

# Lena Q

## 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.

325  
papers

21,707  
citations

72  
h-index

136  
g-index

328  
ext. papers

24,497  
ext. citations

8.7  
avg, IF

7.16  
L-index

#	Paper	IF	Citations
325	A fern that hyperaccumulates arsenic. <i>Nature</i> , <b>2001</b> , 409, 579	50.4	1306
324	Accumulation of Pb, Cu, and Zn in native plants growing on a contaminated Florida site. <i>Science of the Total Environment</i> , <b>2006</b> , 368, 456-64	10.2	1045
323	Dairy-manure derived biochar effectively sorbs lead and atrazine. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 3285-91	10.3	888
322	Mechanisms of metal sorption by biochars: Biochar characteristics and modifications. <i>Chemosphere</i> , <b>2017</b> , 178, 466-478	8.4	784
321	In situ lead immobilization by apatite. <i>Environmental Science &amp; Technology</i> , <b>1993</b> , 27, 1803-1810	10.3	543
320	Chemical Fractionation of Cadmium, Copper, Nickel, and Zinc in Contaminated Soils. <i>Journal of Environmental Quality</i> , <b>1997</b> , 26, 259-264	3.4	479
319	Simultaneous immobilization of lead and atrazine in contaminated soils using dairy-manure biochar. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4884-9	10.3	429
318	Lead immobilization from aqueous solutions and contaminated soils using phosphate rocks. <i>Environmental Science &amp; Technology</i> , <b>1995</b> , 29, 1118-26	10.3	395
317	Characteristics and mechanisms of hexavalent chromium removal by biochar from sugar beet tailing. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 190, 909-15	12.8	373
316	Arsenic speciation and distribution in an arsenic hyperaccumulating plant. <i>Science of the Total Environment</i> , <b>2002</b> , 300, 167-77	10.2	319
315	Metabolic adaptations to arsenic-induced oxidative stress in <i>Pteris vittata</i> L and <i>Pteris ensiformis</i> L. <i>Plant Science</i> , <b>2006</b> , 170, 274-282	5.3	315
314	Effects of Aqueous Al, Cd, Cu, Fe(II), Ni, and Zn on Pb Immobilization by Hydroxyapatite. <i>Environmental Science &amp; Technology</i> , <b>1994</b> , 28, 1219-28	10.3	303
313	Comparison of Three Aqua Regia Digestion Methods for Twenty Florida Soils. <i>Soil Science Society of America Journal</i> , <b>2001</b> , 65, 491-499	2.5	294
312	Immobilization of Zn, Cu, and Pb in contaminated soils using phosphate rock and phosphoric acid. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 164, 555-64	12.8	275
311	Antioxidant responses of hyper-accumulator and sensitive fern species to arsenic. <i>Journal of Experimental Botany</i> , <b>2005</b> , 56, 1335-42	7	257
310	Arsenic distribution and speciation in the fronds of the hyperaccumulator <i>Pteris vittata</i> . <i>New Phytologist</i> , <b>2002</b> , 156, 195-203	9.8	256
309	Arsenic and selenium toxicity and their interactive effects in humans. <i>Environment International</i> , <b>2014</b> , 69, 148-58	12.9	254

308	Availability and assessment of fixing additives for the in situ remediation of heavy metal contaminated soils: a review. <i>Environmental Monitoring and Assessment</i> , <b>2006</b> , 116, 513-28	3.1	238
307	Effects of compost and phosphate amendments on arsenic mobility in soils and arsenic uptake by the hyperaccumulator, <i>Pteris vittata</i> L. <i>Environmental Pollution</i> , <b>2003</b> , 126, 157-67	9.3	229
306	Baseline Concentrations of 15 Trace Elements in Florida Surface Soils. <i>Journal of Environmental Quality</i> , <b>1999</b> , 28, 1173-1181	3.4	222
305	Impacts of phosphate amendments on lead biogeochemistry at a contaminated site. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 5296-304	10.3	220
304	Pyrolytic temperatures impact lead sorption mechanisms by bagasse biochars. <i>Chemosphere</i> , <b>2014</b> , 105, 68-74	8.4	214
303	Point of zero charge determination in soils and minerals via traditional methods and detection of electroacoustic mobility. <i>Geoderma</i> , <b>2003</b> , 113, 77-93	6.7	208
302	Arsenic accumulation in the hyperaccumulator Chinese brake and its utilization potential for phytoremediation. <i>Journal of Environmental Quality</i> , <b>2002</b> , 31, 1671-5	3.4	188
301	Rhizosphere characteristics of the arsenic hyperaccumulator <i>Pteris vittata</i> L. and monitoring of phytoremoval efficiency. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 5008-14	10.3	182
300	Comparison of Methods for Evaluating Stability and Maturity of Biosolids Compost. <i>Journal of Environmental Quality</i> , <b>2000</b> , 29, 424-429	3.4	162
299	Three new arsenic hyperaccumulating ferns. <i>Science of the Total Environment</i> , <b>2006</b> , 364, 24-31	10.2	155
298	XAS speciation of arsenic in a hyper-accumulating fern. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 754-60	10.3	155
297	Field assessment of lead immobilization in a contaminated soil after phosphate application. <i>Science of the Total Environment</i> , <b>2003</b> , 305, 117-27	10.2	154
296	Interactive effects of pH, arsenic and phosphorus on uptake of As and P and growth of the arsenic hyperaccumulator <i>Pteris vittata</i> L. under hydroponic conditions. <i>Environmental and Experimental Botany</i> , <b>2003</b> , 50, 243-251	5.9	151
295	Mechanistic investigation of mercury sorption by Brazilian pepper biochars of different pyrolytic temperatures based on X-ray photoelectron spectroscopy and flow calorimetry. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 12156-64	10.3	146
294	Effects of arsenate and phosphate on their accumulation by an arsenic-hyperaccumulator <i>Pteris vittata</i> L.. <i>Plant and Soil</i> , <b>2003</b> , 249, 373-382	4.2	144
293	Physicochemical and sorptive properties of biochars derived from woody and herbaceous biomass. <i>Chemosphere</i> , <b>2015</b> , 134, 257-62	8.4	140
292	Enhanced Cr(VI) reduction and As(III) oxidation in ice phase: important role of dissolved organic matter from biochar. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 267, 62-70	12.8	139
291	Effects of NO <sub>3</sub> <sup>-</sup> , Cl <sup>-</sup> , F <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup> , and CO <sub>3</sub> <sup>2-</sup> on Pb <sup>2+</sup> Immobilization by Hydroxyapatite. <i>Environmental Science &amp; Technology</i> , <b>1994</b> , 28, 408-18	10.3	139

