Hong-bo Li

List of Publications by Citations

70 papers	2,017 citations	27 h-index	43 g-index
71 ext. papers	2,546 ext. citations	9.8 avg, IF	5 L-index

#	Paper	IF	Citations
70	Incorporating bioaccessibility into human health risk assessments of heavy metals in urban park soils. *Science of the Total Environment*, **2012**, 424, 88-96	10.2	303
69	Biochar increases arsenic release from an anaerobic paddy soil due to enhanced microbial reduction of iron and arsenic. *Environmental Pollution*, **2017**, 220, 514-522	9.3	98
68	Contamination and source differentiation of Pb in park soils along an urban-rural gradient in Shanghai. *Environmental Pollution*, **2011**, 159, 3536-44	9.3	82
67	Assessment of in vitro lead bioaccessibility in house dust and its relationship to in vivo lead relative bioavailability. *Environmental Science & Technology*, **2014**, 48, 8548-55	10.3	81
66	Lead bioaccessibility in 12 contaminated soils from China: Correlation to lead relative bioavailability and lead in different fractions. *Journal of Hazardous Materials*, **2015**, 295, 55-62	12.8	76
65	A label-free and portable graphene FET aptasensor for children blood lead detection. *Scientific Reports*, **2016**, 6, 21711	4.9	70
64	Biochar decreases nitrogen oxide and enhances methane emissions via altering microbial community composition of anaerobic paddy soil. *Science of the Total Environment*, **2017**, 581-582, 689-696	10.2	60
63	Influence of pollution control on lead inhalation bioaccessibility in PM2.5: A case study of 2014 Youth Olympic Games in Nanjing. *Environment International*, **2016**, 94, 69-75	12.9	54
62	Urbanization increased metal levels in lake surface sediment and catchment topsoil of waterscape parks. *Science of the Total Environment*, **2012**, 432, 202-9	10.2	52
61	Assessment of cadmium bioaccessibility to predict its bioavailability in contaminated soils. *Environment International*, **2016**, 94, 600-606	12.9	51
60	Mechanisms of arsenic disruption on gonadal, adrenal and thyroid endocrine systems in humans: A review. *Environment International*, **2016**, 95, 61-8	12.9	50
59	Mechanisms of efficient As solubilization in soils and As accumulation by As-hyperaccumulator Pteris vittata. *Environmental Pollution*, **2017**, 227, 569-577	9.3	49
58	Effect of lead pollution control on environmental and childhood blood lead level in Nantong, China: an interventional study. *Environmental Science & Technology*, **2014**, 48, 12930-6	10.3	43
57	Arsenic bioaccessibility in contaminated soils: Coupling in vitro assays with sequential and HNO3 extraction. *Journal of Hazardous Materials*, **2015**, 295, 145-52	12.8	42
56	Bacterial community composition at anodes of microbial fuel cells for paddy soils: the effects of soil properties. *Journal of Soils and Sediments*, **2015**, 15, 926-936	3.4	41
55	Arsenic Relative Bioavailability in Contaminated Soils: Comparison of Animal Models, Dosing Schemes, and Biological End Points. *Environmental Science & Technology*, **2016**, 50, 453-61	10.3	39
54	Arsenic Relative Bioavailability in Rice Using a Mouse Arsenic Urinary Excretion Bioassay and Its Application to Assess Human Health Risk. *Environmental Science & Technology*, **2017**, 51, 4689-4696	10.3	38

