

Yunhui Zhang

List of Publications by Citations

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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.

70
papers

1,138
citations

20
h-index

31
g-index

72
ext. papers

1,561
ext. citations

8.2
avg, IF

4.86
L-index

#	Paper	IF	Citations
70	Characteristics and mechanisms of nickel adsorption on biochars produced from wheat straw pellets and rice husk. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 12809-12819	5.1	101
69	Lead-based paint remains a major public health concern: A critical review of global production, trade, use, exposure, health risk, and implications. <i>Environment International</i> , 2018 , 121, 85-101	12.9	92
68	Lead contamination in Chinese surface soils: Source identification, spatial-temporal distribution and associated health risks. <i>Critical Reviews in Environmental Science and Technology</i> , 2019 , 49, 1386-1423	11.1	61
67	Spatial distribution of lead contamination in soil and equipment dust at children's playgrounds in Beijing, China. <i>Environmental Pollution</i> , 2019 , 245, 363-370	9.3	50
66	An ultrasensitive electrochemical immunosensor for CEA using MWCNT-NH supported PdPt nanocages as labels for signal amplification. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2006-2011	7.3	48
65	Exposure to particulate air pollution during early pregnancy is associated with placental DNA methylation. <i>Science of the Total Environment</i> , 2017 , 607-608, 1103-1108	10.2	47
64	Phthalate exposure and childhood overweight and obesity: Urinary metabolomic evidence. <i>Environment International</i> , 2018 , 121, 159-168	12.9	42
63	Kinetic and equilibrium modelling of MTBE (methyl tert-butyl ether) adsorption on ZSM-5 zeolite: Batch and column studies. <i>Journal of Hazardous Materials</i> , 2018 , 347, 461-469	12.8	37
62	Adsorption of methyl tert-butyl ether (MTBE) onto ZSM-5 zeolite: Fixed-bed column tests, breakthrough curve modelling and regeneration. <i>Chemosphere</i> , 2019 , 220, 422-431	8.4	36
61	Elevated phthalates exposure in children with constitutional delay of growth and puberty. <i>Molecular and Cellular Endocrinology</i> , 2015 , 407, 67-73	4.4	35
60	Umbilical cord blood PBDEs concentrations are associated with placental DNA methylation. <i>Environment International</i> , 2016 , 97, 1-6	12.9	32
59	Site-specific methylation of placental HSD11B2 gene promoter is related to intrauterine growth restriction. <i>European Journal of Human Genetics</i> , 2014 , 22, 734-40	5.3	31
58	Lead-based paint in children's toys sold on China's major online shopping platforms. <i>Environmental Pollution</i> , 2018 , 241, 311-318	9.3	30
57	Personal exposure to PM constituents associated with gestational blood pressure and endothelial dysfunction. <i>Environmental Pollution</i> , 2019 , 250, 346-356	9.3	29
56	Determination of antibiotic concentration in meconium and its association with fetal growth and development. <i>Environment International</i> , 2019 , 123, 70-78	12.9	27
55	Comparison of nickel adsorption on biochars produced from mixed softwood and Miscanthus straw. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 14626-14635	5.1	26
54	Blood lead levels among Chinese children: The shifting influence of industry, traffic, and e-waste over three decades. <i>Environment International</i> , 2020 , 135, 105379	12.9	26