290	Using phosphate rock to immobilize metals in soil and increase arsenic uptake by hyperaccumulator <i>Pteris vittata</i> . <i>Science of the Total Environment</i> , <b>2006</b> , 359, 17-25	10.2	137
289	Root exudates and arsenic accumulation in arsenic hyperaccumulating <i>Pteris vittata</i> and non-hyperaccumulating <i>Nephrolepis exaltata</i> . <i>Plant and Soil</i> , <b>2004</b> , 258, 9-19	4.2	137
288	Comparison of Four USEPA Digestion Methods for Trace Metal Analysis Using Certified and Florida Soils. <i>Journal of Environmental Quality</i> , <b>1998</b> , 27, 1294-1300	3.4	129
287	Effects of Arsenic Concentrations and Forms on Arsenic Uptake by the Hyperaccumulator Ladder Brake. <i>Journal of Environmental Quality</i> , <b>2002</b> , 31, 641	3.4	124
286	Effect of biochar and Fe-biochar on Cd and As mobility and transfer in soil-rice system. <i>Chemosphere</i> , <b>2017</b> , 186, 928-937	8.4	123
285	Weathering of lead bullets and their environmental effects at outdoor shooting ranges. <i>Journal of Environmental Quality</i> , <b>2003</b> , 32, 526-34	3.4	118
284	Bioremediation of oily sludge-contaminated soil by stimulating indigenous microbes. <i>Environmental Geochemistry and Health</i> , <b>2010</b> , 32, 23-9	4.7	116
283	Lead transformation and distribution in the soils of shooting ranges in Florida, USA. <i>Science of the Total Environment</i> , <b>2003</b> , 307, 179-89	10.2	115
282	Heavy metal interactions with phosphatic clay: sorption and desorption behavior. <i>Journal of Environmental Quality</i> , <b>2001</b> , 30, 1961-8	3.4	113
281	Molecular mechanisms of PFOA-induced toxicity in animals and humans: Implications for health risks. <i>Environment International</i> , <b>2017</b> , 99, 43-54	12.9	108
280	Effects of arsenic on concentration and distribution of nutrients in the fronds of the arsenic hyperaccumulator <i>Pteris vittata</i> L. <i>Environmental Pollution</i> , <b>2005</b> , 135, 333-40	9.3	105
279	Phytoremediation of an arsenic-contaminated site using <i>Pteris vittata</i> L.: a two-year study. <i>International Journal of Phytoremediation</i> , <b>2006</b> , 8, 311-22	3.9	104
278	Arsenic phytoextraction and hyperaccumulation by fern species. <i>Scientia Agricola</i> , <b>2006</b> , 63, 90-101	2.5	102
277	Lead contamination in shooting range soils from abrasion of lead bullets and subsequent weathering. <i>Science of the Total Environment</i> , <b>2004</b> , 328, 175-83	10.2	97
276	Antimony uptake, translocation and speciation in rice plants exposed to antimonite and antimonate. <i>Science of the Total Environment</i> , <b>2014</b> , 475, 83-9	10.2	94
275	Arsenic Transport in Rice and Biological Solutions to Reduce Arsenic Risk from Rice. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 268	6.2	94
274	Effects of pH and ionic strength on sulfamethoxazole and ciprofloxacin transport in saturated porous media. <i>Journal of Contaminant Hydrology</i> , <b>2011</b> , 126, 29-36	3.9	94
273	Influence of compost on soil organic matter quality under tropical conditions. <i>Geoderma</i> , <b>2004</b> , 123, 355-61	3.6	94

272	Organophosphorus flame retardants and phthalate esters in indoor dust from different microenvironments: Bioaccessibility and risk assessment. <i>Chemosphere</i> , <b>2016</b> , 150, 528-535	8.4	93
271	Growth responses of three ornamental plants to Cd and Cd-Pb stress and their metal accumulation characteristics. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 151, 261-7	12.8	91
270	Human exposure to polycyclic aromatic hydrocarbons: Metabolomics perspective. <i>Environment International</i> , <b>2018</b> , 119, 466-477	12.9	88
269	Mycorrhizae increase arsenic uptake by the hyperaccumulator Chinese brake fern ( <i>Pteris vittata</i> L.). <i>Journal of Environmental Quality</i> , <b>2005</b> , 34, 2181-6	3.4	88
268	Activated charcoal based diffusive gradients in thin films for in situ monitoring of bisphenols in waters. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 801-7	7.8	83
267	Concentrations and Distributions of Eleven Metals in Florida Soils. <i>Journal of Environmental Quality</i> , <b>1997</b> , 26, 769-775	3.4	83
266	Source, distribution, and health risk assessment of polycyclic aromatic hydrocarbons in urban street dust from Tianjin, China. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 2817-25	5.1	82
265	Assessment of in vitro lead bioaccessibility in house dust and its relationship to in vivo lead relative bioavailability. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 8548-55	10.3	81
264	Arsenic-resistant bacteria solubilized arsenic in the growth media and increased growth of arsenic hyperaccumulator <i>Pteris vittata</i> L. <i>Bioresource Technology</i> , <b>2011</b> , 102, 8756-61	11	79
263	Effects of arsenic species and phosphorus on arsenic absorption, arsenate reduction and thiol formation in excised parts of <i>Pteris vittata</i> L.. <i>Environmental and Experimental Botany</i> , <b>2004</b> , 51, 121-131	5.9	79
262	Lead bioaccessibility in 12 contaminated soils from China: Correlation to lead relative bioavailability and lead in different fractions. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 295, 55-62	12.8	76
261	Novel precipitated zirconia-based DGT technique for high-resolution imaging of oxyanions in waters and sediments. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 3653-61	10.3	76
260	Effects of Phosphate Rock on Sequential Chemical Extraction of Lead in Contaminated Soils. <i>Journal of Environmental Quality</i> , <b>1997</b> , 26, 788-794	3.4	76
259	Characterization of aqueous lead removal by phosphatic clay: equilibrium and kinetic studies. <i>Journal of Hazardous Materials</i> , <b>2006</b> , 136, 654-62	12.8	76
258	Arsenic Background Concentrations in Florida, U.S.A. Surface Soils: Determination and Interpretation. <i>Environmental Forensics</i> , <b>2001</b> , 2, 117-126	1.6	76
257	Knocking Out OsPT4 Gene Decreases Arsenate Uptake by Rice Plants and Inorganic Arsenic Accumulation in Rice Grains. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12131-12138	10.3	74
256	Effect of aging on arsenic and lead fractionation and availability in soils: coupling sequential extractions with diffusive gradients in thin-films technique. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 273, 272-9	12.8	74
255	Colloid Deposition and Release in Soils and Their Association With Heavy Metals. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2011</b> , 41, 336-372	11.1	74

