

Xiangdong Li

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4332173/xiangdong-li-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

241
papers

22,005
citations

78
h-index

143
g-index

255
ext. papers

24,480
ext. citations

8.2
avg. IF

6.96
L-index

#	Paper	IF	Citations
241	The Holocene Asian monsoon: links to solar changes and North Atlantic climate. <i>Science</i> , 2005 , 308, 854-859	33.3	1771
240	Heavy metal contamination of urban soils and street dusts in Hong Kong. <i>Applied Geochemistry</i> , 2001 , 16, 1361-1368	3.5	754
239	Metal contamination in urban, suburban, and country park soils of Hong Kong: a study based on GIS and multivariate statistics. <i>Science of the Total Environment</i> , 2006 , 356, 45-61	10.2	751
238	Heavy metals in agricultural soils of the Pearl River Delta, South China. <i>Environmental Pollution</i> , 2002 , 119, 33-44	9.3	517
237	Heavy metal contamination in soils and vegetables near an e-waste processing site, South China. <i>Journal of Hazardous Materials</i> , 2011 , 186, 481-90	12.8	470
236	Occurrence and elimination of antibiotics at four sewage treatment plants in the Pearl River Delta (PRD), South China. <i>Water Research</i> , 2007 , 41, 4526-34	12.5	459
235	Urban environmental geochemistry of trace metals. <i>Environmental Pollution</i> , 2006 , 142, 1-16	9.3	439
234	The use of chelating agents in the remediation of metal-contaminated soils: a review. <i>Environmental Pollution</i> , 2008 , 153, 3-13	9.3	394
233	Determination of selected antibiotics in the Victoria Harbour and the Pearl River, South China using high-performance liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Environmental Pollution</i> , 2007 , 145, 672-9	9.3	380
232	Trace metal distribution in sediments of the Pearl River Estuary and the surrounding coastal area, South China. <i>Environmental Pollution</i> , 2007 , 147, 311-23	9.3	377
231	Enhanced phytoextraction of Cu, Pb, Zn and Cd with EDTA and EDDS. <i>Chemosphere</i> , 2005 , 59, 1-11	8.4	372
230	The study of metal contamination in urban soils of Hong Kong using a GIS-based approach. <i>Environmental Pollution</i> , 2004 , 129, 113-24	9.3	359
229	Trace metal contamination in urban soils of China. <i>Science of the Total Environment</i> , 2012 , 421-422, 17-30	10.2	353
228	Multivariate statistical study of heavy metal enrichment in sediments of the Pearl River Estuary. <i>Environmental Pollution</i> , 2003 , 121, 377-88	9.3	315
227	Sedimentary records of DDT and HCH in the Pearl River Delta, South China. <i>Environmental Science & Technology</i> , 2002 , 36, 3671-7	10.3	299
226	Multifunctional iron-biochar composites for the removal of potentially toxic elements, inherent cations, and hetero-chloride from hydraulic fracturing wastewater. <i>Environment International</i> , 2019 , 124, 521-532	12.9	287
225	Heavy metal distribution in sediment profiles of the Pearl River estuary, South China. <i>Applied Geochemistry</i> , 2000 , 15, 567-581	3.5	282

224	Chemical partitioning of trace and major elements in soils contaminated by mining and smelting activities. <i>Applied Geochemistry</i> , 2001 , 16, 1693-1706	3.5	277
223	Sequential extraction of soils for multielement analysis by ICP-AES. <i>Chemical Geology</i> , 1995 , 124, 109-123	4.2	268
222	Heavy metal speciation and leaching behaviors in cement based solidified/stabilized waste materials. <i>Journal of Hazardous Materials</i> , 2001 , 82, 215-30	12.8	262
221	Chemical forms of Pb, Zn and Cu in the sediment profiles of the Pearl River Estuary. <i>Marine Pollution Bulletin</i> , 2001 , 42, 215-23	6.7	254
220	Source seasonality of polycyclic aromatic hydrocarbons (PAHs) in a subtropical city, Guangzhou, South China. <i>Science of the Total Environment</i> , 2006 , 355, 145-55	10.2	247
219	Metagenomic profiles of antibiotic resistance genes (ARGs) between human impacted estuary and deep ocean sediments. <i>Environmental Science & Technology</i> , 2013 , 47, 12753-60	10.3	236
218	Lead phytoextraction from contaminated soil with high-biomass plant species. <i>Journal of Environmental Quality</i> , 2002 , 31, 1893-900	3.4	228
217	Concentrations, enantiomeric compositions, and sources of HCH, DDT and chlordane in soils from the Pearl River Delta, South China. <i>Science of the Total Environment</i> , 2006 , 372, 215-24	10.2	224
216	Atmospheric deposition of heavy metals in the Pearl River Delta, China. <i>Atmospheric Environment</i> , 2003 , 37, 767-776	5.3	224
215	The use of vetiver grass (<i>Vetiveria zizanioides</i>) in the phytoremediation of soils contaminated with heavy metals. <i>Applied Geochemistry</i> , 2004 , 19, 1553-1565	3.5	222
214	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
213	Arsenic contamination and potential health risk implications at an abandoned tungsten mine, southern China. <i>Environmental Pollution</i> , 2010 , 158, 820-6	9.3	185
212	PM in the Yangtze River Delta, China: Chemical compositions, seasonal variations, and regional pollution events. <i>Environmental Pollution</i> , 2017 , 223, 200-212	9.3	180
211	An Imperative Need for Research on the Role of Environmental Factors in Transmission of Novel Coronavirus (COVID-19). <i>Environmental Science & Technology</i> , 2020 , 54, 3730-3732	10.3	178
210	Heavy metals and Pb isotopic composition of aerosols in urban and suburban areas of Hong Kong and Guangzhou, South China: Evidence of the long-range transport of air contaminants. <i>Atmospheric Environment</i> , 2007 , 41, 432-447	5.3	178
209	The distribution and partitioning of common antibiotics in water and sediment of the Pearl River Estuary, South China. <i>Chemosphere</i> , 2013 , 92, 1410-6	8.4	170
208	Organochlorine pesticides in the atmosphere of Guangzhou and Hong Kong: Regional sources and long-range atmospheric transport. <i>Atmospheric Environment</i> , 2007 , 41, 3889-3903	5.3	165
207	Leaching and uptake of heavy metals by ten different species of plants during an EDTA-assisted phytoextraction process. <i>Chemosphere</i> , 2004 , 57, 187-96	8.4	163