53	An ultrasensitive squamous cell carcinoma antigen biosensing platform utilizing double-antibody single-channel amplification strategy. <i>Biosensors and Bioelectronics</i> , 2015 , 72, 156-9	11.8	24
52	Determination and application of the solubility product of metal xanthate in mineral flotation and heavy metal removal in wastewater treatment. <i>Minerals Engineering</i> , 2018 , 127, 67-73	4.9	22
51	Synthesis, characterization and acid-base properties of kaolinite and metal (Fe, Mn, Co) doped kaolinite. <i>Applied Clay Science</i> , 2019 , 179, 105138	5.2	20
50	Electrochemiluminescence sensor based on cationic polythiophene derivative and NH ₂ graphene for dopamine detection. <i>RSC Advances</i> , 2015 , 5, 5432-5437	3.7	20
49	Structural equation modeling of PAHs in ambient air, dust fall, soil, and cabbage in vegetable bases of Northern China. <i>Environmental Pollution</i> , 2018 , 239, 13-20	9.3	18
48	Evaluating effects of prenatal exposure to phthalates on neonatal birth weight: Structural equation model approaches. <i>Chemosphere</i> , 2018 , 205, 674-681	8.4	17
47	Biochar and hydrochar derived from freshwater sludge: Characterization and possible applications. <i>Science of the Total Environment</i> , 2021 , 763, 144550	10.2	17
46	Paraoxonase 2 gene polymorphisms and prenatal phthalates exposure in Chinese newborns. <i>Environmental Research</i> , 2015 , 140, 354-9	7.9	15
45	An ultrasensitive electrochemical immunosensor for determination of estradiol using coraloid Cu ₂ S nanostructures as labels. <i>RSC Advances</i> , 2015 , 5, 6512-6517	3.7	15
44	Umbilical cord blood PBDEs concentrations in relation to placental size at birth. <i>Chemosphere</i> , 2018 , 201, 20-24	8.4	15
43	Multimedia fate and source apportionment of polycyclic aromatic hydrocarbons in a coking industry city in Northern China. <i>Environmental Pollution</i> , 2013 , 181, 115-21	9.3	14
42	Uptake of PAHs by cabbage root and leaf in vegetable plots near a large coking manufacturer and associations with PAHs in cabbage core. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 18953-18965	5.1	14
41	In utero and lactational exposure of DEHP increases the susceptibility of prostate carcinogenesis in male offspring through PSCA hypomethylation. <i>Toxicology Letters</i> , 2018 , 292, 78-84	4.4	13
40	GMCs stabilized/solidified Pb/Zn contaminated soil under different curing temperature: Physical and microstructural properties. <i>Chemosphere</i> , 2020 , 239, 124738	8.4	13
39	Predicting gestational personal exposure to PM from satellite-driven ambient concentrations in Shanghai. <i>Chemosphere</i> , 2019 , 233, 452-461	8.4	12
38	Associations between in utero exposure to polybrominated diphenyl ethers, pathophysiological state of fetal growth and placental DNA methylation changes. <i>Environment International</i> , 2019 , 133, 105255	12.9	12
37	GMCs stabilized/solidified Pb/Zn contaminated soil under different curing temperature: leachability and durability. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 26963-26971	5.1	9
36	Gas thermal remediation of an organic contaminated site: field trial. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 6038-6047	5.1	8

35	Prenatal vanadium exposure, cytokine expression, and fetal growth: A gender-specific analysis in Shanghai MCPC study. <i>Science of the Total Environment</i> , 2019 , 685, 1152-1159	10.2	8
34	Evaluation of PAHs in edible parts of vegetables and their human health risks in Jinzhong City, Shanxi Province, China: A multimedia modeling approach. <i>Science of the Total Environment</i> , 2021 , 773, 145076	10.2	8
33	Lactational exposure of polybrominated diphenyl ethers and its association with infant developmental measurements. <i>Journal of Hazardous Materials</i> , 2020 , 388, 122031	12.8	7
32	Hydrophobic bifunctionalized hexagonal mesoporous silicas as efficient adsorbents for the removal of Orange IV. <i>RSC Advances</i> , 2014 , 4, 49783-49788	3.7	7
31	Organic UV filter exposure and pubertal development: A prospective follow-up study of urban Chinese adolescents. <i>Environment International</i> , 2020 , 143, 105961	12.9	7
30	Prenatal exposure to ambient fine particulate matter and early childhood neurodevelopment: A population-based birth cohort study. <i>Science of the Total Environment</i> , 2021 , 785, 147334	10.2	7
29	Sustainable stabilization/solidification of the Pb, Zn, and Cd contaminated soil by red mud-derived binders. <i>Environmental Pollution</i> , 2021 , 284, 117178	9.3	7
28	Fate of UV filter Ethylhexyl methoxycinnamate in rat model and human urine: Metabolism, exposure and demographic associations. <i>Science of the Total Environment</i> , 2019 , 686, 729-736	10.2	6
27	Structural equation modeling of PAHs in surrounding environmental media and field yellow carrot in vegetable bases from Northern China: In comparison with field cabbage. <i>Science of the Total Environment</i> , 2020 , 717, 137261	10.2	6
26	Two-dimensional correlation analysis of continuous online in situ ATR-FTIR on the adsorption of heptyl xanthate at the surface of ZnS and Pb(II) activated ZnS. <i>Minerals Engineering</i> , 2019 , 144, 106019	4.9	5
25	Association between fetal growth restriction and maternal exposure to polybrominated diphenyl ethers. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 198, 110623	7	5
24	Intrauterine antibiotic exposure affected neonatal gut bacteria and infant growth speed. <i>Environmental Pollution</i> , 2021 , 289, 117901	9.3	5
23	Prenatal fine particulate matter exposure, placental DNA methylation changes, and fetal growth. <i>Environment International</i> , 2021 , 147, 106313	12.9	4
22	Comparison between CaO- and MgO-activated ground granulated blast-furnace slag (GGBS) for stabilization/solidification of Zn-contaminated clay slurry. <i>Chemosphere</i> , 2022 , 286, 131860	8.4	4
21	The surface sulphidization and wetting of lead oxide fine particles. <i>Minerals Engineering</i> , 2019 , 134, 241-249	4.9	3
20	Ball-milled magnetite for efficient arsenic decontamination: Insights into oxidation-adsorption mechanism.. <i>Journal of Hazardous Materials</i> , 2021 , 427, 128117	12.8	3
19	The use of biochar for sustainable treatment of contaminated soils 2020 , 119-167		3
18	Spectroscopic and Modeling Investigation of Sorption of Pb(II) to ZSM-5 Zeolites. <i>ACS ES&T Water</i> , 2021 , 1, 108-116		3