254	Polycyclic Aromatic Hydrocarbons in Urban Soils of Different Land Uses in Miami, Florida. <i>Soil and Sediment Contamination</i> , <b>2010</b> , 19, 231-243	3.2	73
253	Phytoremediation of arsenic-contaminated groundwater by the arsenic hyperaccumulating fern <i>Pteris vittata</i> L. <i>International Journal of Phytoremediation</i> , <b>2004</b> , 6, 35-47	3.9	72
252	Cu, Cr and As distribution in soils adjacent to pressure-treated decks, fences and poles. <i>Environmental Pollution</i> , <b>2003</b> , 124, 407-17	9.3	71
251	A label-free and portable graphene FET aptasensor for children blood lead detection. <i>Scientific Reports</i> , <b>2016</b> , 6, 21711	4.9	70
250	Characterization of arsenic-resistant endophytic bacteria from hyperaccumulators <i>Pteris vittata</i> and <i>Pteris multifida</i> . <i>Chemosphere</i> , <b>2014</b> , 113, 9-16	8.4	69
249	An arsenate-activated glutaredoxin from the arsenic hyperaccumulator fern <i>Pteris vittata</i> L. regulates intracellular arsenite. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 6095-101	5.4	67
248	Arsenic transformation in the growth media and biomass of hyperaccumulator <i>Pteris vittata</i> L. <i>Bioresource Technology</i> , <b>2010</b> , 101, 8024-30	11	65
247	Colloid-facilitated Pb transport in two shooting-range soils in Florida. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 177, 620-5	12.8	63
246	Rhizosphere characteristics of two arsenic hyperaccumulating <i>Pteris</i> ferns. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 4711-6	10.2	62
245	Arsenic speciation and transport in <i>Pteris vittata</i> L. and the effects on phosphorus in the xylem sap. <i>Environmental and Experimental Botany</i> , <b>2005</b> , 54, 239-247	5.9	62
244	Aqueous Pb Reduction in Pb-Contaminated Soils by Florida Phosphate Rocks. <i>Water, Air, and Soil Pollution</i> , <b>1999</b> , 110, 1-16	2.6	61
243	Recent advances in arsenic bioavailability, transport, and speciation in rice. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 5742-50	5.1	57
242	Expression of a <i>Pteris vittata</i> glutaredoxin PvGRX5 in transgenic <i>Arabidopsis thaliana</i> increases plant arsenic tolerance and decreases arsenic accumulation in the leaves. <i>Plant, Cell and Environment</i> , <b>2009</b> , 32, 851-8	8.4	57
241	Phosphorus solubilization and plant growth enhancement by arsenic-resistant bacteria. <i>Chemosphere</i> , <b>2015</b> , 134, 1-6	8.4	56
240	Weathering of Lead Bullets and Their Environmental Effects at Outdoor Shooting Ranges. <i>Journal of Environmental Quality</i> , <b>2003</b> , 32, 526	3.4	56
239	Characterization of arsenic-resistant bacteria from the rhizosphere of arsenic hyperaccumulator <i>Pteris vittata</i> . <i>Canadian Journal of Microbiology</i> , <b>2010</b> , 56, 236-46	3.2	54
238	Responses of non-protein thiols to Cd exposure in Cd hyperaccumulator <i>Arabis paniculata</i> Franch. <i>Environmental and Experimental Botany</i> , <b>2009</b> , 66, 242-248	5.9	54
237	Uptake and translocation of arsenite and arsenate by <i>Pteris vittata</i> L.: Effects of silicon, boron and mercury. <i>Environmental and Experimental Botany</i> , <b>2010</b> , 68, 222-229	5.9	54

