Xia Huo

List of Publications by Year
in descending order

137 papers	7,055 citations	53660 45 h-index	71532 76 g-index
141 all docs	141 docs citations	141 times ranked	6030 citing authors

#	Article	IF	Citations
1	Elevated Blood Lead Levels of Children in Guiyu, an Electronic Waste Recycling Town in China. Environmental Health Perspectives, 2007, 115, 1113-1117.	2.8	438
2	Developmental Neurotoxicants in E-Waste: An Emerging Health Concern. Environmental Health Perspectives, 2011, 119, 431-438.	2.8	269
3	E-Waste and Harm to Vulnerable Populations: A Growing Global Problem. Environmental Health Perspectives, 2016, 124, 550-555.	2.8	261
4	Blood lead and cadmium levels and relevant factors among children from an e-waste recycling town in China. Environmental Research, 2008, 108, 15-20.	3.7	236
5	Children with health impairments by heavy metals in an e-waste recycling area. Chemosphere, 2016, 148, 408-415.	4.2	192
6	Monitoring of lead, cadmium, chromium and nickel in placenta from an e-waste recycling town in China. Science of the Total Environment, 2010, 408, 3113-3117.	3.9	174
7	Polybrominated Diphenyl Ethers in Umbilical Cord Blood and Relevant Factors in Neonates from Guiyu, China. Environmental Science & Technology, 2010, 44, 813-819.	4.6	171
8	Heavy metals in PM 2.5 and in blood, and children's respiratory symptoms and asthma from an e-waste recycling area. Environmental Pollution, 2016, 210, 346-353.	3.7	150
9	The hazard of chromium exposure to neonates in Guiyu of China. Science of the Total Environment, 2008, 403, 99-104.	3.9	138
10	Birth outcomes related to informal e-waste recycling in Guiyu, China. Reproductive Toxicology, 2012, 33, 94-98.	1.3	126
11	Association between maternal exposure to perfluorooctanoic acid (PFOA) from electronic waste recycling and neonatal health outcomes. Environment International, 2012, 48, 1-8.	4.8	125
12	Comparative evaluation of environmental contamination and DNA damage induced by electronic-waste in Nigeria and China. Science of the Total Environment, 2012, 423, 62-72.	3.9	125
13	Association between lung function in school children and exposure to three transition metals from an e-waste recycling area. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 67-72.	1.8	122
14	Effects of lead and cadmium exposure from electronic waste on child physical growth. Environmental Science and Pollution Research, 2013, 20, 4441-4447.	2.7	120
15	Carcinogenic polycyclic aromatic hydrocarbons in umbilical cord blood of human neonates from Guiyu, China. Science of the Total Environment, 2012, 427-428, 35-40.	3.9	102
16	Monitoring of lead load and its effect on neonatal behavioral neurological assessment scores in Guiyu, an electronic waste recycling town in China. Journal of Environmental Monitoring, 2008, 10, 1233.	2.1	97
17	Environmental Pollution: An Under-recognized Threat to Children's Health, Especially in Low- and Middle-Income Countries. Environmental Health Perspectives, 2016, 124, A41-5.	2.8	96
18	Ambient Air Heavy Metals in PM2.5 and Potential Human Health Risk Assessment in an Informal Electronic-Waste Recycling Site of China. Aerosol and Air Quality Research, 2016, 16, 388-397.	0.9	96

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19	Assessment of health risk of trace metal pollution in surface soil and road dust from e-waste recycling area in China. Environmental Science and Pollution Research, 2016, 23, 17511-17524.	2.7	95
20	Association between lead exposure from electronic waste recycling and child temperament alterations. NeuroToxicology, 2011, 32, 458-464.	1.4	89
21	Polybrominated diphenyl ethers in residential and agricultural soils from an electronic waste polluted region in South China: Distribution, compositional profile, and sources. Chemosphere, 2014, 102, 55-60.	4.2	82
22	Decreased lung function with mediation of blood parameters linked to e-waste lead and cadmium exposure in preschool children. Environmental Pollution, 2017, 230, 838-848.	3.7	77
23	Heavy metal exposure has adverse effects on the growth and development of preschool children. Environmental Geochemistry and Health, 2019, 41, 309-321.	1.8	74
