

Ai-Hua Gu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1233776/publications.pdf>

Version: 2024-02-01

79
papers

1,895
citations

236612

25
h-index

315357

38
g-index

83
all docs

83
docs citations

83
times ranked

2875
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.7	90
2	Neurobehavioral effects of bisphenol S exposure in early life stages of zebrafish larvae (<i>Danio rerio</i>). <i>Chemosphere</i> , 2019, 217, 629-635.	4.2	83
3	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.	2.7	81
4	Genetic variants in Piwi-interacting RNA pathway genes confer susceptibility to spermatogenic failure in a Chinese population. <i>Human Reproduction</i> , 2010, 25, 2955-2961.	0.4	78
5	Organochloride pesticides impaired mitochondrial function in hepatocytes and aggravated disorders of fatty acid metabolism. <i>Scientific Reports</i> , 2017, 7, 46339.	1.6	76
6	Gut microbiota promotes cholesterol gallstone formation by modulating bile acid composition and biliary cholesterol secretion. <i>Nature Communications</i> , 2022, 13, 252.	5.8	67
7	Organochloride pesticides modulated gut microbiota and influenced bile acid metabolism in mice. <i>Environmental Pollution</i> , 2017, 226, 268-276.	3.7	66
8	Sublethal effects of zinc oxide nanoparticles on male reproductive cells. <i>Toxicology in Vitro</i> , 2016, 35, 131-138.	1.1	58
9	miR-142-3p acts as an essential modulator of neutrophil development in zebrafish. <i>Blood</i> , 2014, 124, 1320-1330.	0.6	56
10	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.	3.3	56
11	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.	3.9	50
12	Exposure to fenvalerate causes brain impairment during zebrafish development. <i>Toxicology Letters</i> , 2010, 197, 188-192.	0.4	49
13	Involvement of Insulin Signaling Disturbances in Bisphenol A-Induced Alzheimer's Disease-like Neurotoxicity. <i>Scientific Reports</i> , 2017, 7, 7497.	1.6	46
14	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.	6.5	45
15	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.	3.5	43
16	Perfluorooctane sulfonate-induced testicular toxicity and differential testicular expression of estrogen receptor in male mice. <i>Environmental Toxicology and Pharmacology</i> , 2016, 45, 150-157.	2.0	41
17	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, 20-27.	1.3	40
18	Urinary biomarkers of polycyclic aromatic hydrocarbons and their associations with liver function in adolescents. <i>Environmental Pollution</i> , 2021, 278, 116842.	3.7	37

#	ARTICLE	IF	CITATIONS
19	Assessment of an Association between an Aryl Hydrocarbon Receptor Gene (AHR) Polymorphism and Risk of Male Infertility. <i>Toxicological Sciences</i> , 2011, 122, 415-421.	1.4	33
20	Urinary enterolactone is associated with obesity and metabolic alteration in men in the US National Health and Nutrition Examination Survey 2001-2010. <i>British Journal of Nutrition</i> , 2015, 113, 683-690.	1.2	32
21	Estrogen receptor beta mediates hepatotoxicity induced by perfluorooctane sulfonate in mouse. <i>Environmental Science and Pollution Research</i> , 2017, 24, 13414-13423.	2.7	32
22	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.	2.7	32
23	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.	1.8	31
24	A systematic comparison of the developmental vascular toxicity of bisphenol A and its alternatives in vivo and in vitro. <i>Chemosphere</i> , 2022, 291, 132936.	4.2	31
25	Genetic variants in telomerase reverse transcriptase (TERT) and telomerase-associated protein 1 (TEP1) and the risk of male infertility. <i>Gene</i> , 2014, 534, 139-143.	1.0	30
26	Association between perfluoroalkyl substance concentrations and blood pressure in adolescents. <i>Environmental Pollution</i> , 2019, 254, 112971.	3.7	27
27	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.	2.9	26
28	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.	2.7	24
29	Association of XRCC1 gene polymorphisms with idiopathic azoospermia in a Chinese population. <i>Asian Journal of Andrology</i> , 2007, 9, 781-786.	0.8	23
30	Association between birth weight and risk of cardiovascular disease: Evidence from UK Biobank. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 2637-2643.	1.1	23
31	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.	1.1	21
32	Toxicological assessment of multi-walled carbon nanotubes <i>in vitro</i> : potential mitochondria effects on male reproductive cells. <i>Oncotarget</i> , 2016, 7, 39270-39278.	0.8	21
33	Autophagy mediates perfluorooctanoic acid-induced lipid metabolism disorder and NLRP3 inflammasome activation in hepatocytes. <i>Environmental Pollution</i> , 2020, 267, 115655.	3.7	19
34	In vitro evaluation of the hepatic lipid accumulation of bisphenol analogs: A high-content screening assay. <i>Toxicology in Vitro</i> , 2020, 68, 104959.	1.1	19
35	Increased serum levels of cadmium are associated with an elevated risk of cardiovascular disease in adults. <i>Environmental Science and Pollution Research</i> , 2022, 29, 1836-1844.	2.7	19
36	Di-n-butyl phthalate promotes lipid accumulation via the miR200c-5p-ABCA1 pathway in THP-1 macrophages. <i>Environmental Pollution</i> , 2020, 264, 114723.	3.7	19