53	Applying Cadmium Relative Bioavailability to Assess Dietary Intake from Rice to Predict Cadmium Urinary Excretion in Nonsmokers. *Environmental Science & Technology*, **2017**, 51, 6756-6764	10.3	37
52	In vitro bioaccessibility and in vivo relative bioavailability in 12 contaminated soils: Method comparison and method development. *Science of the Total Environment*, **2015**, 532, 812-20	10.2	35
51	Straw enhanced CO2 and CH4 but decreased N2O emissions from flooded paddy soils: Changes in microbial community compositions. *Atmospheric Environment*, **2018**, 174, 171-179	5.3	35
50	Effect of phosphate amendment on relative bioavailability and bioaccessibility of lead and arsenic in contaminated soils. *Journal of Hazardous Materials*, **2017**, 339, 256-263	12.8	34
49	Childhood lead exposure in an industrial town in China: coupling stable isotope ratios with bioaccessible lead. *Environmental Science & Technology*, **2015**, 49, 5080-7	10.3	32
48	Correlation of in vivo relative bioavailability to in vitro bioaccessibility for arsenic in household dust from China and its implication for human exposure assessment. *Environmental Science & Technology*, **2014**, 48, 13652-9	10.3	30
47	Arsenic, lead, and cadmium bioaccessibility in contaminated soils: Measurements and validations. *Critical Reviews in Environmental Science and Technology*, **2020**, 50, 1303-1338	11.1	30
46	Arsenic extraction and speciation in plants: Method comparison and development. *Science of the Total Environment*, **2015**, 523, 138-45	10.2	29
45	Oral Bioavailability of As, Pb, and Cd in Contaminated Soils, Dust, and Foods based on Animal Bioassays: A Review. *Environmental Science & Technology*, **2019**, 53, 10545-10559	10.3	28
44	Pulmonary bioaccessibility of trace metals in PM from different megacities simulated by lung fluid extraction and DGT method. *Chemosphere*, **2019**, 218, 915-921	8.4	28
43	Comparison of arsenic bioaccessibility in housedust and contaminated soils based on four in vitro assays. *Science of the Total Environment*, **2015**, 532, 803-11	10.2	27
42	Mineral Dietary Supplement To Decrease Cadmium Relative Bioavailability in Rice Based on a Mouse Bioassay. *Environmental Science & Technology*, **2017**, 51, 12123-12130	10.3	24
41	Using the SBRC Assay to Predict Lead Relative Bioavailability in Urban Soils: Contaminant Source and Correlation Model. *Environmental Science & Technology*, **2016**, 50, 4989-96	10.3	23
40	Coupling bioavailability and stable isotope ratio to discern dietary and non-dietary contribution of metal exposure to residents in mining-impacted areas. *Environment International*, **2018**, 120, 563-571	12.9	23
39	Spatial distribution and historical records of mercury sedimentation in urban lakes under urbanization impacts. *Science of the Total Environment*, **2013**, 445-446, 117-25	10.2	22
38	Short-term exposure of arsenite disrupted thyroid endocrine system and altered gene transcription in the HPT axis in zebrafish. *Environmental Pollution*, **2015**, 205, 145-52	9.3	21
37	Arsenic Concentrations, Speciation, and Localization in 141 Cultivated Market Mushrooms: Implications for Arsenic Exposure to Humans. *Environmental Science & Technology*, **2019**, 53, 503-511	10.3	21
36	Variability in responses of bacterial communities and nitrogen oxide emission to urea fertilization among various flooded paddy soils. *FEMS Microbiology Ecology*, **2015**, 91,	4.3	20

35	Seasonal Levels, Sources, and Health Risks of Heavy Metals in Atmospheric PM2.5 from Four Functional Areas of Nanjing City, Eastern China. *Atmosphere*, **2019**, 10, 419	2.7	19
34	Arsanilic acid contributes more to total arsenic than roxarsone in chicken meat from Chinese markets. *Journal of Hazardous Materials*, **2020**, 383, 121178	12.8	18
33	Lead Relative Bioavailability in Lip Products and Their Potential Health Risk to Women. *Environmental Science & Technology*, **2016**, 50, 6036-43	10.3	17
32	The effects of mariculture activities on the adsorption/desorption and chemical fractionations of mercury on sediments. *Marine Pollution Bulletin*, **2012**, 64, 836-43	6.7	16
31	An interventional study of rice for reducing cadmium exposure in a Chinese industrial town. *Environment International*, **2019**, 122, 301-309	12.9	16
30	Lead relative bioavailability in soils based on different endpoints of a mouse model. *Journal of Hazardous Materials*, **2017**, 326, 94-100	12.8	15
29	Food influence on lead relative bioavailability in contaminated soils: Mechanisms and health implications. *Journal of Hazardous Materials*, **2018**, 358, 427-433	12.8	15
28	Contamination, source, and input route of polycyclic aromatic hydrocarbons in historic wastewater-irrigated agricultural soils. *Journal of Environmental Monitoring*, **2012**, 14, 3076-85		14
27	In-vitro human lung cell injuries induced by urban PM during a severe air pollution episode: Variations associated with particle components. *Ecotoxicology and Environmental Safety*, **2020**, 206, 111406	7	14
26	As, Cd, and Pb relative bioavailability in contaminated soils: Coupling mouse bioassay with UBM assay. *Environment International*, **2019**, 130, 104875	12.9	13
25	Thyrotoxicity of arsenate and arsenite on juvenile mice at organism, subcellular, and gene levels under low exposure. *Chemosphere*, **2017**, 186, 580-587	8.4	13
24	Temporal dynamics of urbanization-driven environmental changes explored by metal contamination in surface sediments in a restoring urban wetland park. *Journal of Hazardous Materials*, **2016**, 309, 228-35	12.8	12
23	Linking elevated blood lead level in urban school-aged children with bioaccessible lead in neighborhood soil. *Environmental Pollution*, **2020**, 261, 114093	9.3	10
22	Antagonistic Interactions between Arsenic, Lead, and Cadmium in the Mouse Gastrointestinal Tract and Their Influences on Metal Relative Bioavailability in Contaminated Soils. *Environmental Science & Technology*, **2019**, 53, 14264-14272	10.3	10
21	In vitro assessments of bioaccessibility and bioavailability of PM trace metals in respiratory and digestive systems and their oxidative potential. *Journal of Hazardous Materials*, **2021**, 409, 124638	12.8	10
20	The Influence of Food on the Bioavailability of DDT and Its Metabolites in Soil. *Environmental Science & Technology*, **2020**, 54, 5003-5010	10.3	9
19	Pteris vittata coupled with phosphate rock effectively reduced As and Cd uptake by water spinach from contaminated soil. *Chemosphere*, **2020**, 247, 125916	8.4	8
18	Diversity and Characterization of Potential H2-Dependent Fe(III)-Reducing Bacteria in Paddy Soils. *Pedosphere*, **2012**, 22, 673-680	5	8

