Minjian Chen

List of Publications by Year in Descending Order

80 papers	1,311 citations	22 h-index	31 g-index
83 ext. papers	1,713 ext. citations	6.5 avg, IF	4.33 L-index

#	Paper	IF	Citations
80	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
79	Associations between the Maternal Exposome and Metabolome during Pregnancy.. *Environmental Health Perspectives*, **2022**, 130, 37003	8.4	1
78	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
77	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
76	Studies on Novel Diagnostic and Predictive Biomarkers of Intrahepatic Cholestasis of Pregnancy Through Metabolomics and Proteomics. *Frontiers in Immunology*, **2021**, 12, 733225	8.4	0
75	Use of data-independent acquisition mass spectrometry for comparative proteomics analyses of sera from pregnant women with intrahepatic cholestasis of pregnancy. *Journal of Proteomics*, **2021**, 236, 104124	3.9	3
74	Gestational diabetes mellitus is associated with the neonatal gut microbiota and metabolome. *BMC Medicine*, **2021**, 19, 120	11.4	4
73	Association of assisted reproductive technology, germline de novo mutations and congenital heart defects in a prospective birth cohort study. *Cell Research*, **2021**, 31, 919-928	24.7	7
72	The profiling of elements and pesticides in surface water in Nanjing, China with global comparisons. *Science of the Total Environment*, **2021**, 774, 145749	10.2	3
71	Lipidomic analysis reveals disturbances in glycerophospholipid and sphingolipid metabolic pathways in benzene-exposed mice. *Toxicology Research*, **2021**, 10, 706-718	2.6	1
70	Preliminary study on impacts of polystyrene microplastics on the hematological system and gene expression in bone marrow cells of mice. *Ecotoxicology and Environmental Safety*, **2021**, 218, 112296	7	5
69	Multiple ŤomicsŤanalysis reveals the role of prostaglandin E2 in HirschsprungŤs disease. *Free Radical Biology and Medicine*, **2021**, 164, 390-398	7.8	1
68	Diagnostic and Prognostic Value of Long Noncoding RNAs as Potential Novel Biomarkers in Intrahepatic Cholestasis of Pregnancy. *BioMed Research International*, **2021**, 2021, 8858326	3	1
67	ERp29 affects the migratory and invasive ability of human extravillous trophoblast HTR-8/SVneo cells via modulating the epithelial-mesenchymal transition. *Journal of Biochemical and Molecular Toxicology*, **2020**, 34, e22454	3.4	1
66	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
65	Prenatal exposure to glufosinate ammonium disturbs gut microbiome and induces behavioral abnormalities in mice. *Journal of Hazardous Materials*, **2020**, 389, 122152	12.8	11
64	Identifying a critical window of maternal metal exposure for maternal and neonatal thyroid function in China: A cohort study. *Environment International*, **2020**, 139, 105696	12.9	13

63	Di-n-butyl phthalate promotes lipid accumulation via the miR200c-5p-ABCA1 pathway in THP-1 macrophages. *Environmental Pollution*, **2020**, 264, 114723	9.3	10
62	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
61	Systematic Analysis of Impact of Sampling Regions and Storage Methods on Fecal Gut Microbiome and Metabolome Profiles. *MSphere*, **2020**, 5,	5	21
60	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
59	Benzene exposure induces gut microbiota dysbiosis and metabolic disorder in mice. *Science of the Total Environment*, **2020**, 705, 135879	10.2	17
58	Metabolic alterations associated with polycystic ovary syndrome: A UPLC Q-Exactive based metabolomic study. *Clinica Chimica Acta*, **2020**, 502, 280-286	6.2	12
57	Metabolomics study and meta-analysis on the association between maternal pesticide exposome and birth outcomes. *Environmental Research*, **2020**, 182, 109087	7.9	14
56	The relationship between semen factors and unexplained recurrent spontaneous abortion. *Clinica Chimica Acta*, **2020**, 510, 605-612	6.2	2
55	Characterization of Metabolic Patterns in Mouse Oocytes during Meiotic Maturation. *Molecular Cell* , **2020**, 80, 525-540.e9	17.6	19
54	A metabolomic study on the association of exposure to heavy metals in the first trimester with primary tooth eruption. *Science of the Total Environment*, **2020**, 723, 138107	10.2	6
53	Glycylglycine plays critical roles in the proliferation of spermatogonial stem cells. *Molecular Medicine Reports*, **2019**, 20, 3802-3810	2.9	1
52	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
51	Up regulation of miR-96-5p is responsible for TiO NPs induced invasion dysfunction of human trophoblastic cells via disturbing Ezrin mediated cytoskeletons arrangement. *Biomedicine and Pharmacotherapy*, **2019**, 117, 109125	7.5	7
50	Prenatal exposure to the herbicide 2,4-D is associated with deficits in auditory processing during infancy. *Environmental Research*, **2019**, 172, 486-494	7.9	10
49	ERp29 inhibition attenuates TCA toxicity via affecting p38/p53- dependent pathway in human trophoblast HTR-8/SVeno cells. *Archives of Biochemistry and Biophysics*, **2019**, 676, 108125	4.1	2
48	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
47	The mTOR/GCLc/GSH Pathway Mediates the Dose-Dependent Bidirectional Regulation of ROS Induced by TiO2NPs in Neurogenic Cells. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 1-14	6.7	47
46	NF-B-vimentin is involved in steroidogenesis stimulated by di--butyl phthalate in prepubertal female rats. *Toxicology Research*, **2018**, 7, 826-833	2.6	3