206	Bioaccumulation of heavy metals by the aquatic plants <i>Potamogeton pectinatus</i> L. and <i>Potamogeton malaianus</i> Miq. and their potential use for contamination indicators and in wastewater treatment. <i>Science of the Total Environment</i> , 2008 , 392, 22-9	10.2	161
205	Organic contamination and remediation in the agricultural soils of China: A critical review. <i>Science of the Total Environment</i> , 2018 , 615, 724-740	10.2	152
204	Heavy metal and Pb isotopic compositions of aquatic organisms in the Pearl River Estuary, South China. <i>Environmental Pollution</i> , 2005 , 138, 494-504	9.3	146
203	Toward a Comprehensive Strategy to Mitigate Dissemination of Environmental Sources of Antibiotic Resistance. <i>Environmental Science & Technology</i> , 2017 , 51, 13061-13069	10.3	144
202	Heavy metal contamination and distribution in the urban environment of Guangzhou, SE China. <i>Environmental Geochemistry and Health</i> , 2006 , 28, 375-91	4.7	143
201	Seasonal patterns and current sources of DDTs, chlordanes, hexachlorobenzene, and endosulfan in the atmosphere of 37 Chinese cities. <i>Environmental Science & Technology</i> , 2009 , 43, 1316-21	10.3	139
200	Over one hundred years of trace metal fluxes in the sediments of the Pearl River Estuary, South China. <i>Environmental Pollution</i> , 2004 , 132, 157-72	9.3	133
199	The copper tolerance mechanisms of <i>Elsholtzia haichowensis</i> , a plant from copper-enriched soils. <i>Environmental and Experimental Botany</i> , 2004 , 51, 111-120	5.9	131
198	Differentiating anthropogenic impacts on ARGs in the Pearl River Estuary by using suitable gene indicators. <i>Water Research</i> , 2013 , 47, 2811-20	12.5	130
197	The role of class I integrons in the dissemination of sulfonamide resistance genes in the Pearl River and Pearl River Estuary, South China. <i>Journal of Hazardous Materials</i> , 2015 , 282, 61-7	12.8	129
196	Characterization of PBDEs in soils and vegetations near an e-waste recycling site in South China. <i>Environmental Pollution</i> , 2011 , 159, 2443-8	9.3	128
195	Levels and mass burden of DDTs in sediments from fishing harbors: the importance of DDT-containing antifouling paint to the coastal environment of China. <i>Environmental Science & Technology</i> , 2009 , 43, 8033-8	10.3	128
194	Levels and bioaccumulation of organochlorine pesticides (OCPs) and polybrominated diphenyl ethers (PBDEs) in fishes from the Pearl River estuary and Daya Bay, South China. <i>Environmental Pollution</i> , 2008 , 152, 604-11	9.3	125
193	Sedimentary record of polycyclic aromatic hydrocarbons in a sediment core from the Pearl River Estuary, South China. <i>Marine Pollution Bulletin</i> , 2005 , 51, 912-21	6.7	124
192	EDDS and EDTA-enhanced phytoextraction of metals from artificially contaminated soil and residual effects of chelant compounds. <i>Environmental Pollution</i> , 2006 , 144, 862-71	9.3	119
191	Antibiotics in riverine runoff of the Pearl River Delta and Pearl River Estuary, China: concentrations, mass loading and ecological risks. <i>Environmental Pollution</i> , 2013 , 182, 402-7	9.3	118
190	Foliar application of two silica sols reduced cadmium accumulation in rice grains. <i>Journal of Hazardous Materials</i> , 2009 , 161, 1466-72	12.8	118
189	Polycyclic aromatic hydrocarbons (PAHs) in the water column and sediment core of Deep Bay, South China. <i>Estuarine, Coastal and Shelf Science</i> , 2009 , 83, 60-66	2.9	117