24	Cardiovascular endothelial inflammation by chronic coexposure to lead (Pb) and polycyclic aromatic hydrocarbons from preschool children in an e-waste recycling area. Environmental Pollution, 2019, 246, 587-596.	3.7	73
25	Decreased blood hepatitis B surface antibody levels linked to e-waste lead exposure in preschool children. Journal of Hazardous Materials, 2015, 298, 122-128.	6.5	69
26	Placental IGF-1 and IGFBP-3 expression correlate with umbilical cord blood PAH and PBDE levels from prenatal exposure to electronic waste. Environmental Pollution, 2013, 182, 63-69.	3.7	66
27	Health Consequences of Environmental Exposures: Changing Global Patterns of Exposure and Disease. Annals of Global Health, 2018, 82, 10.	0.8	66
28	E-waste lead exposure and children's health in China. Science of the Total Environment, 2020, 734, 139286.	3.9	66
29	Association of MDR1 and ERCC1 polymorphisms with response and toxicity to cisplatin-based chemotherapy in non-small-cell lung cancer patients. International Journal of Hygiene and Environmental Health, 2010, 213, 140-145.	2.1	64
30	Blood concentrations of lead, cadmium, mercury and their association with biomarkers of DNA oxidative damage in preschool children living in an e-waste recycling area. Environmental Geochemistry and Health, 2018, 40, 1481-1494.	1.8	63
31	Elevated inflammatory Lp-PLA2 and IL-6 link e-waste Pb toxicity to cardiovascular risk factors in preschool children. Environmental Pollution, 2018, 234, 601-609.	3.7	62
32	E-waste environmental contamination and harm to public health in China. Frontiers of Medicine, 2015, 9, 220-228.	1.5	60
33	Elevated lead levels and adverse effects on natural killer cells in children from an electronic waste recycling area. Environmental Pollution, 2016, 213, 143-150.	3.7	60
34	Hearing loss in children with e-waste lead and cadmium exposure. Science of the Total Environment, 2018, 624, 621-627.	3.9	59
35	Associations of cadmium, bisphenol A and polychlorinated biphenyl co-exposure in utero with placental gene expression and neonatal outcomes. Reproductive Toxicology, 2015, 52, 62-70.	1.3	58
36	Temperature drop and the risk of asthma: a systematic review and meta-analysis. Environmental Science and Pollution Research, 2017, 24, 22535-22546.	2.7	58

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37	Decreased vaccine antibody titers following exposure to multiple metals and metalloids in e-waste-exposed preschool children. Environmental Pollution, 2017, 220, 354-363.	3.7	58
38	Maternal urinary metabolites of PAHs and its association with adverse birth outcomes in an intensive e-waste recycling area. Environmental Pollution, 2019, 245, 453-461.	3.7	57
39	Association of polycyclic aromatic hydrocarbons (PAHs) and lead co-exposure with child physical growth and development in an e-waste recycling town. Chemosphere, 2015, 139, 295-302.	4.2	56
40	Elevated lead levels and changes in blood morphology and erythrocyte CR1 in preschool children from an e-waste area. Science of the Total Environment, 2017, 592, 51-59.	3.9	56
41	Severe dioxin-like compound (DLC) contamination in e-waste recycling areas: An under-recognized threat to local health. Environment International, 2020, 139, 105731.	4.8	55
42	Early-life Exposure to Widespread Environmental Toxicants and Health Risk: A Focus on the Immune and Respiratory Systems. Annals of Global Health, 2018, 82, 119.	0.8	53
43	Polybrominated diphenyl ethers in human placenta associated with neonatal physiological development at a typical e-waste recycling area in China. Environmental Pollution, 2015, 196, 414-422.	3.7	51
44	Exposure to multiple heavy metals associate with aberrant immune homeostasis and inflammatory activation in preschool children. Chemosphere, 2020, 257, 127257.	4.2	50
45	Sources, distribution, and toxicity of polycyclic aromatic hydrocarbons. Journal of Environmental Health, 2011, 73, 22-5.	0.5	50
46	Assessment of cadmium exposure for neonates in Guiyu, an electronic waste pollution site of China. Environmental Monitoring and Assessment, 2011, 177, 343-351.	1.3	49
