

Ai-Hua Gu

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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.

78
papers

1,038
citations

20
h-index

28
g-index

83
ext. papers

1,442
ext. citations

5.7
avg, IF

4.37
L-index

#	Paper	IF	Citations
78	Genetic variants in Piwi-interacting RNA pathway genes confer susceptibility to spermatogenic failure in a Chinese population. <i>Human Reproduction</i> , 2010 , 25, 2955-61	5.7	56
77	Organochloride pesticides impaired mitochondrial function in hepatocytes and aggravated disorders of fatty acid metabolism. <i>Scientific Reports</i> , 2017 , 7, 46339	4.9	54
76	Organochloride pesticides modulated gut microbiota and influenced bile acid metabolism in mice. <i>Environmental Pollution</i> , 2017 , 226, 268-276	9.3	50
75	Neurobehavioral effects of bisphenol S exposure in early life stages of zebrafish larvae (<i>Danio rerio</i>). <i>Chemosphere</i> , 2019 , 217, 629-635	8.4	45
74	miR-142-3p acts as an essential modulator of neutrophil development in zebrafish. <i>Blood</i> , 2014 , 124, 1320-30	2.2	44
73	Association between level of urinary trace heavy metals and obesity among children aged 6-19 years: NHANES 1999-2011. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 11573-11581	5.1	41
72	Taurine ameliorates particulate matter-induced emphysema by switching on mitochondrial NADH dehydrogenase genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E9655-E9664	11.5	41
71	Sublethal effects of zinc oxide nanoparticles on male reproductive cells. <i>Toxicology in Vitro</i> , 2016 , 35, 131-8	3.6	39
70	Exposure to fenvalerate causes brain impairment during zebrafish development. <i>Toxicology Letters</i> , 2010 , 197, 188-92	4.4	39
69	Ibrutinib, a Bruton's tyrosine kinase inhibitor, exhibits antitumoral activity and induces autophagy in glioblastoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017 , 36, 96	12.8	29
68	Assessment of an association between an aryl hydrocarbon receptor gene (AHR) polymorphism and risk of male infertility. <i>Toxicological Sciences</i> , 2011 , 122, 415-21	4.4	28
67	Urinary enterolactone is associated with obesity and metabolic alteration in men in the US National Health and Nutrition Examination Survey 2001-10. <i>British Journal of Nutrition</i> , 2015 , 113, 683-90	3.6	27
66	Association of polycyclic aromatic hydrocarbons and asthma among children 6-19 years: NHANES 2001-2008 and NHANES 2011-2012. <i>Respiratory Medicine</i> , 2016 , 110, 20-7	4.6	27
65	Perfluorooctane sulfonate-induced testicular toxicity and differential testicular expression of estrogen receptor in male mice. <i>Environmental Toxicology and Pharmacology</i> , 2016 , 45, 150-7	5.8	26
64	Involvement of Insulin Signaling Disturbances in Bisphenol A-Induced Alzheimer's Disease-like Neurotoxicity. <i>Scientific Reports</i> , 2017 , 7, 7497	4.9	25
63	Genetic variants in telomerase reverse transcriptase (TERT) and telomerase-associated protein 1 (TEP1) and the risk of male infertility. <i>Gene</i> , 2014 , 534, 139-43	3.8	25
62	Levels of a mixture of heavy metals in blood and urine and all-cause, cardiovascular disease and cancer mortality: A population-based cohort study. <i>Environmental Pollution</i> , 2020 , 263, 114630	9.3	23

