

Xiao-San Luo

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.

55
papers

2,446
citations

25
h-index

49
g-index

57
ext. papers

2,927
ext. citations

7
avg, IF

5.27
L-index

#	Paper	IF	Citations
55	Trace metal contamination in urban soils of China. <i>Science of the Total Environment</i> , 2012 , 421-422, 17-30	10.2	353
54	Incorporating bioaccessibility into human health risk assessments of heavy metals in urban park soils. <i>Science of the Total Environment</i> , 2012 , 424, 88-96	10.2	303
53	Distribution, availability, and sources of trace metals in different particle size fractions of urban soils in Hong Kong: Implications for assessing the risk to human health. <i>Environmental Pollution</i> , 2011 , 159, 1317-26	9.3	202
52	Source identification and apportionment of heavy metals in urban soil profiles. <i>Chemosphere</i> , 2015 , 127, 152-7	8.4	179
51	The mobility, bioavailability, and human bioaccessibility of trace metals in urban soils of Hong Kong. <i>Applied Geochemistry</i> , 2012 , 27, 995-1004	3.5	114
50	Urban soil and human health: a review. <i>European Journal of Soil Science</i> , 2018 , 69, 196-215	3.4	94
49	Inconsistency and comprehensiveness of risk assessments for heavy metals in urban surface sediments. <i>Chemosphere</i> , 2011 , 85, 1080-7	8.4	94
48	Seasonal Disparities in Airborne Bacteria and Associated Antibiotic Resistance Genes in PM2.5 between Urban and Rural Sites. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 74-79	11	87
47	Contamination and source differentiation of Pb in park soils along an urban-rural gradient in Shanghai. <i>Environmental Pollution</i> , 2011 , 159, 3536-44	9.3	82
46	Bacteria and Antibiotic Resistance Genes (ARGs) in PM from China: Implications for Human Exposure. <i>Environmental Science & Technology</i> , 2019 , 53, 963-972	10.3	66
45	Effect of cations on copper toxicity to wheat root: implications for the biotic ligand model. <i>Chemosphere</i> , 2008 , 73, 401-6	8.4	64
44	Adsorption and cosorption of cadmium and glyphosate on two soils with different characteristics. <i>Chemosphere</i> , 2004 , 57, 1237-44	8.4	60
43	Cell membrane surface potential (ψ^0) plays a dominant role in the phytotoxicity of copper and arsenate. <i>Plant Physiology</i> , 2008 , 148, 2134-43	6.6	55
42	Impacts of atmospheric particulate matter pollution on environmental biogeochemistry of trace metals in soil-plant system: A review. <i>Environmental Pollution</i> , 2019 , 255, 113138	9.3	50
41	Solid/solution partitioning and speciation of heavy metals in the contaminated agricultural soils around a copper mine in eastern Nanjing city, China. <i>Journal of Hazardous Materials</i> , 2006 , 131, 19-27	12.8	49
40	Airborne particulate matter pollution in urban China: a chemical mixture perspective from sources to impacts. <i>National Science Review</i> , 2017 , 4, 593-610	10.8	48
39	Summer-winter differences of PM toxicity to human alveolar epithelial cells (A549) and the roles of transition metals. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 165, 505-509	7	43

38	Evaluation of zinc oxide nanoparticles on lettuce (<i>Lactuca sativa</i> L.) growth and soil bacterial community. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 6026-6035	5.1	41
37	Effects of Zn-complexes on zinc uptake by wheat (<i>Triticum aestivum</i>) roots: a comprehensive consideration of physical, chemical and biological processes on biouptake. <i>Plant and Soil</i> , 2009 , 316, 177-192	4.2	33
36	Subcellular distribution of Cd and Pb in earthworm <i>Eisenia fetida</i> as affected by Ca ²⁺ ions and Cd-Pb interaction. <i>Ecotoxicology and Environmental Safety</i> , 2008 , 71, 632-7	7	32
35	Deciphering source contributions of trace metal contamination in urban soil, road dust, and foliar dust of Guangzhou, southern China. <i>Science of the Total Environment</i> , 2019 , 695, 133596	10.2	30
34	Health risk-oriented source apportionment of PM-associated trace metals. <i>Environmental Pollution</i> , 2020 , 262, 114655	9.3	28
33	Pulmonary bioaccessibility of trace metals in PM from different megacities simulated by lung fluid extraction and DGT method. <i>Chemosphere</i> , 2019 , 218, 915-921	8.4	28
32	Effect of major cations and pH on the acute toxicity of cadmium to the earthworm <i>Eisenia fetida</i> : implications for the biotic ligand model approach. <i>Archives of Environmental Contamination and Toxicology</i> , 2008 , 55, 70-7	3.2	26
31	Seasonally varied cytotoxicity of organic components in PM from urban and industrial areas of a Chinese megacity. <i>Chemosphere</i> , 2019 , 230, 424-431	8.4	25
30	Mineral Dietary Supplement To Decrease Cadmium Relative Bioavailability in Rice Based on a Mouse Bioassay. <i>Environmental Science & Technology</i> , 2017 , 51, 12123-12130	10.3	24
29	The foliar spray of <i>Rhodospseudomonas palustris</i> grown under Stevia residue extract promotes plant growth via changing soil microbial community. <i>Journal of Soils and Sediments</i> , 2016 , 16, 916-923	3.4	21
28	Barrier effects of remote high mountain on atmospheric metal transport in the eastern Tibetan Plateau. <i>Science of the Total Environment</i> , 2018 , 628-629, 687-696	10.2	19
27	Seasonal Levels, Sources, and Health Risks of Heavy Metals in Atmospheric PM _{2.5} from Four Functional Areas of Nanjing City, Eastern China. <i>Atmosphere</i> , 2019 , 10, 419	2.7	19
26	Spatio-temporal variations and factors of a provincial PM pollution in eastern China during 2013-2017 by geostatistics. <i>Scientific Reports</i> , 2019 , 9, 3613	4.9	18
25	Elevated CO and temperature increase grain oil concentration but their impacts on grain yield differ between soybean and maize grown in a temperate region. <i>Science of the Total Environment</i> , 2019 , 666, 405-413	10.2	16
24	Free cupric ions in contaminated agricultural soils around a copper mine in eastern Nanjing City, China. <i>Journal of Environmental Sciences</i> , 2006 , 18, 927-31	6.4	15
23	Inclusive development and agricultural adaptation to climate change. <i>Current Opinion in Environmental Sustainability</i> , 2017 , 24, 78-83	7.2	14
22	In-vitro human lung cell injuries induced by urban PM during a severe air pollution episode: Variations associated with particle components. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 206, 111406	7	14
21	National pattern for heavy metal contamination of topsoil in remote farmland impacted by haze pollution in China. <i>Atmospheric Research</i> , 2016 , 170, 34-40	5.4	12