45	Prenatal organophosphate insecticide exposure and infant sensory function. *International Journal of Hygiene and Environmental Health*, **2018**, 221, 469-478	6.9	12
44	Down-regulated let-7b-5p represses glycolysis metabolism by targeting AURKB in asthenozoospermia. *Gene*, **2018**, 663, 83-87	3.8	21
43	Meta-analysis on the effectiveness of team-based learning on medical education in China. *BMC Medical Education*, **2018**, 18, 77	3.3	35
42	Distribution and predictors of 20 toxic and essential metals in the umbilical cord blood of Chinese newborns. *Chemosphere*, **2018**, 210, 1167-1175	8.4	17
41	Cortisol, cortisone, and 4-methoxyphenylacetic acid as potential plasma biomarkers for early detection of non-small cell lung cancer. *International Journal of Biological Markers*, **2018**, 33, 314-320	2.8	8
40	A multi-method evaluation of the effects of Inflammatory cytokines (IL-1, IFN-, TNF-) on pancreatic cells. *Journal of Cellular Physiology*, **2018**, 233, 9375-9382	7	6
39	Metabolic changes associated with papillary thyroid carcinoma: A nuclear magnetic resonance-based metabolomics study. *International Journal of Molecular Medicine*, **2018**, 41, 3006-3014	4.4	17
38	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
37	The Serum microRNA Profile of Intrahepatic Cholestasis of Pregnancy: Identification of Novel Noninvasive Biomarkers. *Cellular Physiology and Biochemistry*, **2018**, 51, 1480-1488	3.9	5
36	Meconium microbiome associates with the development of neonatal jaundice. *Clinical and Translational Gastroenterology*, **2018**, 9, 182	4.2	11
35	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
34	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
33	Obesity aggravates toxic effect of BPA on spermatogenesis. *Environment International*, **2017**, 105, 56-65	12.9	24
32	Prenatal naled and chlorpyrifos exposure is associated with deficits in infant motor function in a cohort of Chinese infants. *Environment International*, **2017**, 106, 248-256	12.9	50
31	Seminal plasma metabolomics approach for the diagnosis of unexplained male infertility. *PLoS ONE* , **2017**, 12, e0181115	3.7	36
30	Metabolome-wide association study identified the association between a circulating polyunsaturated fatty acids variant rs174548 and lung cancer. *Carcinogenesis*, **2017**, 38, 1147-1154	4.6	14
29	NF-B-vimentin is involved in steroidogenesis stimulated by mono-butyl phthalate in primary cultured ovarian granulosa cells. *Toxicology in Vitro*, **2017**, 45, 25-30	3.6	7
28	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