17	Machine learning for the prediction of heavy metal removal by chitosan-based flocculants.. <i>Carbohydrate Polymers</i> , 2022 , 285, 119240	10.3	2
16	Longitudinal Association of Maternal Pre-Pregnancy BMI and Third-Trimester Glycemia with Early Life Growth of Offspring: A Prospective Study among GDM-Negative Pregnant Women. <i>Nutrients</i> , 2021 , 13,	6.7	2
15	An efficient manganese-oxidizing fungus <i>Cladosporium halotolerans</i> strain XM01: Mn(II) oxidization and Cd adsorption behavior. <i>Chemosphere</i> , 2022 , 287, 132026	8.4	2
14	Carbonation treatment of gasification fly ash from municipal solid waste using sodium carbonate and sodium bicarbonate solutions.. <i>Environmental Pollution</i> , 2022 , 118906	9.3	1
13	Organic UV filters mixture exposure and childhood adiposity: A prospective follow-up study in China. <i>Environment International</i> , 2021 , 158, 106912	12.9	1
12	MgO-GGBS Binder Stabilized/Solidified PAE-Contaminated Soil: Strength and Leachability in Early Stage. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021 , 147, 04021059	3.4	1
11	Lead (Pb) sorption to hydrophobic and hydrophilic zeolites in the presence and absence of MTBE. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126528	12.8	1
10	PM exposure and maternal glucose metabolism in early pregnancy: Associations and potential mediation of 25-hydroxyvitamin D. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 224, 112645	7	1
9	Circulating metal concentrations, inflammatory cytokines and gestational weight gain: Shanghai MCPC cohort. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 199, 110697	7	0
8	Simultaneous removal of Pb and MTBE by mixed zeolites in fixed-bed column tests. <i>Journal of Environmental Sciences</i> , 2022 , 122, 41-49	6.4	0
7	Synthesis, characterization and adsorption behaviors of Faujasite-type zeolites towards methylene blue. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 592, 012017	0.4	0
6	SEBS-Polymer-Modified Slag Cement Bentonite for Resilient Slurry Walls. <i>Sustainability</i> , 2022 , 14, 2093	3.6	0
5	Use of superabsorbent polymer in soil-cement subsurface barriers for enhanced heavy metal sorption and self-healing.. <i>Science of the Total Environment</i> , 2022 , 154708	10.2	0
4	Characterization and comparison of gasification and incineration fly ashes generated from municipal solid waste in Singapore.. <i>Waste Management</i> , 2022 , 146, 44-52	8.6	0
3	Associations of maternal prenatal emotional symptoms with neurodevelopment of children and the neonatal meconium microbiota: A prospective cohort study.. <i>Psychoneuroendocrinology</i> , 2022 , 142, 105787	5	0
2	The role of freshwater sludge and its carbonaceous derivatives in the removal of lead, phosphorus and antibiotic enrofloxacin: Sorption characteristics and performance.. <i>Chemosphere</i> , 2021 , 290, 133298	8.4	
1	Breakthrough Curve Modelling of ZSM-5 Zeolite Packed Fixed-Bed Columns for the Removal of MTBE. <i>Environmental Science and Engineering</i> , 2019 , 724-730	0.2	