188	Allocation and source attribution of lead and cadmium in maize (<i>Zea mays</i> L.) impacted by smelting emissions. <i>Environmental Pollution</i> , 2009 , 157, 834-9	9.3	117
187	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
186	A combination of ferric nitrate/EDDS-enhanced washing and sludge-derived biochar stabilization of metal-contaminated soils. <i>Science of the Total Environment</i> , 2018 , 616-617, 572-582	10.2	114
185	Atmospheric wet deposition of trace elements to central Tibetan Plateau. <i>Applied Geochemistry</i> , 2010 , 25, 1415-1421	3.5	113
184	Pb contamination and isotopic composition of urban soils in Hong Kong. <i>Science of the Total Environment</i> , 2004 , 319, 185-95	10.2	109
183	Contamination of phthalate esters, organochlorine pesticides and polybrominated diphenyl ethers in agricultural soils from the Yangtze River Delta of China. <i>Science of the Total Environment</i> , 2016 , 544, 670-6	10.2	106
182	Metagenomic Analysis Revealing Antibiotic Resistance Genes (ARGs) and Their Genetic Compartments in the Tibetan Environment. <i>Environmental Science & Technology</i> , 2016 , 50, 6670-9	10.3	102
181	Distribution of organochlorine pesticides in the northern South China Sea: implications for land outflow and air-sea exchange. <i>Environmental Science & Technology</i> , 2007 , 41, 3884-90	10.3	95
180	Biodegradation kinetics of phthalate esters by <i>Pseudomonas fluorescens</i> FS1. <i>Process Biochemistry</i> , 2004 , 39, 1125-1129	4.8	94
179	Enhanced phytoextraction of Pb and other metals from artificially contaminated soils through the combined application of EDTA and EDDS. <i>Chemosphere</i> , 2006 , 63, 1773-84	8.4	91
178	Compositional fractionation of polycyclic aromatic hydrocarbons (PAHs) in mosses (<i>Hypnum plumaeforme</i> WILS.) from the northern slope of Nanling Mountains, South China. <i>Atmospheric Environment</i> , 2005 , 39, 5490-5499	5.3	90
177	Air pollution: a global problem needs local fixes. <i>Nature</i> , 2019 , 570, 437-439	50.4	89
176	Arsenic-containing soil from geogenic source in Hong Kong: Leaching characteristics and stabilization/solidification. <i>Chemosphere</i> , 2017 , 182, 31-39	8.4	87
175	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
174	Acid volatile sulfide and simultaneously extracted metals in the sediment cores of the Pearl River Estuary, South China. <i>Ecotoxicology and Environmental Safety</i> , 2005 , 61, 420-31	7	87
173	Antibiotics in the agricultural soils from the Yangtze River Delta, China. <i>Chemosphere</i> , 2017 , 189, 301-308.	8.4	85
172	The changes in trace metal contamination over the last decade in surface sediments of the Pearl River Estuary, South China. <i>Science of the Total Environment</i> , 2012 , 439, 141-9	10.2	85
171	Manganese uptake and interactions with cadmium in the hyperaccumulator-- <i>Phytolacca Americana</i> L. <i>Journal of Hazardous Materials</i> , 2008 , 154, 674-81	12.8	85

170	Nanoscale zero-valent iron for metal/metalloid removal from model hydraulic fracturing wastewater. <i>Chemosphere</i> , 2017 , 176, 315-323	8.4	80
169	Metagenomic analysis reveals potential biodegradation pathways of persistent pesticides in freshwater and marine sediments. <i>Science of the Total Environment</i> , 2014 , 470-471, 983-92	10.2	79
168	Selective dissolution followed by EDDS washing of an e-waste contaminated soil: Extraction efficiency, fate of residual metals, and impact on soil environment. <i>Chemosphere</i> , 2017 , 166, 489-496	8.4	79
167	Arsenic, antimony and bismuth in soil and pasture herbage in some old metalliferous mining areas in England. <i>Environmental Geochemistry and Health</i> , 1993 , 15, 135-44	4.7	79
166	Identifying the sources and processes of mercury in subtropical estuarine and ocean sediments using Hg isotopic composition. <i>Environmental Science & Technology</i> , 2015 , 49, 1347-55	10.3	78
165	Mercury in the marine boundary layer and seawater of the South China Sea: Concentrations, sea/air flux, and implication for land outflow. <i>Journal of Geophysical Research</i> , 2010 , 115,		78
164	Seven thousand years of records on the mining and utilization of metals from lake sediments in central China. <i>Environmental Science & Technology</i> , 2008 , 42, 4732-8	10.3	78
163	Chemical partitioning of heavy metal contaminants in sediments of the Pearl River Estuary. <i>Chemical Speciation and Bioavailability</i> , 2000 , 12, 17-25		78
162	Fate of arsenic before and after chemical-enhanced washing of an arsenic-containing soil in Hong Kong. <i>Science of the Total Environment</i> , 2017 , 599-600, 679-688	10.2	77
161	Mercury profiles in sediments of the Pearl River Estuary and the surrounding coastal area of South China. <i>Environmental Pollution</i> , 2010 , 158, 1974-9	9.3	74
160	Surface-modified biochar in a bioretention system for Escherichia coli removal from stormwater. <i>Chemosphere</i> , 2017 , 169, 89-98	8.4	73
159	A novel in situ method for sampling urban soil dust: particle size distribution, trace metal concentrations, and stable lead isotopes. <i>Environmental Pollution</i> , 2013 , 177, 48-57	9.3	72
158	Characterization and risk assessment of polychlorinated biphenyls in soils and vegetations near an electronic waste recycling site, South China. <i>Chemosphere</i> , 2011 , 85, 344-50	8.4	70
157	Tracking historical lead pollution in the coastal area adjacent to the Yangtze River Estuary using lead isotopic compositions. <i>Environmental Pollution</i> , 2008 , 156, 1325-31	9.3	69
156	Lead contamination and isotope signatures in the urban environment of Hong Kong. <i>Environment International</i> , 2004 , 30, 209-17	12.9	69
155	Organochlorine pesticides, polybrominated biphenyl ethers and lead isotopes during the spring time at the Waliguan Baseline Observatory, northwest China: Implication for long-range atmospheric transport. <i>Atmospheric Environment</i> , 2007 , 41, 4734-4747	5.3	68
154	The formation mechanisms of turbidity maximum in the Pearl River estuary, China. <i>Marine Pollution Bulletin</i> , 2004 , 48, 441-8	6.7	68
153	Spatial distribution, emission source and health risk of parent PAHs and derivatives in surface soils from the Yangtze River Delta, eastern China. <i>Chemosphere</i> , 2017 , 178, 301-308	8.4	67