236	Arsenic speciation in Chinese brake fern by ion-pair high-performance liquid chromatography-inductively coupled plasma mass spectroscopy. <i>Analytica Chimica Acta</i> , <b>2004</b> , 504, 199-207	6.6	54
235	Influence of pollution control on lead inhalation bioaccessibility in PM2.5: A case study of 2014 Youth Olympic Games in Nanjing. <i>Environment International</i> , <b>2016</b> , 94, 69-75	12.9	54
234	Accumulation and availability of copper in citrus grove soils as affected by fungicide application. <i>Journal of Soils and Sediments</i> , <b>2011</b> , 11, 639-648	3.4	53
233	High As exposure induced substantial arsenite efflux in As-hyperaccumulator <i>Pteris vittata</i> . <i>Chemosphere</i> , <b>2016</b> , 144, 2189-94	8.4	52
232	Sparingly-soluble phosphate rock induced significant plant growth and arsenic uptake by <i>Pteris vittata</i> from three contaminated soils. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 5311-8	10.3	51
231	Effects of Soil Property and Soil Amendment on Weathering of Abraded Metallic Pb in Shooting Ranges. <i>Water, Air, and Soil Pollution</i> , <b>2007</b> , 178, 297-307	2.6	51
230	Assessment of cadmium bioaccessibility to predict its bioavailability in contaminated soils. <i>Environment International</i> , <b>2016</b> , 94, 600-606	12.9	51
229	Effects of storage temperature and duration on release of antimony and bisphenol A from polyethylene terephthalate drinking water bottles of China. <i>Environmental Pollution</i> , <b>2014</b> , 192, 113-20	9.3	50
228	Mechanisms of arsenic disruption on gonadal, adrenal and thyroid endocrine systems in humans: A review. <i>Environment International</i> , <b>2016</b> , 95, 61-8	12.9	50
227	Mechanisms of efficient As solubilization in soils and As accumulation by As-hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Pollution</i> , <b>2017</b> , 227, 569-577	9.3	49
226	Characterization of Lead in Soils of a Rifle/Pistol Shooting Range in Central Florida, USA. <i>Soil and Sediment Contamination</i> , <b>2002</b> , 11, 1-17	3.2	49
225	Factors Influencing the Effectiveness and Stability of Aqueous Lead Immobilization by Hydroxyapatite. <i>Journal of Environmental Quality</i> , <b>1996</b> , 25, 1420-1429	3.4	49
224	Arsenic Induced Phytate Exudation, and Promoted FeAsO <sub>4</sub> Dissolution and Plant Growth in As-Hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9070-7	10.3	49
223	PAHs in urban soils of two Florida cities: Background concentrations, distribution, and sources. <i>Chemosphere</i> , <b>2019</b> , 214, 220-227	8.4	49
222	Heterologous Expression of <i>Pteris vittata</i> Arsenite Antiporter PvACR3;1 Reduces Arsenic Accumulation in Plant Shoots. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 10387-10395	10.3	48
221	Bacterial ability in As(III) oxidation and As(V) reduction: Relation to arsenic tolerance, P uptake, and siderophore production. <i>Chemosphere</i> , <b>2015</b> , 138, 995-1000	8.4	48
220	Raspberry derived mesoporous carbon-tubules and fixed-bed adsorption of pharmaceutical drugs. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 1126-1132	6.3	47
219	Arsenic resistance in <i>Pteris vittata</i> L.: identification of a cytosolic triosephosphate isomerase based on cDNA expression cloning in <i>Escherichia coli</i> . <i>Plant Molecular Biology</i> , <b>2006</b> , 62, 845-57	4.6	47



218	Absorption of foliar-applied arsenic by the arsenic hyperaccumulating fern ( <i>Pteris vittata</i> L.). <i>Science of the Total Environment</i> , <b>2004</b> , 332, 61-70	10.2	47
217	Mechanisms of efficient arsenite uptake by arsenic hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 9719-25	10.3	46
216	Arsenic hyperaccumulation in the Chinese brake fern ( <i>Pteris vittata</i> ) deters grasshopper ( <i>Schistocerca americana</i> ) herbivory. <i>New Phytologist</i> , <b>2007</b> , 175, 363-369	9.8	46
215	Bacteria-mediated arsenic oxidation and reduction in the growth media of arsenic hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 11259-66	10.3	45
214	Relationship between compost stability and extractable organic carbon. <i>Journal of Environmental Quality</i> , <b>2002</b> , 31, 1323-8	3.4	45
213	Characteristics of Arsenic Accumulation by <i>Pteris</i> and non- <i>Pteris</i> Ferns. <i>Plant and Soil</i> , <b>2005</b> , 277, 117-126	4.2	45
212	Trace Metal Leachability of Land-Disposed Dredged Sediments. <i>Journal of Environmental Quality</i> , <b>2000</b> , 29, 1124-1132	3.4	45
211	Metal concentrations in traditional and herbal teas and their potential risks to human health. <i>Science of the Total Environment</i> , <b>2018</b> , 633, 649-657	10.2	44
210	Effects of arsenic on nitrate metabolism in arsenic hyperaccumulating and non-hyperaccumulating ferns. <i>Environmental Pollution</i> , <b>2009</b> , 157, 2300-5	9.3	44
209	Comparison of Arsenic and Phosphate Uptake and Distribution in Arsenic Hyperaccumulating and Nonhyperaccumulating Fern. <i>Journal of Plant Nutrition</i> , <b>2005</b> , 27, 1227-1242	2.3	44
208	Impact of particle size on distribution and human exposure of flame retardants in indoor dust. <i>Environmental Research</i> , <b>2018</b> , 162, 166-172	7.9	43
207	Arsenic enhanced plant growth and altered rhizosphere characteristics of hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Pollution</i> , <b>2014</b> , 194, 105-111	9.3	43
206	The in vitro and in vivo biocompatibility evaluation of electrospun recombinant spider silk protein/PCL/gelatin for small caliber vascular tissue engineering scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 163, 19-28	6	43
205	Arsenic bioaccessibility in contaminated soils: Coupling in vitro assays with sequential and HNO <sub>3</sub> extraction. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 295, 145-52	12.8	42
204	In situ measurement of perfluoroalkyl substances in aquatic systems using diffusive gradients in thin-films technique. <i>Water Research</i> , <b>2018</b> , 144, 162-171	12.5	42
203	<i>Pteris vittata</i> continuously removed arsenic from non-labile fraction in three contaminated-soils during 3.5 years of phytoextraction. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 279, 485-92	12.8	42
202	Temporal and spatial trends of total petroleum hydrocarbons in the seawater of Bohai Bay, China from 1996 to 2005. <i>Marine Pollution Bulletin</i> , <b>2010</b> , 60, 238-43	6.7	42
201	Toxic metals in children's toys and jewelry: coupling bioaccessibility with risk assessment. <i>Environmental Pollution</i> , <b>2015</b> , 200, 77-84	9.3	41