20	Biomonitoring trace element contamination impacted by atmospheric deposition in China's remote mountains. <i>Atmospheric Research</i> , 2019 , 224, 30-41	5.4	11
19	Seasonal characteristics and health risks of PM-bound organic pollutants in industrial and urban areas of a China megacity. <i>Journal of Environmental Management</i> , 2019 , 245, 273-281	7.9	10
18	Antagonistic Interactions between Arsenic, Lead, and Cadmium in the Mouse Gastrointestinal Tract and Their Influences on Metal Relative Bioavailability in Contaminated Soils. <i>Environmental Science & Technology</i> , 2019 , 53, 14264-14272	10.3	10
17	In vitro assessments of bioaccessibility and bioavailability of PM trace metals in respiratory and digestive systems and their oxidative potential. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124638	12.8	10
16	Evaluating the biotic ligand model for toxicity and the alleviation of toxicity in terms of cell membrane surface potential. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 1503-11	3.8	9
15	The cytotoxicity and genotoxicity of PM during a snowfall event in different functional areas of a megacity. <i>Science of the Total Environment</i> , 2020 , 741, 140267	10.2	8
14	Effects of elevated carbon dioxide on metal transport in soil-crop system: results from a field rice and wheat experiment. <i>Journal of Soils and Sediments</i> , 2019 , 19, 3742-3748	3.4	6
13	Geogenic nickel exposure from food consumption and soil ingestion: A bioavailability based assessment. <i>Environmental Pollution</i> , 2020 , 265, 114873	9.3	4
12	Effects of Irrigation Water Salinity on the Growth, Gas Exchange Parameters, and Ion Concentration of Hot Pepper Plants Modified by Leaching Fractions. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018 , 53, 1050-1055	2.4	4
11	Spatial Distribution and Source Apportionment of Agricultural Soil Heavy Metals in a Rapidly Developing Area in East China. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021 , 106, 33-39	2.7	4
10	Isomerization and Degradation of Levoglucosan via the Photo-Fenton Process: Insights from Aqueous-Phase Experiments and Atmospheric Particulate Matter. <i>Environmental Science & Technology</i> , 2020 , 54, 11789-11797	10.3	2
9	The Contrasting Effects of Alum-Treated Chicken Manures and KH ₂ PO ₄ on Phosphorus Behavior in Soils. <i>Journal of Environmental Quality</i> , 2018 , 47, 345-352	3.4	2
8	Cadmium oral bioavailability is affected by calcium and phytate contents in food: Evidence from leafy vegetables in mice. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127373	12.8	2
7	Biochar-Polylactic Acid Composite Accelerated Reductive Dechlorination of Hexachlorobenzene in Paddy Soils under Neutral pH Condition. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021 , 106, 175-182	2.7	2
6	Sedimentary organic-13C revealed dispersal patterns of <i>Spartina alterniflora</i> intra- and inter-estuary in China. <i>Ecological Engineering</i> , 2015 , 85, 95-102	3.9	1
5	Environmental Biogeochemistry of Elements and Emerging Contaminants. <i>Journal of Chemistry</i> , 2018 , 2018, 1-2	2.3	1
4	Seasonal and areal variability in PM poses differential degranulation and pro-inflammatory effects on RBL-2H3 cells. <i>Chemosphere</i> , 2021 , 279, 130919	8.4	1
3	Insight into urban PM chemical composition and environmentally persistent free radicals attributed human lung epithelial cytotoxicity. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 234, 113356	7	1

- 2 Overview and Research Progresses in Chemical Speciation and In Vitro Bioaccessibility Analyses of Airborne Particulate Trace Metals. *Current Pollution Reports*,1 7.6 ○
- 1 Toxicity assessment and heavy metal components of inhalable particulate matters (PM2.5 & PM10) during a dust storm invading the city. *Chemical Engineering Research and Design*, **2022**, 162, 859-866 5.5 ○