152	Trace elements and lead isotopic composition of PM10 in Lhasa, Tibet. <i>Atmospheric Environment</i> , 2011 , 45, 6210-6215	5.3	67
151	Metal partitioning in river sediments measured by sequential extraction and biomimetic approaches. <i>Chemosphere</i> , 2004 , 57, 839-51	8.4	67
150	Identification of a novel toluene-degrading bacterium from the candidate phylum TM7, as determined by DNA stable isotope probing. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 4644-7	4.8	66
149	Transport and adsorption of antibiotics by marine sediments in a dynamic environment. <i>Journal of Soils and Sediments</i> , 2009 , 9, 364-373	3.4	66
148	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
147	A mosaic community of macrophytes for the ecological remediation of eutrophic shallow lakes. <i>Ecological Engineering</i> , 2009 , 35, 582-590	3.9	65
146	Passive air sampling of DDT, chlordane and HCB in the Pearl River Delta, South China: implications to regional sources. <i>Journal of Environmental Monitoring</i> , 2007 , 9, 582-8		62
145	Contributions of City-Specific Fine Particulate Matter (PM) to Differential In Vitro Oxidative Stress and Toxicity Implications between Beijing and Guangzhou of China. <i>Environmental Science & Technology</i> , 2019 , 53, 2881-2891	10.3	60
144	Heavy metals in an impacted wetland system: a typical case from southwestern China. <i>Science of the Total Environment</i> , 2007 , 387, 257-68	10.2	60
143	Chemical partitioning of the new National Institute of Standards and Technology standard reference materials (SRM 2709/2711) by sequential extraction using inductively coupled plasma atomic emission spectrometry. <i>Analyst, The</i> , 1995 , 120, 1415-1419	5	60
142	Trends and advances in mercury stable isotopes as a geochemical tracer. <i>Trends in Environmental Analytical Chemistry</i> , 2014 , 2, 1-10	12	59
141	Speciation, mobilization, and bioaccessibility of arsenic in geogenic soil profile from Hong Kong. <i>Environmental Pollution</i> , 2018 , 232, 375-384	9.3	58
140	Speciation and leaching of trace metal contaminants from e-waste contaminated soils. <i>Journal of Hazardous Materials</i> , 2017 , 329, 150-158	12.8	57
139	Biomonitoring of trace metals in the atmosphere using moss (<i>Hypnum plumaeforme</i>) in the Nanling Mountains and the Pearl River Delta, Southern China. <i>Atmospheric Environment</i> , 2005 , 39, 397-407	5.3	57
138	Polycyclic aromatic hydrocarbon (PAH) deposition to and exchange at the air-water interface of Luhu, an urban lake in Guangzhou, China. <i>Environmental Pollution</i> , 2009 , 157, 273-9	9.3	55
137	The spatial and temporal distribution of heavy metals in sediments of Victoria Harbour, Hong Kong. <i>Marine Pollution Bulletin</i> , 2008 , 57, 816-25	6.7	55
136	Vegetation composition and heavy metal uptake by wild plants at three contaminated sites in Xiangxi area, China. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006 , 41, 65-76	2.3	54
135	Phosphorus Removal and Recovery from Wastewater using Fe-Dosing Bioreactor and Cofermentation: Investigation by X-ray Absorption Near-Edge Structure Spectroscopy. <i>Environmental Science & Technology</i> , 2018 , 52, 14119-14128	10.3	54

134	Cu, Ni, and Pb speciation in surface sediments from a contaminated bay of northern China. <i>Marine Pollution Bulletin</i> , 2002 , 44, 820-6	6.7	53
133	Metagenomic exploration reveals high levels of microbial arsenic metabolism genes in activated sludge and coastal sediments. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 9579-88	5.7	52
132	Geographical variations of trace elements in sediments of the major rivers in eastern China. <i>Environmental Geology</i> , 2000 , 39, 1334-1340		51
131	Indoor air quality investigation on commercial aircraft. <i>Indoor Air</i> , 1999 , 9, 180-7	5.4	51
130	Integrating EDDS-enhanced washing with low-cost stabilization of metal-contaminated soil from an e-waste recycling site. <i>Chemosphere</i> , 2016 , 159, 426-432	8.4	50
129	The effect of nitrate concentration on sulfide-driven autotrophic denitrification in marine sediment. <i>Chemosphere</i> , 2011 , 83, 1-6	8.4	50
128	Impact of anthropogenic emissions and open biomass burning on regional carbonaceous aerosols in South China. <i>Environmental Pollution</i> , 2010 , 158, 3392-400	9.3	50
127	Potential impact of flowback water from hydraulic fracturing on agricultural soil quality: Metal/metalloid bioaccessibility, Microtox bioassay, and enzyme activities. <i>Science of the Total Environment</i> , 2017 , 579, 1419-1426	10.2	48
126	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
125	Atmospheric deposition of polycyclic aromatic hydrocarbons (PAHs) to a coastal site of Hong Kong, South China. <i>Atmospheric Environment</i> , 2013 , 69, 265-272	5.3	48
124	Multi-element contamination of soils and plants in old mining areas, U.K.. <i>Applied Geochemistry</i> , 1993 , 8, 51-56	3.5	48
123	Aging effects on chemical transformation and metal(loid) removal by entrapped nanoscale zero-valent iron for hydraulic fracturing wastewater treatment. <i>Science of the Total Environment</i> , 2018 , 615, 498-507	10.2	47
122	Combined application of EDDS and EDTA for removal of potentially toxic elements under multiple soil washing schemes. <i>Chemosphere</i> , 2018 , 205, 178-187	8.4	45
121	Copper accumulation and tolerance in <i>Chrysanthemum coronarium</i> L. and <i>Sorghum sudanense</i> L. <i>Archives of Environmental Contamination and Toxicology</i> , 2008 , 55, 238-46	3.2	45
120	Chelant-enhanced washing of CCA-contaminated soil: Coupled with selective dissolution or soil stabilization. <i>Science of the Total Environment</i> , 2018 , 612, 1463-1472	10.2	44
119	Metal leaching along soil profiles after the EDDS application--a field study. <i>Environmental Pollution</i> , 2012 , 164, 204-10	9.3	43
118	Molecular markers of biomass burning, fungal spores and biogenic SOA in the Taklimakan desert aerosols. <i>Atmospheric Environment</i> , 2016 , 130, 64-73	5.3	42
117	Atmospheric deposition of lead in remote high mountain of eastern Tibetan Plateau, China. <i>Atmospheric Environment</i> , 2014 , 99, 425-435	5.3	41