200	Inhalation bioaccessibility of PAHs in PM: Implications for risk assessment and toxicity prediction. <i>Science of the Total Environment</i> , <b>2019</b> , 650, 56-64	10.2	41
199	Arsenic-hyperaccumulator <i>Pteris vittata</i> efficiently solubilized phosphate rock to sustain plant growth and As uptake. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 330, 68-75	12.8	40
198	Novel Speciation Method Based on Diffusive Gradients in Thin-Films for in Situ Measurement of Cr(VI) in Aquatic Systems. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 14267-73	10.3	40
197	Arsenic uptake, arsenite efflux and plant growth in hyperaccumulator <i>Pteris vittata</i> : Role of arsenic-resistant bacteria. <i>Chemosphere</i> , <b>2016</b> , 144, 1937-42	8.4	40
196	Arsenic transformation and plant growth promotion characteristics of As-resistant endophytic bacteria from As-hyperaccumulator <i>Pteris vittata</i> . <i>Chemosphere</i> , <b>2016</b> , 144, 1233-40	8.4	40
195	Antimony uptake, efflux and speciation in arsenic hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Pollution</i> , <b>2014</b> , 186, 110-4	9.3	40
194	Effects of sample storage on biosolids compost stability and maturity evaluation. <i>Journal of Environmental Quality</i> , <b>2001</b> , 30, 222-8	3.4	40
193	Leachability of Cu and Ni in wood ash-amended soil as impacted by humic and fulvic acid. <i>Geoderma</i> , <b>2002</b> , 108, 31-47	6.7	40
192	Enhancing phytoremediation of hazardous metal(loid)s using genome engineering CRISPR-Cas9 technology. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 414, 125493	12.8	40
191	Mechanisms of housedust-induced toxicity in primary human corneal epithelial cells: Oxidative stress, proinflammatory response and mitochondrial dysfunction. <i>Environment International</i> , <b>2016</b> , 89-90, 30-7	12.9	39
190	Sulfate and chromate increased each other's uptake and translocation in As-hyperaccumulator <i>Pteris vittata</i> . <i>Chemosphere</i> , <b>2016</b> , 147, 36-43	8.4	39
189	Arsenic Relative Bioavailability in Contaminated Soils: Comparison of Animal Models, Dosing Schemes, and Biological End Points. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 453-61	10.3	39
188	Sulfate and glutathione enhanced arsenic accumulation by arsenic hyperaccumulator <i>Pteris vittata</i> L. <i>Environmental Pollution</i> , <b>2010</b> , 158, 1530-5	9.3	39
187	Advances in in vitro methods to evaluate oral bioaccessibility of PAHs and PBDEs in environmental matrices. <i>Chemosphere</i> , <b>2016</b> , 150, 378-389	8.4	39
186	Microbial siderophores and root exudates enhanced goethite dissolution and Fe/As uptake by As-hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Pollution</i> , <b>2017</b> , 223, 230-237	9.3	38
185	Arsenic Relative Bioavailability in Rice Using a Mouse Arsenic Urinary Excretion Bioassay and Its Application to Assess Human Health Risk. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 4689-4696	10.3	38
184	Arsenic removal by As-hyperaccumulator <i>Pteris vittata</i> from two contaminated soils: A 5-year study. <i>Chemosphere</i> , <b>2018</b> , 206, 736-741	8.4	38
183	Effects of nutrients on arsenic accumulation by arsenic hyperaccumulator <i>Pteris vittata</i> L.. <i>Environmental and Experimental Botany</i> , <b>2008</b> , 62, 231-237	5.9	38

182	Arsenic complexes in the arsenic hyperaccumulator <i>Pteris vittata</i> (Chinese brake fern). <i>Journal of Chromatography A</i> , <b>2004</b> , 1043, 249-54	4.5	38
181	Lead distribution in near-surface soils of two Florida cities: Gainesville and Miami. <i>Geoderma</i> , <b>2004</b> , 119, 113-120	6.7	38
180	Molecular mechanisms of dust-induced toxicity in human corneal epithelial cells: Water and organic extract of office and house dust. <i>Environment International</i> , <b>2016</b> , 92-93, 348-56	12.9	38
179	High-resolution measurement and mapping of tungstate in waters, soils and sediments using the low-disturbance DGT sampling technique. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 316, 69-76	12.8	38
178	Applying Cadmium Relative Bioavailability to Assess Dietary Intake from Rice to Predict Cadmium Urinary Excretion in Nonsmokers. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6756-6764	10.3	37
177	Metal leachability from coal combustion residuals under different pHs and liquid/solid ratios. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 341, 66-74	12.8	36
176	In vitro bioaccessibility and in vivo relative bioavailability in 12 contaminated soils: Method comparison and method development. <i>Science of the Total Environment</i> , <b>2015</b> , 532, 812-20	10.2	35
175	Straw enhanced CO <sub>2</sub> and CH <sub>4</sub> but decreased N <sub>2</sub> O emissions from flooded paddy soils: Changes in microbial community compositions. <i>Atmospheric Environment</i> , <b>2018</b> , 174, 171-179	5.3	35
174	Effect of phosphate amendment on relative bioavailability and bioaccessibility of lead and arsenic in contaminated soils. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 339, 256-263	12.8	34
173	Effects of Acidification on Metal Mobility in a Papermill-Ash Amended Soil. <i>Journal of Environmental Quality</i> , <b>1999</b> , 28, 760-766	3.4	34
172	Effect of aging on bioaccessibility of arsenic and lead in soils. <i>Chemosphere</i> , <b>2016</b> , 151, 94-100	8.4	33
171	Predicting the Relative Bioavailability of DDT and Its Metabolites in Historically Contaminated Soils Using a Tenax-Improved Physiologically Based Extraction Test (TI-PBET). <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1118-25	10.3	33
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168	Fluoride concentrations in traditional and herbal teas: Health risk assessment. <i>Environmental Pollution</i> , <b>2017</b> , 231, 779-784	9.3	32
167	Arsenic and phosphate rock impacted the abundance and diversity of bacterial arsenic oxidase and reductase genes in rhizosphere of As-hyperaccumulator <i>Pteris vittata</i> . <i>Journal of Hazardous Materials</i> , <b>2017</b> , 321, 146-153	12.8	32
166	Uptake and translocation of arsenite by <i>Pteris vittata</i> L.: effects of glycerol, antimonite and silver. <i>Environmental Pollution</i> , <b>2011</b> , 159, 3490-5	9.3	32
165	A diffusive gradients in thin-films technique for the assessment of bisphenols desorption from soils. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 331, 321-328	12.8	31