47	Anogenital distance and its application in environmental health research. Environmental Science and Pollution Research, 2014, 21, 5457-5464.	2.7	47
48	Blood lead and cadmium levels associated with hematological and hepatic functions in patients from an e-waste-polluted area. Chemosphere, 2019, 220, 531-538.	4.2	47
49	Ambient air pollution and markers of fetal growth: A retrospective population-based cohort study of 2.57 million term singleton births in China. Environment International, 2020, 135, 105410.	4.8	47
50	In utero exposure to polychlorinated biphenyls and reduced neonatal physiological development from Guiyu, China. Ecotoxicology and Environmental Safety, 2011, 74, 2141-2147.	2.9	46
51	Associations between maternal phenolic exposure and cord sex hormones in male newborns. Human Reproduction, 2016, 31, 648-656.	0.4	46
52	Maternal urinary cadmium levels during pregnancy associated with risk of sex-dependent birth outcomes from an e-waste pollution site in China. Reproductive Toxicology, 2018, 75, 49-55.	1.3	46
53	S100β in heavy metal-related child attention-deficit hyperactivity disorder in an informal e-waste recycling area. NeuroToxicology, 2014, 45, 185-191.	1.4	45
54	Differential DNA methylation in newborns with maternal exposure to heavy metals from an e-waste recycling area. Environmental Research, 2019, 171, 536-545.	3.7	45

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55	MicroRNAs and their role in environmental chemical carcinogenesis. Environmental Geochemistry and Health, 2019, 41, 225-247.	1.8	45
56	Elevated lead levels from e-waste exposure are linked to decreased olfactory memory in children. Environmental Pollution, 2017, 231, 1112-1121.	3.7	44
57	Lead (Pb) exposure and heart failure risk. Environmental Science and Pollution Research, 2021, 28, 28833-28847.	2.7	43
58	Short Placental Telomere was Associated with Cadmium Pollution in an Electronic Waste Recycling Town in China. PLoS ONE, 2013, 8, e60815.	1.1	42
59	Hearing loss risk and DNA methylation signatures in preschool children following lead and cadmium exposure from an electronic waste recycling area. Chemosphere, 2020, 246, 125829.	4.2	42
60	Birth outcomes associated with maternal exposure to metals from informal electronic waste recycling in Guiyu, China. Environment International, 2020, 137, 105580.	4.8	42
61	Ambient fine particulate matter inhibits innate airway antimicrobial activity in preschool children in e-waste areas. Environment International, 2019, 123, 535-542.	4.8	41
62	Prevention-intervention strategies to reduce exposure to e-waste. Reviews on Environmental Health, 2018, 33, 219-228.	1.1	38
63	Phthalate exposure as a risk factor for hypertension. Environmental Science and Pollution Research, 2018, 25, 20550-20561.	2.7	38
64	Alteration of the number and percentage of innate immune cells in preschool children from an e-waste recycling area. Ecotoxicology and Environmental Safety, 2017, 145, 615-622.	2.9	37
65	Cadmium exposure and the risk of breast cancer in Chaoshan population of southeast China. Environmental Science and Pollution Research, 2015, 22, 19870-19878.	2.7	36
66	Elevated biomarkers of sympatho-adrenomedullary activity linked to e-waste air pollutant exposure in preschool children. Environment International, 2018, 115, 117-126.	4.8	36
67	Proteomic evaluation of human umbilical cord tissue exposed to polybrominated diphenyl ethers in an e-waste recycling area. Environment International, 2018, 111, 362-371.	4.8	36
68	Relationships between esophageal cancer and spatial environment factors by using Geographic Information System. Science of the Total Environment, 2008, 393, 219-225.	3.9	35
69	Downregulation of placental S100P is associated with cadmium exposure in Guiyu, an e-waste recycling town in China. Science of the Total Environment, 2011, 410-411, 53-58.	3.9	35
70	Blood Lead Levels and Associated Factors among Children in Guiyu of China: A Population-Based Study. PLoS ONE, 2014, 9, e105470.	1.1	35