116	Current status and historical trends of organochlorine pesticides in the ecosystem of Deep Bay, South China. <i>Estuarine, Coastal and Shelf Science</i> , 2009 , 85, 265-272	2.9	41
115	Particle deposition fluxes of BDE-209, PAHs, DDTs and chlordane in the Pearl River Delta, South China. <i>Science of the Total Environment</i> , 2010 , 408, 3664-70	10.2	41
114	Distribution and speciation of copper in rice (<i>Oryza sativa</i> L.) from mining-impacted paddy soil: Implications for copper uptake mechanisms. <i>Environment International</i> , 2019 , 126, 717-726	12.9	40
113	Removal of chlorinated organic solvents from hydraulic fracturing wastewater by bare and entrapped nanoscale zero-valent iron. <i>Chemosphere</i> , 2018 , 196, 9-17	8.4	40
112	Spatial distribution and seasonal variations of polycyclic aromatic hydrocarbons (PAHs) using semi-permeable membrane devices (SPMD) and pine needles in the Pearl River Delta, South China. <i>Atmospheric Environment</i> , 2006 , 40, 3134-3143	5.3	40
111	A novel strategy using biodegradable EDDS for the chemically enhanced phytoextraction of soils contaminated with heavy metals. <i>Plant and Soil</i> , 2006 , 285, 67-80	4.2	40
110	Factors affecting the occurrence and transport of atmospheric organochlorines in the China Sea and the northern Indian and South East Atlantic Oceans. <i>Environmental Science & Technology</i> , 2012 , 46, 10012-21	10.3	38
109	Accumulation and detoxification of cadmium in <i>Brassica pekinensis</i> and <i>B. chinensis</i> . <i>Biologia Plantarum</i> , 2007 , 51, 116-120	2.1	37
108	Leaching and Microstructural Analysis of Cement-Based Solidified Wastes. <i>Environmental Science & Technology</i> , 2000 , 34, 5038-5042	10.3	37
107	Cyclic organosilicon compounds in ambient air in Guangzhou, Macau and Nanhai, Pearl River Delta. <i>Applied Geochemistry</i> , 2001 , 16, 1447-1454	3.5	35
106	Microbial diversity in polluted harbor sediments II: Sulfate-reducing bacterial community assessment using terminal restriction fragment length polymorphism and clone library of <i>dsrAB</i> gene. <i>Estuarine, Coastal and Shelf Science</i> , 2008 , 76, 682-691	2.9	34
105	Spatial and temporal variations of mercury in sediments from Victoria Harbour, Hong Kong. <i>Marine Pollution Bulletin</i> , 2007 , 54, 480-5	6.7	34
104	Effects of low-alkalinity binders on stabilization/solidification of geogenic As-containing soils: Spectroscopic investigation and leaching tests. <i>Science of the Total Environment</i> , 2018 , 631-632, 1486-1494	10.2	33
103	Phthalate esters and organochlorine pesticides in agricultural soils and vegetables from fast-growing regions: a case study from eastern China. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 34-42	5.1	33
102	Multimedia modeling of the PAH concentration and distribution in the Yangtze River Delta and human health risk assessment. <i>Science of the Total Environment</i> , 2019 , 647, 962-972	10.2	33
101	A Study of the Implementation of ISO 14001 Environmental Management Systems in Hong Kong. <i>Journal of Environmental Planning and Management</i> , 2001 , 44, 589-601	2.8	33
100	Influence of agricultural practice on trace metals in soils and vegetation in the water conservation area along the East River (Dongjiang River), South China. <i>Science of the Total Environment</i> , 2012 , 431, 26-32	10.2	32
99	Cadmium and other metal uptake by <i>Lobelia chinensis</i> and <i>Solanum nigrum</i> from contaminated soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009 , 83, 260-4	2.7	32