164	Metal tolerance of arsenic-resistant bacteria and their ability to promote plant growth of <i>Pteris vittata</i> in Pb-contaminated soil. <i>Science of the Total Environment</i> , <b>2019</b> , 660, 18-24	10.2	31
163	Ionic strength reduction and flow interruption enhanced colloid-facilitated Hg transport in contaminated soils. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 264, 286-92	12.8	31
162	Organic adsorbents modified with citric acid and Fe <sub>3</sub> O <sub>4</sub> enhance the removal of Cd and Pb in contaminated solutions. <i>Chemical Engineering Journal</i> , <b>2020</b> , 395, 125108	14.7	31
161	Effects of organophosphorus flame retardant TDCPP on normal human corneal epithelial cells: Implications for human health. <i>Environmental Pollution</i> , <b>2017</b> , 230, 22-30	9.3	30
160	Speciation, bioaccessibility and potential risk of chromium in Amazon forest soils. <i>Environmental Pollution</i> , <b>2018</b> , 239, 384-391	9.3	30
159	Determination of 2,6-di-tert-butyl-hydroxytoluene and its transformation products in indoor dust and sediment by gas chromatography-mass spectrometry coupled with precolumn derivatization. <i>Science of the Total Environment</i> , <b>2018</b> , 619-620, 552-558	10.2	30
158	Effects of Incubation and Phosphate Rock on Lead Extractability and Speciation in Contaminated Soils. <i>Journal of Environmental Quality</i> , <b>1997</b> , 26, 801-807	3.4	30
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150	Oral Bioavailability of As, Pb, and Cd in Contaminated Soils, Dust, and Foods based on Animal Bioassays: A Review. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 10545-10559	10.3	28
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148	Comparison of arsenic bioaccessibility in housedust and contaminated soils based on four in vitro assays. <i>Science of the Total Environment</i> , <b>2015</b> , 532, 803-11	10.2	27
147	Biomass reduction and arsenic transformation during composting of arsenic-rich hyperaccumulator <i>Pteris vittata</i> L. <i>Environmental Science and Pollution Research</i> , <b>2010</b> , 17, 586-94	5.1	27

146	Effects of Soil on Trace Metal Leachability from Papermill Ashes and Sludge. <i>Journal of Environmental Quality</i> , <b>1999</b> , 28, 321-333	3.4	27
145	Synthetic phenolic antioxidants and their major metabolites in human fingernail. <i>Environmental Research</i> , <b>2019</b> , 169, 308-314	7.9	27
144	Emerging PAHs in urban soils: Concentrations, bioaccessibility, and spatial distribution. <i>Science of the Total Environment</i> , <b>2019</b> , 670, 800-805	10.2	26
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142	Comparing CaCl, EDTA and DGT methods to predict Cd and Ni accumulation in rice grains from contaminated soils. <i>Environmental Pollution</i> , <b>2020</b> , 260, 114042	9.3	26
141	Biocatalytic Synthesis Pathways, Transformation, and Toxicity of Nanoparticles in the Environment. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2014</b> , 44, 1679-1739	11.1	26
140	Effects of Cu and Ca cations and Fe/Al coating on ciprofloxacin sorption onto sand media. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 252-253, 375-81	12.8	26
139	Expression of New Phosphate Transporter PvPht1;4 Reduces Arsenic Translocation from the Roots to Shoots in Tobacco Plants. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 1045-1053	10.3	26
138	Novel Method for in Situ Monitoring of Organophosphorus Flame Retardants in Waters. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 10016-10023	7.8	25
137	Effects of incubation on solubility and mobility of trace metals in two contaminated soils. <i>Environmental Pollution</i> , <b>2004</b> , 130, 301-7	9.3	25
136	Arsenic uptake by lettuce from As-contaminated soil remediated with <i>Pteris vittata</i> and organic amendment. <i>Chemosphere</i> , <b>2017</b> , 176, 249-254	8.4	24
135	Mineral Dietary Supplement To Decrease Cadmium Relative Bioavailability in Rice Based on a Mouse Bioassay. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12123-12130	10.3	24
134	Assessment of trace metals in five most-consumed vegetables in the US: Conventional vs. organic. <i>Environmental Pollution</i> , <b>2018</b> , 243, 292-300	9.3	24
133	Heterologous Expression of Phosphate Transporter PvPht1;3 Enhances Arsenic Translocation to and Accumulation in Tobacco Shoots. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 10636-10644	10.3	24
132	Cleaning-induced arsenic mobilization and chromium oxidation from CCA-wood deck: Potential risk to children. <i>Environment International</i> , <b>2015</b> , 82, 35-40	12.9	24
131	Effects of Zn on plant tolerance and non-protein thiol accumulation in Zn hyperaccumulator <i>Arabis paniculata</i> Franch. <i>Environmental and Experimental Botany</i> , <b>2011</b> , 70, 227-232	5.9	24
130	Comparison of arsenic accumulation in 18 fern species and four <i>Pteris vittata</i> accessions. <i>Bioresource Technology</i> , <b>2010</b> , 101, 2691-9	11	24
129	Impact of particle size on distribution, bioaccessibility, and cytotoxicity of polycyclic aromatic hydrocarbons in indoor dust. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 357, 341-347	12.8	24