27	The impact of BMI on sperm parameters and the metabolite changes of seminal plasma concomitantly. *Oncotarget*, **2017**, 8, 48619-48634	3.3	37
26	Determination of twenty organophosphorus pesticides in blood serum by gas chromatography-tandem mass spectrometry. *Analytical Methods*, **2016**, 8, 4487-4496	3.2	16
25	Gene-gene and gene-environment interactions on risk of male infertility: Focus on the metabolites. *Environment International*, **2016**, 91, 188-95	12.9	15
24	The relationship between prenatal exposure to BP-3 and Hirschsprung's disease. *Chemosphere*, **2016**, 144, 1091-7	8.4	33
23	Developmental Neurotoxicity of Methamidophos in the Embryo-Larval Stages of Zebrafish. *International Journal of Environmental Research and Public Health*, **2016**, 14,	4.6	15
22	Genetic variants in PTPRD and risk of gestational diabetes mellitus. *Oncotarget*, **2016**, 7, 76101-76107	3.3	9
21	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
20	Metabolomics profiles delineate uridine deficiency contributes to mitochondria-mediated apoptosis induced by celastrol in human acute promyelocytic leukemia cells. *Oncotarget*, **2016**, 7, 46557-46572	3.3	22
19	Metabolomic profiles reveal key metabolic changes in heat stress-treated mouse Sertoli cells. *Toxicology in Vitro*, **2015**, 29, 1745-52	3.6	23
18	Titanium dioxide nanoparticles alter cellular morphology via disturbing the microtubule dynamics. *Nanoscale*, **2015**, 7, 8466-75	7.7	45
17	Prenatal lignan exposures, pregnancy urine estrogen profiles and birth outcomes. *Environmental Pollution*, **2015**, 205, 261-8	9.3	12
16	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
15	Mitochondria-related miR-151a-5p reduces cellular ATP production by targeting CYTB in asthenozoospermia. *Scientific Reports*, **2015**, 5, 17743	4.9	35
14	Triclosan causes spontaneous abortion accompanied by decline of estrogen sulfotransferase activity in humans and mice. *Scientific Reports*, **2015**, 5, 18252	4.9	57
13	miR-98 and its host gene Huwe1 target Caspase-3 in Silica nanoparticles-treated male germ cells. *Scientific Reports*, **2015**, 5, 12938	4.9	14
12	Mitochondria-related miR-141-3p contributes to mitochondrial dysfunction in HFD-induced obesity by inhibiting PTEN. *Scientific Reports*, **2015**, 5, 16262	4.9	39
11	Metabolomics reveals metabolic changes in male reproductive cells exposed to thirdhand smoke. *Scientific Reports*, **2015**, 5, 15512	4.9	24
10	P09.05 Unusually low prevalence of mycoplasma genitalium and trichomonas vaginalis in urine samples from chinese women attending a centre of prenatal diagnosis. *Sexually Transmitted Infections*, **2015**, 91, A149.1-A149	2.8	

9	Effect of perfluorooctane sulfonate on pluripotency and differentiation factors in mouse embryoid bodies. *Toxicology*, **2015**, 328, 160-7	4.4	9
8	Distribution and Predictors of Pesticides in the Umbilical Cord Blood of Chinese Newborns. *International Journal of Environmental Research and Public Health*, **2015**, 13,	4.6	15
7	Metabolomic analysis reveals metabolic changes caused by bisphenol A in rats. *Toxicological Sciences*, **2014**, 138, 256-67	4.4	35
6	Urinary metabolome identifies signatures of oligozoospermic infertile men. *Fertility and Sterility*, **2014**, 102, 44-53.e12	4.8	39
5	Association of exposure to phenols and idiopathic male infertility. *Journal of Hazardous Materials*, **2013**, 250-251, 115-21	12.8	91
4	Simultaneous quantification of five phenols in settled house dust using ultra-high performance liquid chromatography-tandem mass spectrometry. *Analytical Methods*, **2013**, 5, 5339	3.2	9
3	Interactions between urinary 4-tert-octylphenol levels and metabolism enzyme gene variants on idiopathic male infertility. *PLoS ONE*, **2013**, 8, e59398	3.7	11
2	Determination of nine environmental phenols in urine by ultra-high-performance liquid chromatography-tandem mass spectrometry. *Journal of Analytical Toxicology*, **2012**, 36, 608-15	2.9	50
1	Bisphenol A alters n-6 fatty acid composition and decreases antioxidant enzyme levels in rat testes: a LC-QTOF-based metabolomics study. *PLoS ONE*, **2012**, 7, e44754	3.7	26