71	Elevated lead levels from e-waste exposure are linked to sensory integration difficulties in preschool children. NeuroToxicology, 2019, 71, 150-158.	1.4	35
72	Lead and Cadmium Synergistically Enhance the Expression of Divalent Metal Transporter 1 Protein in Central Nervous System of Developing Rats. Neurochemical Research, 2009, 34, 1150-1156.	1.6	32

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73	Differential proteomic expression of human placenta and fetal development following e-waste lead and cadmium exposure in utero. Science of the Total Environment, 2016, 550, 1163-1170.	3.9	32
74	Alterations in platelet indices link polycyclic aromatic hydrocarbons toxicity to low-grade inflammation in preschool children. Environment International, 2019, 131, 105043.	4.8	32
75	Elevated Serum Polybrominated Diphenyl Ethers and Alteration of Thyroid Hormones in Children from Guiyu, China. PLoS ONE, 2014, 9, e113699.	1.1	31
76	Increased memory T cell populations in Pb-exposed children from an e-waste-recycling area. Science of the Total Environment, 2018, 616-617, 988-995.	3.9	31
77	Lead exposure is associated with risk of impaired coagulation in preschool children from an e-waste recycling area. Environmental Science and Pollution Research, 2018, 25, 20670-20679.	2.7	31
78	Association of urinary cadmium, circulating fatty acids, and risk of gestational diabetes mellitus: A nested case-control study in China. Environment International, 2020, 137, 105527.	4.8	31
79	Metal concentrations in pregnant women and neonates from informal electronic waste recycling. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 406-415.	1.8	30
80	Decreased erythrocyte CD44 and CD58 expression link e-waste Pb toxicity to changes in erythrocyte immunity in preschool children. Science of the Total Environment, 2019, 664, 690-697.	3.9	30
81	Antihypoxic Effects of Neuroglobin in Hypoxia-Preconditioned Mice and SH-SY5Y Cells. NeuroSignals, 2009, 17, 196-202.	0.5	28
82	Lead Affects Apoptosis and Related Gene XIAP and Smac Expression in the Hippocampus of Developing Rats. Neurochemical Research, 2010, 35, 473-479.	1.6	28
83	Chromium exposure among children from an electronic waste recycling town of China. Environmental Science and Pollution Research, 2015, 22, 1778-1785.	2.7	28
84	Neonatal phthalate ester exposure induced placental MTs, FATP1 and HFABP mRNA expression in two districts of southeast China. Scientific Reports, 2016, 6, 21004.	1.6	28
85	Connecting gastrointestinal cancer risk to cadmium and lead exposure in the Chaoshan population of Southeast China. Environmental Science and Pollution Research, 2018, 25, 17611-17619.	2.7	28
86	Elevated levels of lead exposure and impact on the anti-inflammatory ability of oral sialic acids among preschool children in e-waste areas. Science of the Total Environment, 2020, 699, 134380.	3.9	28
87	Hypoxic Preconditioning Improves Spatial Cognitive Ability in Mice. NeuroSignals, 2006, 15, 314-321.	0.5	27
88	Thyroid disruption and reduced mental development in children from an informal e-waste recycling area: A mediation analysis. Chemosphere, 2018, 193, 498-505.	4.2	27
89	Association of prenatal exposure to PAHs with anti-Müllerian hormone (AMH) levels and birth outcomes of newborns. Science of the Total Environment, 2020, 723, 138009.	3.9	27
90	The role of the PM2.5-associated metals in pathogenesis of child Mycoplasma Pneumoniae infections: a systematic review. Environmental Science and Pollution Research, 2016, 23, 10604-10614.	2.7	24

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91	Elevated expression of AhR and NLRP3 link polycyclic aromatic hydrocarbon exposure to cytokine storm in preschool children. Environment International, 2020, 139, 105720.	4.8	24
92	Environmental contamination and public health effects of electronic waste: an overview. Journal of Environmental Health Science & Engineering, 2021, 19, 1209-1227.	1.4	24
93	Blood cadmium burden and the risk of nasopharyngeal carcinoma: a case–control study in Chinese Chaoshan population. Environmental Science and Pollution Research, 2015, 22, 12323-12331.	2.7	23