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127	Spatial and temporal changes of P and Ca distribution and fractionation in soil and sediment in a karst farmland-wetland system. <i>Chemosphere</i> , <b>2019</b> , 220, 644-650	8.4	23
126	Coupling bioavailability and stable isotope ratio to discern dietary and non-dietary contribution of metal exposure to residents in mining-impacted areas. <i>Environment International</i> , <b>2018</b> , 120, 563-571	12.9	23
125	Emerging and legacy PAHs in urban soils of four small cities: Concentrations, distribution, and sources. <i>Science of the Total Environment</i> , <b>2019</b> , 685, 463-470	10.2	22
124	Measurements of Free Zinc <sup>2+</sup> Activity in Uncontaminated and Contaminated Soils Using Chelation. <i>Soil Science Society of America Journal</i> , <b>1993</b> , 57, 963-967	2.5	22
123	Effects of novel brominated flame retardant TBPH and its metabolite TBMEHP on human vascular endothelial cells: Implication for human health risks. <i>Environmental Research</i> , <b>2017</b> , 156, 834-842	7.9	21
122	Uptake of antimonite and antimonate by arsenic hyperaccumulator <i>Pteris vittata</i> : Effects of chemical analogs and transporter inhibitor. <i>Environmental Pollution</i> , <b>2015</b> , 206, 49-55	9.3	21
121	Short-term exposure of arsenite disrupted thyroid endocrine system and altered gene transcription in the HPT axis in zebrafish. <i>Environmental Pollution</i> , <b>2015</b> , 205, 145-52	9.3	21
120	Effects of Plant Age on Arsenic Hyperaccumulation by <i>Pteris vittata</i> L.. <i>Water, Air, and Soil Pollution</i> , <b>2007</b> , 186, 289-295	2.6	21
119	Arsenic Concentrations, Speciation, and Localization in 141 Cultivated Market Mushrooms: Implications for Arsenic Exposure to Humans. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 503-511	10.3	21
118	Catecholate-siderophore produced by As-resistant bacterium effectively dissolved FeAsO <sub>4</sub> and promoted <i>Pteris vittata</i> growth. <i>Environmental Pollution</i> , <b>2015</b> , 206, 376-81	9.3	20
117	Montmorillonite enhanced ciprofloxacin transport in saturated porous media with sorbed ciprofloxacin showing antibiotic activity. <i>Journal of Contaminant Hydrology</i> , <b>2015</b> , 173, 1-7	3.9	20
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115	Novel DGT method with tri-metal oxide adsorbent for in situ spatiotemporal flux measurement of fluoride in waters and sediments. <i>Water Research</i> , <b>2016</b> , 99, 200-208	12.5	20
114	Arsenic impacted the development, thyroid hormone and gene transcription of thyroid hormone receptors in bighead carp larvae ( <i>Hypophthalmichthys nobilis</i> ). <i>Journal of Hazardous Materials</i> , <b>2016</b> , 303, 76-82	12.8	20
113	Transport and interactions of kaolinite and mercury in saturated sand media. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 213-214, 93-9	12.8	20
112	Relation of enhanced Pb solubility to Fe partitioning in soils. <i>Environmental Pollution</i> , <b>2000</b> , 110, 515-22	9.3	20
111	Coupling biological assays with diffusive gradients in thin-films technique to study the biological responses of <i>Eisenia fetida</i> to cadmium in soil. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 339, 340-346	12.8	19