98	Chemical speciation and bioaccessibility of lead in surface soil and house dust, Lavrion urban area, Attiki, Hellas. <i>Environmental Geochemistry and Health</i> , 2010 , 32, 529-52	4.7	32
97	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
96	Distribution of mercury in coastal marine sediments of China: sources and transport. <i>Marine Pollution Bulletin</i> , 2014 , 88, 347-53	6.7	30
95	Polycyclic aromatic hydrocarbons on indoor/outdoor glass window surfaces in Guangzhou and Hong Kong, south China. <i>Environmental Pollution</i> , 2012 , 169, 190-5	9.3	30
94	Organic diagenesis in sediment and its impact on the adsorption of bisphenol A and nonylphenol onto marine sediment. <i>Marine Pollution Bulletin</i> , 2011 , 63, 578-82	6.7	30
93	PBDEs in the atmosphere over the Asian marginal seas, and the Indian and Atlantic oceans. <i>Atmospheric Environment</i> , 2011 , 45, 6622-6628	5.3	30
92	Levels, spatial distribution and sources of selected antibiotics in the East River (Dongjiang), South China. <i>Aquatic Ecosystem Health and Management</i> , 2012 , 15, 210-218	1.4	30
91	Root Exudates Increase Metal Accumulation in Mixed Cultures: Implications for Naturally Enhanced Phytoextraction. <i>Water, Air, and Soil Pollution</i> , 2008 , 193, 147-154	2.6	30
90	The role of root damage in the chelate-enhanced accumulation of lead by Indian mustard plants. <i>International Journal of Phytoremediation</i> , 2006 , 8, 323-37	3.9	30
89	Uptake of cadmium by different cultivars of Brassica pekinensis (Lour.) Rupr. and Brassica chinensis L. and their potential for phytoremediation. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2006 , 76, 732-9	2.7	30
88	Zero-valent iron for the abatement of arsenate and selenate from flowback water of hydraulic fracturing. <i>Chemosphere</i> , 2017 , 167, 163-170	8.4	29
87	Health risk-oriented source apportionment of PM-associated trace metals. <i>Environmental Pollution</i> , 2020 , 262, 114655	9.3	28
86	Using mercury isotopes to understand the bioaccumulation of Hg in the subtropical Pearl River Estuary, South China. <i>Chemosphere</i> , 2016 , 147, 173-9	8.4	28
85	Carbonaceous matter and PBDEs on indoor/outdoor glass window surfaces in Guangzhou and Hong Kong, South China. <i>Atmospheric Environment</i> , 2010 , 44, 3254-3260	5.3	28
84	Adaptive Copper Tolerance in <i>Elsholtzia haichowensis</i> Involves Production of Cu-induced Thiol Peptides. <i>Plant Growth Regulation</i> , 2005 , 47, 65-73	3.2	28
83	The influence of climate, hydrology and permafrost on Holocene peat accumulation at 3500m on the eastern Qinghai-Tibetan Plateau. <i>Quaternary Science Reviews</i> , 2009 , 28, 3303-3314	3.9	27
82	Municipal Solid Waste Treatment System Increases Ambient Airborne Bacteria and Antibiotic Resistance Genes. <i>Environmental Science & Technology</i> , 2020 , 54, 3900-3908	10.3	26
81	Atrazine contamination in agricultural soils from the Yangtze River Delta of China and associated health risks. <i>Environmental Geochemistry and Health</i> , 2017 , 39, 369-378	4.7	26

80	Waste reduction and recycling strategies for the in-flight services in the airline industry. <i>Resources, Conservation and Recycling</i> , 2003 , 37, 87-99	11.9	26
79	Historical Records of Mercury Stable Isotopes in Sediments of Tibetan Lakes. <i>Scientific Reports</i> , 2016 , 6, 23332	4.9	26
78	Comparing polybrominated diphenyl ethers (PBDEs) in airborne particles in Guangzhou and Hong Kong: sources, seasonal variations and inland outflow. <i>Journal of Environmental Monitoring</i> , 2009 , 11, 1185-91		25
77	Polychlorinated biphenyls in agricultural soils from the Yangtze River Delta of China: Regional contamination characteristics, combined ecological effects and human health risks. <i>Chemosphere</i> , 2016 , 163, 422-428	8.4	25
76	Interactions of food waste compost with metals and metal-chelant complexes during soil remediation. <i>Journal of Cleaner Production</i> , 2018 , 192, 199-206	10.3	24
75	Polycyclic aromatic hydrocarbons (PAHs) in the air of Chinese cities. <i>Journal of Environmental Monitoring</i> , 2007 , 9, 1092-8		24
74	Spatial-temporal variations, sources, and transport of airborne inhalable metals (PM ₁₀) in urban and rural areas of northern China		24
73	Assessment of the air-soil partitioning of polycyclic aromatic hydrocarbons in a paddy field using a modified fugacity sampler. <i>Environmental Science & Technology</i> , 2015 , 49, 284-91	10.3	23
72	Influence of rice growth on the fate of polycyclic aromatic hydrocarbons in a subtropical paddy field: a life cycle study. <i>Chemosphere</i> , 2015 , 119, 1233-1239	8.4	23
71	Antibiotic resistance genes (ARGs) in agricultural soils from the Yangtze River Delta, China. <i>Science of the Total Environment</i> , 2020 , 740, 140001	10.2	23
70	Anomalous fractionation of mercury isotopes in the Late Archean atmosphere. <i>Nature Communications</i> , 2020 , 11, 1709	17.4	23
69	Extraction of heavy metals from e-waste contaminated soils using EDDS. <i>Journal of Environmental Sciences</i> , 2012 , 24, 1985-94	6.4	23
68	Plant uptake and the leaching of metals during the hot EDDS-enhanced phytoextraction process. <i>International Journal of Phytoremediation</i> , 2007 , 9, 181-96	3.9	23
67	Insights into the subsurface transport of As(V) and Se(VI) in produced water from hydraulic fracturing using soil samples from Qingshankou Formation, Songliao Basin, China. <i>Environmental Pollution</i> , 2017 , 223, 449-456	9.3	22
66	Trace metals in soil, dust, and tree leaves of the urban environment, Guangzhou, China. <i>Science Bulletin</i> , 2013 , 58, 222-230		22
65	Distribution of cadmium, chromium, copper, lead and zinc in marine sediments in Hong Kong waters. <i>Environmental Geology</i> , 2006 , 51, 455-461		22
64	Biodegradable chelating agent ethylenediaminedisuccinic acid reduces uptake of copper through alleviation of copper toxicity in hydroponically grown <i>Chrysanthemum coronarium</i> L. <i>Environmental Toxicology and Chemistry</i> , 2007 , 26, 749-54	3.8	21
63	Hot NTA Application Enhanced Metal Phytoextraction from Contaminated Soil. <i>Water, Air, and Soil Pollution</i> , 2008 , 188, 127-137	2.6	21