94	Considerable decrease of antibody titers against measles, mumps, and rubella in preschool children from an e-waste recycling area. Science of the Total Environment, 2016, 573, 760-766.	3.9	23
95	Early-life exposure to widespread environmental toxicants and maternal-fetal health risk: A focus on metabolomic biomarkers. Science of the Total Environment, 2020, 739, 139626.	3.9	23
96	PM2.5-bound PAHs exposure linked with low plasma insulin-like growth factor 1 levels and reduced child height. Environment International, 2020, 138, 105660.	4.8	23
97	Increase male genital diseases morbidity linked to informal electronic waste recycling in Guiyu, China. Environmental Science and Pollution Research, 2014, 21, 3540-3545.	2.7	22
98	Attention-deficit/hyperactivity symptoms in preschool children from an E-waste recycling town: assessment by the parent report derived from DSM-IV. BMC Pediatrics, 2015, 15, 51.	0.7	21
99	Association between blood erythrocyte lead concentrations and hemoglobin levels in preschool children. Environmental Science and Pollution Research, 2015, 22, 9233-9240.	2.7	21
100	Chest circumference and birth weight are good predictors of lung function in preschool children from an e-waste recycling area. Environmental Science and Pollution Research, 2017, 24, 22613-22621.	2.7	21
101	An epigenome-wide association study identifies multiple DNA methylation markers of exposure to endocrine disruptors. Environment International, 2020, 144, 106016.	4.8	21
102	Risk assessment of PBDEs and PCBs in dust from an e-waste recycling area of China. Science of the Total Environment, 2022, 803, 150016.	3.9	21
103	Air pollution and body burden of persistent organic pollutants at an electronic waste recycling area of China. Environmental Geochemistry and Health, 2019, 41, 93-123.	1.8	20
104	Elevated lead levels in relation to low serum neuropeptide Y and adverse behavioral effects in preschool children with e-waste exposure. Chemosphere, 2021, 269, 129380.	4.2	19
105	Alterations of the gut microbiota and metabolomics in children with e-waste lead exposure. Journal of Hazardous Materials, 2022, 434, 128842.	6.5	19
106	Effect of simultaneous silencing of HPV-18 E6 and E7 on inducing apoptosis in HeLa cellsThis paper is one of a selection of papers published in this special issue entitled â€œSecond International Symposium on Recent Advances in Basic, Clinical, and Social Medicineâ€•and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2010, 88, 697-704.	0.9	18
107	ALAD genotypes and blood lead levels of neonates and children from e-waste exposure in Guiyu, China. Environmental Science and Pollution Research, 2014, 21, 6744-6750.	2.7	18
108	The association of PM2.5 with airway innate antimicrobial activities of salivary agglutinin and surfactant protein D. Chemosphere, 2019, 226, 915-923.	4.2	18

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109	PAH exposure is associated with enhanced risk for pediatric dyslipidemia through serum SOD reduction. Environment International, 2020, 145, 106132.	4.8	18
110	Genome-wide interaction study of gene-by-occupational exposures on respiratory symptoms. Environment International, 2019, 122, 263-269.	4.8	17
111	Relations of blood lead levels to echocardiographic left ventricular structure and function in preschool children. Chemosphere, 2021, 268, 128793.	4.2	17
112	High serum IgG subclass concentrations in children with e-waste Pb and Cd exposure. Science of the Total Environment, 2021, 764, 142806.	3.9	16
113	Alexithymia in Chinese chronic obstructive pulmonary disease (COPD) patients: The prevalence and related factors of alexithymia. Psychiatry Research, 2012, 198, 274-278.	1.7	15
114	Antioxidant alterations link polycyclic aromatic hydrocarbons to blood pressure in children. Science of the Total Environment, 2020, 732, 138944.	3.9	15
115	Environmental and health impacts of geochemical cycles of persistent toxic substances in food productions systems: Editorial to the special issue for the 8th International Conference on Geochemistry in the Topics & Sub-tropics (GeoTrop 2017). Environmental Geochemistry and Health, 2019, 41, 1-4.	1.8	14