61	Association of XRCC1 gene polymorphisms with idiopathic azoospermia in a Chinese population. <i>Asian Journal of Andrology</i> , 2007 , 9, 781-6	2.8	22
60	Oxidative stress in bisphenol AF-induced cardiotoxicity in zebrafish and the protective role of N-acetyl N-cysteine. <i>Science of the Total Environment</i> , 2020 , 731, 139190	10.2	21
59	Estrogen receptor beta mediates hepatotoxicity induced by perfluorooctane sulfonate in mouse. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 13414-13423	5.1	20
58	Berberine ameliorates blockade of autophagic flux in the liver by regulating cholesterol metabolism and inhibiting COX2-prostaglandin synthesis. <i>Cell Death and Disease</i> , 2018 , 9, 824	9.8	18
57	The association between serum copper concentrations and cardiovascular disease risk factors in children and adolescents in NHANES. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 16951-16958	5.1	17
56	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
55	Association between CTLA-4 60G/A and -1661A/G polymorphisms and the risk of cancers: a meta-analysis. <i>PLoS ONE</i> , 2013 , 8, e83710	3.7	15
54	Toxicological assessment of multi-walled carbon nanotubes in vitro: potential mitochondria effects on male reproductive cells. <i>Oncotarget</i> , 2016 , 7, 39270-39278	3.3	15
53	Association between perfluoroalkyl substance concentrations and blood pressure in adolescents. <i>Environmental Pollution</i> , 2019 , 254, 112971	9.3	14
52	Polymorphisms of nucleotide-excision repair genes may contribute to sperm DNA fragmentation and male infertility. <i>Reproductive BioMedicine Online</i> , 2010 , 21, 602-9	4	13
51	FMO3 and its metabolite TMAO contribute to the formation of gallstones. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2576-2585	6.9	12
50	Urinary enterolactone associated with liver enzyme levels in US adults: National Health and Nutrition Examination Survey (NHANES). <i>British Journal of Nutrition</i> , 2015 , 114, 91-7	3.6	12
49	Organochloride pesticides induced hepatic ABCG5/G8 expression and lipogenesis in Chinese patients with gallstone disease. <i>Oncotarget</i> , 2016 , 7, 33689-702	3.3	12
48	miRNA-200c mediates mono-butyl phthalate-disrupted steroidogenesis by targeting vimentin in Leydig tumor cells and murine adrenocortical tumor cells. <i>Toxicology Letters</i> , 2016 , 241, 95-102	4.4	12
47	Increased serum levels of aldehydes are associated with cardiovascular disease and cardiovascular risk factors in adults. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123134	12.8	11
46	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
45	Involvement of the delayed rectifier outward potassium channel Kv2.1 in methamphetamine-induced neuronal apoptosis via the p38 mitogen-activated protein kinase signaling pathway. <i>Journal of Applied Toxicology</i> , 2018 , 38, 696-704	4.1	10
44	Genetic variants in nitric oxide synthase genes and the risk of male infertility in a Chinese population: a case-control study. <i>PLoS ONE</i> , 2014 , 9, e115190	3.7	10

43	Di-n-butyl phthalate promotes lipid accumulation via the miR200c-5p-ABCA1 pathway in THP-1 macrophages. <i>Environmental Pollution</i> , 2020 , 264, 114723	9.3	10
42	In vitro evaluation of the hepatic lipid accumulation of bisphenol analogs: A high-content screening assay. <i>Toxicology in Vitro</i> , 2020 , 68, 104959	3.6	10
41	HDL cholesterol: A potential mediator of the association between urinary cadmium concentration and cardiovascular disease risk. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 208, 111433	7	10
40	The 8-oxoguanine DNA glycosylase 1 (ogg1) decreases the vulnerability of the developing brain to DNA damage. <i>DNA Repair</i> , 2013 , 12, 1094-104	4.3	9
39	Association between the XRCC1 Arg194Trp polymorphism and glioma risk: an updated meta-analysis. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014 , 15, 7419-24	1.7	9
38	DNA repair gene XRCC1 and XPD polymorphisms and the risk of idiopathic azoospermia in a Chinese population. <i>International Journal of Molecular Medicine</i> , 2007 , 20, 743-7	4.4	9
37	Early-life perfluorooctanoic acid exposure induces obesity in male offspring and the intervention role of chlorogenic acid. <i>Environmental Pollution</i> , 2021 , 272, 115974	9.3	8
36	The pro-inflammatory signalling regulator Stat4 promotes vasculogenesis of great vessels derived from endothelial precursors. <i>Nature Communications</i> , 2017 , 8, 14640	17.4	7
35	NF- κ -vimentin is involved in steroidogenesis stimulated by mono-butyl phthalate in primary cultured ovarian granulosa cells. <i>Toxicology in Vitro</i> , 2017 , 45, 25-30	3.6	7
34	Nucleotide excision repair polymorphisms, polycyclic aromatic hydrocarbon exposure, and their effects on sperm deoxyribonucleic acid damage and male factor infertility. <i>Fertility and Sterility</i> , 2010 , 94, 2620-5.e1-5	4.8	7
33	Deficiency of X-ray repair cross-complementing group 1 in primordial germ cells contributes to male infertility. <i>FASEB Journal</i> , 2019 , 33, 7427-7436	0.9	6
32	Urinary biomarkers of polycyclic aromatic hydrocarbons and their associations with liver function in adolescents. <i>Environmental Pollution</i> , 2021 , 278, 116842	9.3	6
31	Low Serum Testosterone Levels Are Associated with Elevated Urinary Mandelic Acid, and Strontium Levels in Adult Men According to the US 2011-2012 National Health and Nutrition Examination Survey. <i>PLoS ONE</i> , 2015 , 10, e0127451	3.7	5
30	Autophagy mediates perfluorooctanoic acid-induced lipid metabolism disorder and NLRP3 inflammasome activation in hepatocytes. <i>Environmental Pollution</i> , 2020 , 267, 115655	9.3	5
29	Comparison of catheter and surgical ablation of atrial fibrillation: A systemic review and meta-analysis of randomized trials. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	5
28	Effects of urban particulate matter with high glucose on human monocytes U937. <i>Journal of Applied Toxicology</i> , 2016 , 36, 586-95	4.1	5
27	Altered profile of gut microbiota after subchronic exposure to neochamaejasmin A in rats. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 39, 927-33	5.8	4
26	Nighttime snacking is associated with risk of obesity and hyperglycemia in adults: a cross-sectional survey from Chinese adult teachers. <i>Journal of Biomedical Research</i> , 2017 ,	1.5	4