17	Lead bioavailability in different fractions of mining- and smelting-contaminated soils based on a sequential extraction and mouse kidney model. *Environmental Pollution*, **2020**, 262, 114253	9.3	7
16	Adverse health effects of lead exposure on physical growth, erythrocyte parameters and school performances for school-aged children in eastern China. *Environment International*, **2020**, 145, 106130	12.9	7
15	Metals in paints on chopsticks: Solubilization in simulated saliva, gastric, and food solutions and implication for human health. *Environmental Research*, **2018**, 167, 299-306	7.9	6
14	Comparison of in vitro models in a mice model and investigation of the changes in Pb speciation during Pb bioavailability assessments. *Journal of Hazardous Materials*, **2020**, 388, 121744	12.8	6
13	Antibiotic exposure decreases soil arsenic oral bioavailability in mice by disrupting ileal microbiota and metabolic profile. *Environment International*, **2021**, 151, 106444	12.9	6
12	Investigating Lead Species and Bioavailability in Contaminated Soils: Coupling DGT Technique with Artificial Gastrointestinal Extraction and in Vivo Bioassay. *Environmental Science & Technology*, **2019**, 53, 5717-5724	10.3	5
11	Geogenic nickel exposure from food consumption and soil ingestion: A bioavailability based assessment. *Environmental Pollution*, **2020**, 265, 114873	9.3	4
10	Straw decreased N2O emissions from flooded paddy soils via altering denitrifying bacterial community compositions and soil organic carbon fractions. *FEMS Microbiology Ecology*, **2020**, 96,	4.3	3
9	An interlaboratory evaluation of the variability in arsenic and lead relative bioavailability when assessed using a mouse bioassay. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2021**, 84, 593-607	3.2	3
8	Arsenic bioaccessibility in rice grains via modified physiologically-based extraction test (MPBET): Correlation with mineral elements and comparison with As relative bioavailability. *Environmental Research*, **2021**, 198, 111198	7.9	2
7	Cadmium oral bioavailability is affected by calcium and phytate contents in food: Evidence from leafy vegetables in mice. *Journal of Hazardous Materials*, **2022**, 424, 127373	12.8	2
6	Leaching and Bioavailability of Antimony in PET Bottled Beverages. *Environmental Science & Technology*, **2021**, 55, 15227-15235	10.3	1
5	Coupling in vitro assays with sequential extraction to investigate cadmium bioaccessibility in contaminated soils. *Chemosphere*, **2021**, 132655	8.4	0
4	Bioimaging of Pb by LA-ICP-MS and Pb isotopic compositions reveal distributions and origins of Pb in wheat grain. *Science of the Total Environment*, **2022**, 802, 149729	10.2	0
3	Influence of Dietary Lipid Type on the Bioavailability of DDT and Its Metabolites in Soil: Mechanisms and Health Implications.. *Environmental Science & Technology*, **2022**, 56, 5102-5110	10.3	0
2	Nickel oral bioavailability in contaminated soils using a mouse urinary excretion bioassay: Variation with bioaccessibility. *Science of the Total Environment*, **2022**, 839, 156366	10.2	0
1	Application of Oral Bioavailability to Remediation of Contaminated Soils: Method Development for Bioaccessible As, Pb, and Cd **2018**, 189-216		