62	Resting stages of <i>Tortanus forcipatus</i> (Crustacea, Calanoida) in sediments of Victoria Harbor, Hong Kong. <i>Estuarine, Coastal and Shelf Science</i> , 2006 , 67, 562-568	2.9	21
61	Study of zinc in cementitious material stabilised/solidified wastes by sequential chemical extraction and microstructural analysis. <i>Chemical Speciation and Bioavailability</i> , 2001 , 13, 1-7		21
60	Risk mitigation by waste-based permeable reactive barriers for groundwater pollution control at e-waste recycling sites. <i>Environmental Geochemistry and Health</i> , 2017 , 39, 75-88	4.7	20
59	Impacts of human activities on distribution of sulfate-reducing prokaryotes and antibiotic resistance genes in marine coastal sediments of Hong Kong. <i>FEMS Microbiology Ecology</i> , 2016 , 92,	4.3	20
58	Effect of cadmium on autoxidation rate of tissue and inducing accumulation of free proline in seedlings of mung bean. <i>Journal of Plant Nutrition</i> , 2000 , 23, 357-368	2.3	20
57	Role of chelant on Cu distribution and speciation in <i>Lolium multiflorum</i> by synchrotron techniques. <i>Science of the Total Environment</i> , 2018 , 621, 772-781	10.2	19
56	Spatial distribution and molecular speciation of copper in indigenous plants from contaminated mine sites: Implication for phytostabilization. <i>Journal of Hazardous Materials</i> , 2020 , 381, 121208	12.8	19
55	An optimized protocol for high precision measurement of Hg isotopic compositions in samples with low concentrations of Hg using MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 1932-1940	3.7	19
54	Isotopic Composition of Gaseous Elemental Mercury in the Marine Boundary Layer of East China Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 7656	4.4	19
53	Contamination characteristics and source apportionment of methylated PAHs in agricultural soils from Yangtze River Delta, China. <i>Environmental Pollution</i> , 2017 , 230, 927-935	9.3	18
52	The spatial distribution and potential sources of polycyclic aromatic hydrocarbons (PAHs) over the Asian marginal seas and the Indian and Atlantic Oceans. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		18
51	Sorption, mobility, and bioavailability of PBDEs in the agricultural soils: Roles of co-existing metals, dissolved organic matter, and fertilizers. <i>Science of the Total Environment</i> , 2018 , 619-620, 1153-1162	10.2	17
50	Organotin compounds in surface sediments from selected fishing ports along the Chinese coast. <i>Science Bulletin</i> , 2013 , 58, 231-237		17
49	Distribution of organochlorine pesticides in a sediment profile of the Pearl River estuary. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2001 , 67, 871-80	2.7	17
48	Mercury Inputs to Chinese Marginal Seas: Impact of Industrialization and Development of China. <i>Journal of Geophysical Research: Oceans</i> , 2018 , 123, 5599-5611	3.3	17
47	Dry and wet particle deposition of polybrominated diphenyl ethers (PBDEs) in Guangzhou and Hong Kong, South China. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 1730-6		16
46	China's Fight for Clean Air and Human Health. <i>Environmental Science & Technology</i> , 2018 , 52, 8063-8064		15
45	Atmospheric polybrominated diphenyl ethers (PBDEs) and Pb isotopes at a remote site in Southwestern China: implications for monsoon-associated transport. <i>Science of the Total Environment</i> , 2011 , 409, 4564-71	10.2	15

44	Heating treatment schemes for enhancing chelant-assisted phytoextraction of heavy metals from contaminated soils. <i>Environmental Toxicology and Chemistry</i> , 2008 , 27, 888-96	3.8	15
43	Geochemical records in Holocene lake sediments of northern China: Implication for natural and anthropogenic inputs. <i>Quaternary International</i> , 2013 , 304, 200-208	2	14
42	Remobilization of trace metals from contaminated marine sediment in a simulated dynamic environment. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 19905-11	5.1	13
41	The effects of rice canopy on the air-soil exchange of polycyclic aromatic hydrocarbons and organochlorine pesticides using paired passive air samplers. <i>Environmental Pollution</i> , 2015 , 200, 35-41	9.3	13
40	Concentrations and contamination trends of heavy metals in the sediment cores of Taihu Lake, East China, and their relationship with historical eutrophication. <i>Diqiu Huaxue</i> , 2010 , 29, 33-41		13
39	Bioaccumulation of Heavy Metals by Wild Plants Growing on Copper Mine Spoils in China. <i>Communications in Soil Science and Plant Analysis</i> , 2008 , 39, 315-328	1.5	13
38	Butyltins in sediments and biota from the Pearl River Delta, South China. <i>Chemical Speciation and Bioavailability</i> , 2002 , 14, 35-42		13
37	Transformation of Fe-P Complexes in Bioreactors and P Recovery from Sludge: Investigation by XANES Spectroscopy. <i>Environmental Science & Technology</i> , 2020 , 54, 4641-4650	10.3	12
36	Inhibition of the WNT/ β -catenin pathway by fine particulate matter in haze: Roles of metals and polycyclic aromatic hydrocarbons. <i>Atmospheric Environment</i> , 2015 , 109, 118-129	5.3	11
35	Chapter 6 Sources and Occurrence of Persistent Organic Pollutants in the Pearl River Delta, South China. <i>Developments in Environmental Science</i> , 2007 , 7, 289-311		10
34	Toxic potency-adjusted control of air pollution for solid fuel combustion. <i>Nature Energy</i> ,	62.3	9
33	Analysis of Heavy Metal Contaminated Soils. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2003 , 7, 12-18		7
32	Intracellular and Extracellular Antibiotic Resistance Genes in Airborne PM2.5 for Respiratory Exposure in Urban Areas. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 128-134	11	7
31	Direct potable reuse of reclaimed wastewater: it is time for a rational discussion. <i>Reviews on Environmental Health</i> , 2012 , 27, 197-206	3.8	6
30	Mechanistic insight into the interactions of EDDS with copper in the rhizosphere of polluted soils. <i>Environmental Pollution</i> , 2020 , 267, 115453	9.3	5
29	Isotopic tracing of mercury sources in estuarine-inner shelf sediments of the East China Sea. <i>Environmental Pollution</i> , 2020 , 262, 114356	9.3	5
28	Toward Energy Neutrality in Municipal Wastewater Treatment: A Systematic Analysis of Energy Flow Balance for Different Scenarios. <i>ACS ES&T Water</i> , 2021 , 1, 796-807		5
27	Current Prospective on Environmental Nanotechnology Research in China. <i>Environmental Science & Technology</i> , 2019 , 53, 4001-4002	10.3	4

