget*, **2016**, 7, 76101-76107 | 3.3 | 9 |

| | | | |
|---|---|---|---|
| 50 | Semen quality and cigarette smoking in a cohort of healthy fertile men. *Environmental Epidemiology*, **2019**, 3, e055 | 0.2 | 9 |
| 49 | IGF2-derived miR-483-3p contributes to macrosomia through regulating trophoblast proliferation by targeting RB1CC1. *Molecular Human Reproduction*, **2018**, 24, 444-452 | 4.4 | 9 |
| 48 | Associations between urinary polycyclic aromatic hydrocarbon metabolites and serum testosterone in U.S. adult males: National Health and nutrition examination survey 2011-2012. *Environmental Science and Pollution Research*, **2017**, 24, 7607-7616 | 5.1 | 8 |
| 47 | The association between cooking oil fume exposure during pregnancy and birth weight: A prospective mother-child cohort study. *Science of the Total Environment*, **2018**, 612, 822-830 | 10.2 | 8 |
| 46 | Copy number gain of VCX, X-linked multi-copy gene, leads to cell proliferation and apoptosis during spermatogenesis. *Oncotarget*, **2016**, 7, 78532-78540 | 3.3 | 8 |
| 45 | Effects of Microbiota on the Treatment of Obesity with the Natural Product Celastrol in Rats. *Diabetes and Metabolism Journal*, **2020**, 44, 747-763 | 5 | 8 |
| 44 | Exome-Wide Association Study Identified New Risk Loci for Hirschsprung Disease. *Molecular Neurobiology*, **2017**, 54, 1777-1785 | 6.2 | 7 |
| 43 | MaxReport: An Enhanced Proteomic Result Reporting Tool for MaxQuant. *PLoS ONE*, **2016**, 11, e0152067 | 3.7 | 7 |
| 42 | Mitochondrial DNA sequencing and large-scale genotyping identifies gene mutation m.11696G>A associated with idiopathic oligoasthenospermia. *Oncotarget*, **2017**, 8, 52975-52982 | 3.3 | 7 |
| 41 | Effect of endometrial thickness and embryo quality on live-birth rate of fresh IVF/ICSI cycles: a retrospective cohort study. *Reproductive Biology and Endocrinology*, **2020**, 18, 89 | 5 | 7 |
| 40 | Association of semenogelin (SEMG) gene variants in idiopathic male infertility in Chinese-Han population. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2019**, 82, 928-934 | 3.2 | 6 |
| 39 | A genome-wide association study of mitochondrial DNA in Chinese men identifies two risk single nucleotide substitutions for idiopathic oligoasthenospermia. *Mitochondrion*, **2015**, 24, 87-92 | 4.9 | 6 |
| 38 | Y chromosome haplogroups based genome-wide association study pinpoints revelation for interactions on non-obstructive azoospermia. *Scientific Reports*, **2016**, 6, 33363 | 4.9 | 6 |
| 37 | X chromosome-wide identification of SNVs in microRNA genes and non-obstructive azoospermia risk in Han Chinese population. *Oncotarget*, **2016**, 7, 49122-49129 | 3.3 | 6 |
| 36 | Elevated microRNA-141-3p in placenta of non-diabetic macrosomia regulate trophoblast proliferation. *EBioMedicine*, **2018**, 38, 154-161 | 8.8 | 6 |
| 35 | Hypomethylation of PRDM1 is associated with recurrent pregnancy loss. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 7072-7077 | 5.6 | 5 |
| 34 | Genistein up-regulates miR-20a to disrupt spermatogenesis via targeting Limk1. *Oncotarget*, **2017**, 8, 58728-58737 | 3.3 | 5 |
| 33 | IRE1 is essential for Xenopus pancreas development. *Journal of Biomedical Research*, **2014**, 28, 123-31 | 1.5 | 5 |