#	ARTICLE	IF	CITATIONS
37	Serum nickel is associated with craniosynostosis risk: Evidence from humans and mice. <i>Environment International</i> , 2021, 146, 106289.	4.8	18
38	Early-life perfluorooctanoic acid exposure induces obesity in male offspring and the intervention role of chlorogenic acid. <i>Environmental Pollution</i> , 2021, 272, 115974.	3.7	18
39	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.	1.1	16
40	Estrogen receptors are involved in polychlorinated biphenyl-induced apoptosis on mouse spermatocyte GC-2 cell line. <i>Toxicology in Vitro</i> , 2014, 28, 373-380.	1.1	16
41	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.	0.4	16
42	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.	3.9	15
43	The 8-oxoguanine DNA glycosylase 1 (ogg1) decreases the vulnerability of the developing brain to DNA damage. <i>DNA Repair</i> , 2013, 12, 1094-1104.	1.3	14
44	Involvement of the delayed rectifier outward potassium channel Kv2.1 in methamphetamine α -induced neuronal apoptosis via the p38 mitogen α -activated protein kinase signaling pathway. <i>Journal of Applied Toxicology</i> , 2018, 38, 696-704.	1.4	14
45	Association between urinary cadmium concentrations and liver function in adolescents. <i>Environmental Science and Pollution Research</i> , 2022, 29, 39768-39776.	2.7	14
46	Polymorphisms of nucleotide-excision repair genes may contribute to sperm DNA fragmentation and male infertility. <i>Reproductive BioMedicine Online</i> , 2010, 21, 602-609.	1.1	13
47	Organochloride pesticides induced hepatic ABCG5/G8 expression and lipogenesis in Chinese patients with gallstone disease. <i>Oncotarget</i> , 2016, 7, 33689-33702.	0.8	13
48	Associations of genetic risk factors and air pollution with incident hypertension among participants in the UK Biobank study. <i>Chemosphere</i> , 2022, 299, 134398.	4.2	13
49	The association of Y chromosome haplogroups with spermatogenic failure in the Han Chinese. <i>Journal of Human Genetics</i> , 2007, 52, 659-663.	1.1	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, 91-97.	1.2	12
51	The pro-inflammatory signalling regulator Stat4 promotes vasculogenesis of great vessels derived from endothelial precursors. <i>Nature Communications</i> , 2017, 8, 14640.	5.8	12
52	Deficiency of X α -ray repair cross α -complementing group 1 in primordial germ cells contributes to male infertility. <i>FASEB Journal</i> , 2019, 33, 7427-7436.	0.2	12
53	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, 2620-2625.e5.	0.5	11
54	Association between the XRCC1 Arg194Trp Polymorphism and Glioma Risk: an Updated Meta-analysis. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 7419-7424.	0.5	10

#	ARTICLE	IF	CITATIONS
55	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.	1.8	10
56	Activating transcription factor 3 coordinates differentiation of cardiac and hematopoietic progenitors by regulating glucose metabolism. <i>Science Advances</i> , 2020, 6, eaay9466.	4.7	9
57	NF- κ B-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.	1.1	8
58	Association of urinary caffeine and caffeine metabolites with cardiovascular disease risk in adults. <i>Nutrition</i> , 2021, 84, 111121.	1.1	8
59	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.	1.1	8
60	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, 31, 541.	0.7	7
61	Altered profile of gut microbiota after subchronic exposure to neochamaejasmin A in rats. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 927-933.	2.0	6
62	Effects of urban particulate matter with high glucose on human monocytes U937. <i>Journal of Applied Toxicology</i> , 2016, 36, 586-595.	1.4	6
63	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.	2.7	6
64	Endothelial peroxynitrite causes disturbance of neuronal oscillations by targeting caspase-1 in the arcuate nucleus. <i>Redox Biology</i> , 2021, 47, 102147.	3.9	6
65	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.	3.7	6
66	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> , 2022, 163, 980-993.	0.4	5
67	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.	2.0	5
68	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, 29, 38425-38434.	2.7	5
69	NF- κ B-vimentin is involved in steroidogenesis stimulated by di-n-butyl phthalate in prepubertal female rats. <i>Toxicology Research</i> , 2018, 7, 826-833.	0.9	4
70	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.	1.1	4
71	Embryotoxic effects of tribromophenol on early post-implantation development of mouse embryos in vitro. <i>Environmental Science and Pollution Research</i> , 2022, 29, 12085-12099.	2.7	4
72	SREBP2-STAR4 is involved in synthesis of cholesteryl ester stimulated by mono-butyl phthalate in MLTC-1 cells. <i>Environmental Toxicology</i> , 2020, 35, 377-384.	2.1	3

#	ARTICLE	IF	CITATIONS
73	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.	1.1	3
74	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.	1.8	3
75	Quality of life after dual kidney transplant: a systematic review. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2021, 29, 579-583.	0.8	2
76	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, 26, 100558.	0.6	2
77	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.	0.5	1
78	Quantification of Mitochondrial Genome Transcription in Male Reproductive Cells by Real-Time PCR. <i>Methods in Molecular Biology</i> , 2019, 1894, 171-180.	0.4	0
79	Experimental Protocol for Detecting Mitochondrial Function in Hepatocytes Exposed to Organochlorine Pesticides. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	0