26	Comment on "Leaching microstructural analysis of cement-based solidified wastes". <i>Environmental Science & Technology</i> , 2001 , 35, 4394-5	10.3	4
25	Water-soluble low molecular weight organics in cloud water at Mt. Tai Mo Shan, Hong Kong. <i>Science of the Total Environment</i> , 2019 , 697, 134095	10.2	3
24	Heavy metal concentrations and Pb isotopic composition in urban and suburban aerosols of Hong Kong and Guangzhou, South China: Evidence of the long-range transport of air contaminants. <i>Diqiu Huaxue</i> , 2006 , 25, 123-124		2
23	Comparison of Elemental Composition and Solubility in the Zinc Hyperaccumulator <i>Thlaspi caerulescens</i> with the Non-Hyperaccumulator <i>Thlaspi ochroleucum</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2000 , 65, 343-350	2.7	2
22	Inhalable antibiotic resistomes emitted from hospitals: metagenomic insights into bacterial hosts, clinical relevance, and environmental risks.. <i>Microbiome</i> , 2022 , 10, 19	16.6	2
21	Airborne transmission as an integral environmental dimension of antimicrobial resistance through the One Health lens. <i>Critical Reviews in Environmental Science and Technology</i> , 1-22	11.1	2
20	On the triad of air PM pollution, pathogenic bioaerosols, and lower respiratory infection. <i>Environmental Geochemistry and Health</i> , 2021 , 1	4.7	2
19	Chelant-Enhanced Phytoextraction of Heavy Metal-Contaminated Soils and Its Environmental Risk Assessment 2018 , 509-533		1
18	Geochemical Mapping of Trace Metal Pollutants in Urban Soils of Hong Kong 2011 , 581-591		1
17	Lead isotope and trace metal characteristics of particulates accumulated on vehicular tunnel ceilings in Hong Kong and Guangzhou, SE China. <i>Diqiu Huaxue</i> , 2006 , 25, 75-75		1
16	Sediment records of persistent organic pollutants (POPs) in relation to regional economic development: A comparison study in both Pearl River Delta and Yangtze River Delta, China. <i>Diqiu Huaxue</i> , 2006 , 25, 188-189		1
15	Partitioning the heavy metals in soils contaminated by past mining and smelting activities. <i>Environmental Geochemistry and Health</i> , 1994 , 16, 93	4.7	1
14	Benthic ostracod diversity and biogeography in an urbanized seascape. <i>Marine Micropaleontology</i> , 2021 , 102067	1.7	1
13	Transforming Environmental Chemistry and Toxicology to Meet the Anthropocene Sustainability Challenges Beyond Silent Spring 2020 , 263-276		1
12	Partitioning and (im)mobilization of arsenic associated with iron in arsenic-bearing deep subsoil profiles from Hong Kong. <i>Environmental Pollution</i> , 2022 , 119527	9.3	1
11	Mercury and sulfur isotopic evidence for the linkages between the ca. 510 Ma Kalkarindji large igneous province and trilobite crisis. <i>Earth and Planetary Science Letters</i> , 2021 , 566, 116947	5.3	0
10	ACS Environmental Au-Gold Open Access toward a Greener Future. <i>ACS Environmental Au</i> , 2022 , 2, 74-76		0
9	Biodegradable Chelant-Assisted Phytoextraction 2018 , 725-733		

- 8 Preface: selected papers from SEGH 2010 conference on environmental quality and human health. *Environmental Geochemistry and Health*, **2011**, 33, 309-10 4-7
- 7 Six thousand years of records of metal mining and utilization from lake sediments in central China. *Diqiu Huaxue*, **2006**, 25, 20-20
- 6 A novel strategy using biodegradable EDDS for the chemically enhanced phytoextraction of soils contaminated with heavy metals. *Diqiu Huaxue*, **2006**, 25, 115-115
- 5 Trace metals in particulate and dissolved phases in Victoria Harbour, Hong Kong. *Diqiu Huaxue*, **2006**, 25, 159-159
- 4 Assessment of marine pollution in Daya Bay, South China: Nutrients, heavy metals and persistent organic pollutants. *Diqiu Huaxue*, **2006**, 25, 166-166
- 3 Organochlorine pesticides in eco-geochemical survey, China. *Diqiu Huaxue*, **2006**, 25, 213-213
- 2 Enhanced phytoextraction of Pb and other metals from artificially contaminated soils through the combined application of EDTA and EDDS. *Diqiu Huaxue*, **2006**, 25, 253-253
- 1 Response to Comment on Leaching and Microstructural Analysis of Cement-Based Solidified Wastes. *Environmental Science & Technology*, **2001**, 35, 4395-4395 10.3