116	Assessment of dust trace elements in an e-waste recycling area and related children's health risks. Science of the Total Environment, 2021, 791, 148154.	3.9	14
117	Assessment of association between the dopamine D2 receptor (DRD2) polymorphism and neurodevelopment of children exposed to lead. Environmental Science and Pollution Research, 2015, 22, 1786-1793.	2.7	13
118	Chronic cadmium exposure aggravates malignant phenotypes of nasopharyngeal carcinoma by activating the Wnt/β-catenin signaling pathway via hypermethylation of the casein kinase 1α promoter. Cancer Management and Research, 2018, Volume 11, 81-93.	0.9	13
119	Thyroid Hormone Status in Umbilical Cord Serum Is Positively Associated with Male Anogenital Distance. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 3378-3385.	1.8	11
120	E-waste polycyclic aromatic hydrocarbon (PAH) exposure leads to child gut-mucosal inflammation and adaptive immune response. Environmental Science and Pollution Research, 2021, 28, 53267-53281.	2.7	11
121	Increased intestinal permeability with elevated peripheral blood endotoxin and inflammatory indices for e-waste lead exposure in children. Chemosphere, 2021, 279, 130862.	4.2	11
122	Pb and Cd exposure linked with Il-10 and Il-13 gene polymorphisms in asthma risk relevant immunomodulation in children. Chemosphere, 2022, 294, 133656.	4.2	11
123	Association of circulating saturated fatty acids with the risk of pregnancy-induced hypertension: a nested case–control study. Hypertension Research, 2020, 43, 412-421.	1.5	9
124	Metabolomics insights into the prenatal exposure effects of polybrominated diphenyl ethers on neonatal birth outcomes. Science of the Total Environment, 2022, 836, 155601.	3.9	9
125	Interactions between polycyclic aromatic hydrocarbons and epoxide hydrolase 1 play roles in asthma. Environmental Geochemistry and Health, 2019, 41, 191-210.	1.8	8
126	Prenatal smoke effect on mouse offspring Igf1 promoter methylation from fetal stage to adulthood is organ and sex specific. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L549-L561.	1.3	8

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127	Filamentous-actins in human hepatocarcinoma cells with CLSM. World Journal of Gastroenterology, 2004, 10, 1666.	1.4	7
128	PM2.5 exposure inducing ATP alteration links with NLRP3 inflammasome activation. Environmental Science and Pollution Research, 2022, 29, 24445-24456.	2.7	7
129	Oral antimicrobial activity weakened in children with electronic waste lead exposure. Environmental Science and Pollution Research, 2020, 27, 14763-14770.	2.7	6
130	No convincing association between genetic markers and respiratory symptoms: results of a GWA study. Respiratory Research, 2017, 18, 11.	1.4	5
131	The Society for Environmental Geochemistry and Health (SEGH): building for the future. Environmental Geochemistry and Health, 2020, 42, 343-347.	1.8	5
132	Chaotic time series prediction for prenatal exposure to polychlorinated biphenyls in umbilical cord blood using the least squares SEATR model. Scientific Reports, 2016, 6, 25005.	1.6	4
133	Early-life exposure to widespread environmental toxicants and children's health risks: A focus on the post-vaccination antibody potency or immunoglobulin levels. Science of the Total Environment, 2021, 781, 146714.	3.9	4
134	Esophageal carcinoma 109 cell line is found positive in HPV type 18. Ecological Management and Restoration, 2007, 20, 362-363.	0.2	3
135	Combined toxicity of air pollutants related to e-waste on inflammatory cytokines linked with neurotransmitters and pediatric behavioral problems. Ecotoxicology and Environmental Safety, 2022, 239, 113657.	2.9	2
136	Maternal exposure to atmospheric PM2.5 and fetal brain development: Associations with BAI1 methylation and thyroid hormones. Environmental Pollution, 2022, , 119665.	3.7	2
137	Reply I. Cord blood androgen measurement: the importance of assay validation. Human Reproduction, 2017, 32, 1361-1362.	0.4	0