110	Arsenic Uptake by Two Hyperaccumulator Ferns from Four Arsenic Contaminated Soils. <i>Water, Air, and Soil Pollution</i> , <b>2005</b> , 168, 71-89	2.6	19
109	Organoarsenical compounds: Occurrence, toxicology and biotransformation. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2020</b> , 50, 217-243	11.1	19
108	Interactive effects of As, Cd and Zn on their uptake and oxidative stress in As-hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Pollution</i> , <b>2019</b> , 248, 756-762	9.3	18
107	Cellular responses of normal (HL-7702) and cancerous (HepG2) hepatic cells to dust extract exposure. <i>Chemosphere</i> , <b>2018</b> , 193, 1189-1197	8.4	18
106	Chromate and phosphate inhibited each other's uptake and translocation in arsenic hyperaccumulator <i>Pteris vittata</i> L. <i>Environmental Pollution</i> , <b>2015</b> , 197, 240-246	9.3	18
105	Chemical and physical characterization of lead in three shooting range soils in Florida. <i>Chemical Speciation and Bioavailability</i> , <b>2011</b> , 23, 163-169		18
104	Arsenic reduced scale-insect infestation on arsenic hyperaccumulator <i>Pteris vittata</i> L.. <i>Environmental and Experimental Botany</i> , <b>2009</b> , 65, 282-286	5.9	18
103	Efficient arsenate reduction by As-resistant bacterium <i>Bacillus</i> sp. strain PVR-YHB1-1: Characterization and genome analysis. <i>Chemosphere</i> , <b>2019</b> , 218, 1061-1070	8.4	18
102	Arsanilic acid contributes more to total arsenic than roxarsone in chicken meat from Chinese markets. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 383, 121178	12.8	18
101	Mechanisms of Cd and Cu induced toxicity in human gastric epithelial cells: Oxidative stress, cell cycle arrest and apoptosis. <i>Science of the Total Environment</i> , <b>2021</b> , 756, 143951	10.2	18
100	Phytate induced arsenic uptake and plant growth in arsenic-hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Pollution</i> , <b>2017</b> , 226, 212-218	9.3	17
99	Bioaccessibility of PAHs in contaminated soils: Comparison of five in vitro methods with Tenax as a sorption sink. <i>Science of the Total Environment</i> , <b>2017</b> , 601-602, 968-974	10.2	17
98	Anaerobic digestion to reduce biomass and remove arsenic from As-hyperaccumulator <i>Pteris vittata</i> . <i>Environmental Pollution</i> , <b>2019</b> , 250, 23-28	9.3	17
97	Remediation of Polluted Soil in China: Policy and Technology Bottlenecks. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 14027-14029	10.3	17
96	Impact of high-volume wood-fired boiler ash amendment on soil properties and nutrients. <i>Communications in Soil Science and Plant Analysis</i> , <b>2002</b> , 33, 1-17	1.5	17
95	Lead Relative Bioavailability in Lip Products and Their Potential Health Risk to Women. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 6036-43	10.3	17
94	In situ sampling and speciation method for measuring dissolved phosphite at ultratrace concentrations in the natural environment. <i>Water Research</i> , <b>2018</b> , 137, 281-289	12.5	16
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91	An interventional study of rice for reducing cadmium exposure in a Chinese industrial town. <i>Environment International</i> , <b>2019</b> , 122, 301-309	12.9	16
90	Source identification of PAHs in soils based on stable carbon isotopic signatures. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2018</b> , 48, 923-948	11.1	16
89	Lead relative bioavailability in soils based on different endpoints of a mouse model. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 326, 94-100	12.8	15
88	Closely-related species of hyperaccumulating plants and their ability in accumulation of As, Cd, Cu, Mn, Ni, Pb and Zn. <i>Chemosphere</i> , <b>2020</b> , 251, 126334	8.4	15
87	Arsenic-induced nutrient uptake in As-hyperaccumulator <i>Pteris vittata</i> and their potential role to enhance plant growth. <i>Chemosphere</i> , <b>2018</b> , 198, 425-431	8.4	15
86	Arsenic removal from As-hyperaccumulator <i>Pteris vittata</i> biomass: Coupling extraction with precipitation. <i>Chemosphere</i> , <b>2018</b> , 193, 288-294	8.4	15
85	Food influence on lead relative bioavailability in contaminated soils: Mechanisms and health implications. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 358, 427-433	12.8	15
84	Molecular Mechanisms of Perfluorooctanoate-Induced Hepatocyte Apoptosis in Mice Using Proteomic Techniques. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 11380-11389	10.3	15
83	Optimum P levels for arsenic removal from contaminated groundwater by <i>Pteris vittata</i> L. of different ages. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 180, 662-7	12.8	15
82	Contribution of Asphalt Products to Total and Bioaccessible Polycyclic Aromatic Hydrocarbons. <i>International Journal of Environmental Research</i> , <b>2019</b> , 13, 499-509	2.9	14
81	Using rice as a remediating plant to deplete bioavailable arsenic from paddy soils. <i>Environment International</i> , <b>2020</b> , 141, 105799	12.9	14
80	Localized Intensification of Arsenic Release within the Emergent Rice Rhizosphere. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 3138-3147	10.3	14
79	Interactions of Gaseous 2-Chlorophenol with Fe-Saturated Montmorillonite and Their Toxicity to Human Lung Cells. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 5208-5217	10.3	14
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77	As, Cd, and Pb relative bioavailability in contaminated soils: Coupling mouse bioassay with UBM assay. <i>Environment International</i> , <b>2019</b> , 130, 104875	12.9	13
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70	Field-Scale Heterogeneity and Geochemical Regulation of Arsenic, Iron, Lead, and Sulfur Bioavailability in Paddy Soil. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 12098-12107	10.3	13
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65	Chemical compositions and source apportionment of PM during clear and hazy days: Seasonal changes and impacts of Youth Olympic Games. <i>Chemosphere</i> , <b>2020</b> , 256, 127163	8.4	12
64	Aquaporins mediated arsenite transport in plants: Molecular mechanisms and applications in crop improvement. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2020</b> , 50, 1613-1639	11.1	12
63	In Situ Selective Measurement of Se in Waters and Soils: Diffusive Gradients in Thin-Films with Bi-Functionalized Silica Nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 14140-14148	10.3	12
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61	Arsenate and fluoride enhanced each other's uptake in As-sensitive plant <i>Pteris ensiformis</i> . <i>Chemosphere</i> , <b>2017</b> , 180, 448-454	8.4	11
60	Efficient arsenate reduction in As-hyperaccumulator <i>Pteris vittata</i> are mediated by novel arsenate reductases PvHAC1 and PvHAC2. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 399, 122895	12.8	11
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48	<i>Pteris vittata</i> coupled with phosphate rock effectively reduced As and Cd uptake by water spinach from contaminated soil. <i>Chemosphere</i> , <b>2020</b> , 247, 125916	8.4	8
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46	Nanotoxicological effects and transcriptome mechanisms of wheat ( <i>Triticum aestivum</i> L.) under stress of polystyrene nanoplastics. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127241	12.8	8
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34	Antibiotic exposure decreases soil arsenic oral bioavailability in mice by disrupting ileal microbiota and metabolic profile. <i>Environment International</i> , <b>2021</b> , 151, 106444	12.9	6
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32	Novel PvACR3;2 and PvACR3;3 genes from arsenic-hyperaccumulator <i>Pteris vittata</i> and their roles in manipulating plant arsenic accumulation. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 415, 125647	12.8	6
31	Investigating Lead Species and Bioavailability in Contaminated Soils: Coupling DGT Technique with Artificial Gastrointestinal Extraction and in Vivo Bioassay. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 5717-5724	10.3	5
30	Effects of novel brominated flame retardants and metabolites on cytotoxicity in human umbilical vein endothelial cells. <i>Chemosphere</i> , <b>2020</b> , 253, 126653	8.4	5
29	Pollution characteristics and source analysis of microplastics in the Qiantang River in southeastern China.. <i>Chemosphere</i> , <b>2022</b> , 293, 133576	8.4	5
28	Naming and functions of ACR2, arsenate reductase, and ACR3 arsenite efflux transporter in plants (correspondence on: Kumar, S., Dubey, R.S., Tripathi, R.D., Chakrabarty, D., Trivedi, P.K., 2015. Omics and biotechnology of arsenic stress and detoxification in plants: current updates and prospective. <i>Environ Int.</i> 74:221-230.). <i>Environment International</i> , <b>2015</b> , 81, 98-9	12.9	4
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25	Application of diffusive gradients in thin-films technique for speciation, bioavailability, modeling and mapping of nutrients and contaminants in soils. <i>Critical Reviews in Environmental Science and Technology</i> , 1-45	11.1	4
24	Sequential fractionation and plant uptake of As, Cu, and Zn in a contaminated riparian wetland. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115734	9.3	4
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21	Organic extract of indoor dust induces estrogen-like effects in human breast cancer cells. <i>Science of the Total Environment</i> , <b>2020</b> , 726, 138505	10.2	3

20	Eugenol protects cells against oxidative stress via Nrf2. <i>Experimental and Therapeutic Medicine</i> , <b>2020</b> , 21, 107	2.1	3
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