25	Serum nickel is associated with craniosynostosis risk: Evidence from humans and mice. <i>Environment International</i> , 2021 , 146, 106289	12.9	4
24	RhoG-ELMO1-RAC1 is involved in phagocytosis suppressed by mono-butyl phthalate in TM4 cells. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 35440-35450	5.1	4
23	NF- κ -vimentin is involved in steroidogenesis stimulated by di-butyl phthalate in prepubertal female rats. <i>Toxicology Research</i> , 2018 , 7, 826-833	2.6	3
22	Gut microbiota promotes cholesterol gallstone formation by modulating bile acid composition and biliary cholesterol secretion.. <i>Nature Communications</i> , 2022 , 13, 252	17.4	3
21	HDL cholesterol: A potential mediator of the association between serum levels of a mixture of metals and the risk of aortic dissection in a Chinese population. <i>Environmental Pollution</i> , 2021 , 290, 117942	9.3	3
20	Activating transcription factor 3 coordinates differentiation of cardiac and hematopoietic progenitors by regulating glucose metabolism. <i>Science Advances</i> , 2020 , 6, eaay9466	14.3	2
19	A systematic comparison of the developmental vascular toxicity of bisphenol A and its alternatives in vivo and in vitro. <i>Chemosphere</i> , 2021 , 291, 132936	8.4	2
18	SREBP2-STARD4 is involved in synthesis of cholesteryl ester stimulated by mono-butyl phthalate in MLTC-1 cells. <i>Environmental Toxicology</i> , 2020 , 35, 377-384	4.2	2
17	Quality of life after dual kidney transplant: a systematic review. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2021 , 29, 579-583	1.4	2
16	Increased serum levels of cadmium are associated with an elevated risk of cardiovascular disease in adults. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	2
15	Single Cell RNA-Sequencing Reveals a Murine Gallbladder Cell Transcriptome Atlas During the Process of Cholesterol Gallstone Formation. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 714271	5.7	2
14	Low serum 25-hydroxyvitamin D levels are associated with liver injury markers in the US adult population. <i>Public Health Nutrition</i> , 2020 , 23, 2915-2922	3.3	1
13	Association between birth weight and risk of cardiovascular disease: Evidence from UK Biobank. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 2637-2643	4.5	1
12	Embryotoxic effects of tribromophenol on early post-implantation development of mouse embryos in vitro. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	1
11	Endothelial peroxynitrite causes disturbance of neuronal oscillations by targeting caspase-1 in the arcuate nucleus. <i>Redox Biology</i> , 2021 , 47, 102147	11.3	1
10	Total cholesterol: a potential mediator of the association between exposure to acrylamide and hypertension risk in adolescent females.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
9	Association between urinary cadmium concentrations and liver function in adolescents.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
8	Maternal smoking during pregnancy is risk factor for gallbladder disease in offspring during adulthood: a prospective study from UK Biobank. <i>Annals of Hepatology</i> , 2021 , 100558	3.1	0

7	An Axin2 mutation and perinatal risk factors contribute to sagittal craniosynostosis: evidence from a Chinese female monozygotic diamniotic twin family. <i>Hereditas</i> , 2021 , 158, 20	2.4	○
6	Birth Weight and Adult Obesity Index in Relation to the Risk of Hypertension: A Prospective Cohort Study in the UK Biobank. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 637437	5.4	○
5	Association of urinary caffeine and caffeine metabolites with cardiovascular disease risk in adults. <i>Nutrition</i> , 2021 , 84, 111121	4.8	○
4	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	○
3	Hsp90 α -nitrosylation at Cys521, as a conformational switch, modulates cycling of Hsp90-AHA1-CDC37 chaperone machine to aggravate atherosclerosis.. <i>Redox Biology</i> , 2022 , 52, 102290 ^{11.3}	11.3	○
2	Associations of genetic risk factors and air pollution with incident hypertension among participants in the UK Biobank study.. <i>Chemosphere</i> , 2022 , 299, 134398	8.4	○
1	Quantification of Mitochondrial Genome Transcription in Male Reproductive Cells by Real-Time PCR. <i>Methods in Molecular Biology</i> , 2019 , 1894, 171-180	1.4	