| | | | |
|---|---|---|---|
| 32 | Transcriptome and DNA Methylome Dynamics during Triclosan-Induced Cardiomyocyte Differentiation Toxicity. *Stem Cells International*, **2018**, 2018, 8608327 | 5 | 5 |
| 31 | LncRNAs KB-1836B5, LINC00566 and FAM27L are associated with the survival time of patients with ovarian cancer. *Oncology Letters*, **2018**, 16, 3735-3745 | 2.6 | 4 |
| 30 | 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. *Science of the Total Environment*, **2019**, 692, 1267-1275 | 10.2 | 4 |
| 29 | Association Analysis between the Polymorphisms of HSD11B1 and H6PD and Risk of Polycystic Ovary Syndrome in Chinese Population. *PLoS ONE*, **2015**, 10, e0140326 | 3.7 | 4 |
| 28 | A metabolomic study on the gender-dependent effects of maternal exposure to fenvalerate on neurodevelopment in offspring mice. *Science of the Total Environment*, **2020**, 707, 136130 | 10.2 | 4 |
| 27 | Enhancer RNA lnc-CES1-1 inhibits decidual cell migration by interacting with RNA-binding protein FUS and activating PPARγ in URPL. *Molecular Therapy - Nucleic Acids*, **2021**, 24, 104-112 | 10.7 | 4 |
| 26 | Human X chromosome exome sequencing identifies as contributor to spermatogenesis. *Journal of Medical Genetics*, **2021**, 58, 56-65 | 5.8 | 4 |
| 25 | Environmental chemical exposure dynamics and machine learning-based prediction of diabetes mellitus. *Science of the Total Environment*, **2022**, 806, 150674 | 10.2 | 4 |
| 24 | Metabolomics Reveals that Cysteine Metabolism Plays a Role in Celastrol-Induced Mitochondrial Apoptosis in HL-60 and NB-4 Cells. *Scientific Reports*, **2020**, 10, 471 | 4.9 | 3 |
| 23 | Interaction between Y chromosome haplogroup O3 and 4-n-octylphenol exposure reduces the susceptibility to spermatogenic impairment in Han Chinese. *Ecotoxicology and Environmental Safety* , **2017**, 144, 450-455 | 7 | 2 |
| 22 | Association between maternal diabetes mellitus and allergic diseases in children - A systematic review and meta-analysis. *Pediatric Allergy and Immunology*, **2021**, 32, 880-891 | 4.2 | 2 |
| 21 | Effects of Gold Nanorods on Imprinted Genes Expression in TM-4 Sertoli Cells. *International Journal of Environmental Research and Public Health*, **2016**, 13, | 4.6 | 2 |
| 20 | Metabolomic profiling identifies novel biomarkers and mechanisms in human bladder cancer treated with submucosal injection of gemcitabine. *International Journal of Molecular Medicine*, **2019** , 44, 1952-1962 | 4.4 | 2 |
| 19 | Effects of glufosinate-ammonium on male reproductive health: Focus on epigenome and transcriptome in mouse sperm. *Chemosphere*, **2022**, 287, 132395 | 8.4 | 2 |
| 18 | Adenomatous polyposis coli as a predictor of environmental chemical-induced transgenerational effects related to male infertility. *Journal of Biochemical and Molecular Toxicology*, **2019**, 33, e22331 | 3.4 | 1 |
| 17 | Association between ambient particulate matter exposure and semen quality in fertile men.. *Environmental Health*, **2022**, 21, 16 | 6 | 1 |
| 16 | Prothioconazole induces cell cycle arrest by up-regulation of EIF4EBP1 in extravillous trophoblast cells.. *Archives of Toxicology*, **2022**, 96, 559 | 5.8 | 1 |
| 15 | Association between mercury exposure and thyroid hormones levels: A meta-analysis. *Environmental Research*, **2021**, 196, 110928 | 7.9 | 1 |

| | | | |
|---|---|---|---|
| 14 | Association between selected urinary heavy metals and asthma in adults: a retrospective cross-sectional study of the US National Health and Nutrition Examination Survey. *Environmental Science and Pollution Research*, **2021**, 28, 5833-5844 | 5.1 | 1 |
| 13 | Multiple Romics analysis reveals the role of prostaglandin E2 in Hirschsprung's disease. *Free Radical Biology and Medicine*, **2021**, 164, 390-398 | 7.8 | 1 |
| 12 | Human mitochondrial DNA haplogroup M8a influences the penetrance of m.8684C>T in Han Chinese men with non-obstructive azoospermia. *Reproductive BioMedicine Online*, **2018**, 37, 480-488 | 4 | 1 |
| 11 | Associations between the Maternal Exposome and Metabolome during Pregnancy.. *Environmental Health Perspectives*, **2022**, 130, 37003 | 8.4 | 1 |
| 10 | High-fat diet aggravates prenatal low-dose DEHP exposure induced spermatogenesis disorder: Characterization of testicular metabolic patterns in mouse offspring.. *Chemosphere*, **2022**, 134296 | 8.4 | 1 |
| 9 | Semen quality and sperm DNA methylation in relation to long-term exposure to air pollution in fertile men: A cross-sectional study.. *Environmental Pollution*, **2022**, 118994 | 9.3 | 0 |
| 8 | Association between per- and polyfluoroalkyl substances and risk of gestational diabetes mellitus.. *International Journal of Hygiene and Environmental Health*, **2021**, 240, 113904 | 6.9 | 0 |
| 7 | Association between phenols exposure and earlier puberty in children: A systematic review and meta-analysis. *Environmental Research*, **2020**, 190, 110056 | 7.9 | 0 |
| 6 | Exploration of the developmental toxicity of TCS and PFOS to zebrafish embryos by whole-genome gene expression analyses. *Environmental Science and Pollution Research*, **2021**, 28, 56032-56042 | 5.1 | 0 |
| 5 | 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. *Environmental Science and Pollution Research*, **2021**, 1 | 5.1 | 0 |
| 4 | Perfluorooctane sulfonate interferes with non-genomic estrogen receptor signaling pathway, inhibits ERK1/2 activation and induces apoptosis in mouse spermatocyte-derived cells. *Toxicology*, **2021**, 460, 152871 | 4.4 | 0 |
| 3 | A metabolomic study on the effect of prenatal exposure to Benzophenone-3 on spontaneous fetal loss in mice.. *Ecotoxicology and Environmental Safety*, **2022**, 233, 113347 | 7 | 0 |
| 2 | IRE1 knockdown rescues tunicamycin-induced developmental defects and apoptosis in Xenopus laevis. *Journal of Biomedical Research*, **2014**, 28, 275-81 | 1.5 | |
| 1 | Effects of 2,2',4,4'-tetrabromodiphenyl ether on the development of mouse embryonic stem cells. *Reproductive Toxicology*, **2021**, 106, 18-24 | 3.4 | |