Lena Q

List of Publications by Year
in descending order

325 papers	27,951 citations	7561 77 h-index	7511 151 g-index
328 all docs	328 docs citations	328 times ranked	18678 citing authors

#	Article	IF	Citations
1	A fern that hyperaccumulates arsenic. Nature, 2001, 409, 579-579.	13.7	1,538
2	Accumulation of Pb, Cu, and Zn in native plants growing on a contaminated Florida site. Science of the Total Environment, 2006, 368, 456-464.	3.9	1,290
3	Mechanisms of metal sorption by biochars: Biochar characteristics and modifications. Chemosphere, 2017, 178, 466-478.	4.2	1,180
4	Dairy-Manure Derived Biochar Effectively Sorbs Lead and Atrazine. Environmental Science & Technology, 2009, 43, 3285-3291.	4.6	1,025
5	In situ lead immobilization by apatite. Environmental Science & Technology, 1993, 27, 1803-1810.	4.6	617
6	Chemical Fractionation of Cadmium, Copper, Nickel, and Zinc in Contaminated Soils. Journal of Environmental Quality, 1997, 26, 259-264.	1.0	547
7	Simultaneous Immobilization of Lead and Atrazine in Contaminated Soils Using Dairy-Manure Biochar. Environmental Science & Technology, 2011, 45, 4884-4889.	4.6	503
8	Characteristics and mechanisms of hexavalent chromium removal by biochar from sugar beet tailing. Journal of Hazardous Materials, 2011, 190, 909-915.	6.5	461
9	Lead Immobilization from Aqueous Solutions and Contaminated Soils Using Phosphate Rocks. Environmental Science & Technology, 1995, 29, 1118-1126.	4.6	439
10	Comparison of Three Aqua Regia Digestion Methods for Twenty Florida Soils. Soil Science Society of America Journal, 2001, 65, 491-499.	1.2	372
11	Metabolic adaptations to arsenic-induced oxidative stress in Pteris vittata L and Pteris ensiformis L. Plant Science, 2006, 170, 274-282.	1.7	365
12	Arsenic speciation and distribution in an arsenic hyperaccumulating plant. Science of the Total Environment, 2002, 300, 167-177.	3.9	356
13	Effects of Aqueous Al, Cd, Cu, Fe(II), Ni, and Zn on Pb Immobilization by Hydroxyapatite. Environmental Science & Technology, 1994, 28, 1219-1228.	4.6	342
14	Immobilization of Zn, Cu, and Pb in contaminated soils using phosphate rock and phosphoric acid. Journal of Hazardous Materials, 2009, 164, 555-564.	6.5	326
15	Arsenic and selenium toxicity and their interactive effects in humans. Environment International, 2014, 69, 148-158.	4.8	322
16	Pyrolytic temperatures impact lead sorption mechanisms by bagasse biochars. Chemosphere, 2014, 105, 68-74.	4.2	299
17	Antioxidant responses of hyper-accumulator and sensitive fern species to arsenic. Journal of Experimental Botany, 2005, 56, 1335-1342.	2.4	293
18	Arsenic distribution and speciation in the fronds of the hyperaccumulator Pteris vittata. New Phytologist, 2002, 156, 195-203.	3.5	285

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19	Availability and Assessment of Fixing Additives for The in Situ Remediation of Heavy Metal Contaminated Soils: A Review. Environmental Monitoring and Assessment, 2006, 116, 513-528.	1.3	275
20	Effects of compost and phosphate amendments on arsenic mobility in soils and arsenic uptake by the hyperaccumulator, Pteris vittata L.. Environmental Pollution, 2003, 126, 157-167.	3.7	257
21	Baseline Concentrations of 15 Trace Elements in Florida Surface Soils. Journal of Environmental Quality, 1999, 28, 1173-1181.	1.0	253
22	Point of zero charge determination in soils and minerals via traditional methods and detection of electroacoustic mobility. Geoderma, 2003, 113, 77-93.	2.3	249
23	Impacts of Phosphate Amendments on Lead Biogeochemistry at a Contaminated Site. Environmental Science & Technology, 2002, 36, 5296-5304.	4.6	241
24	Arsenic Accumulation in the Hyperaccumulator Chinese Brake and Its Utilization Potential for Phytoremediation. Journal of Environmental Quality, 2002, 31, 1671-1675.	1.0	207
25	Mechanistic Investigation of Mercury Sorption by Brazilian Pepper Biochars of Different Pyrolytic Temperatures Based on X-ray Photoelectron Spectroscopy and Flow Calorimetry. Environmental Science & Technology, 2013, 47, 12156-12164.	4.6	203
26	Rhizosphere Characteristics of the Arsenic HyperaccumulatorPteris vittataL. and Monitoring of Phytoremoval Efficiency. Environmental Science & Technology, 2003, 37, 5008-5014.	4.6	200
27	Physicochemical and sorptive properties of biochars derived from woody and herbaceous biomass. Chemosphere, 2015, 134, 257-262.	4.2	198
28	Comparison of Methods for Evaluating Stability and Maturity of Biosolids Compost. Journal of Environmental Quality, 2000, 29, 424-429.	1.0	197
29	Effect of biochar and Fe-biochar on Cd and As mobility and transfer in soil-rice system. Chemosphere, 2017, 186, 928-937.	4.2	194
30	Enhanced Cr(VI) reduction and As(III) oxidation in ice phase: Important role of dissolved organic matter from biochar. Journal of Hazardous Materials, 2014, 267, 62-70.	6.5	191
31	Three new arsenic hyperaccumulating ferns. Science of the Total Environment, 2006, 364, 24-31.	3.9	179
32	Title is missing!. Plant and Soil, 2003, 249, 373-382.	1.8	170
33	Interactive effects of pH, arsenic and phosphorus on uptake of As and P and growth of the arsenic hyperaccumulator Pteris vittata L. under hydroponic conditions. Environmental and Experimental Botany, 2003, 50, 243-251.	2.0	168
34	XAS Speciation of Arsenic in a Hyper-Accumulating Fern. Environmental Science & Technology, 2003, 37, 754-760.	4.6	168
35	Molecular mechanisms of PFOA-induced toxicity in animals and humans: Implications for health risks. Environment International, 2017, 99, 43-54.	4.8	168
36	Human exposure to polycyclic aromatic hydrocarbons: Metabolomics perspective. Environment International, 2018, 119, 466-477.	4.8	164

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37	Field assessment of lead immobilization in a contaminated soil after phosphate application. Science of the Total Environment, 2003, 305, 117-127.	3.9	163
38	Effects of NO3-, Cl-, F-, SO42-, and CO32- on Pb2+ Immobilization by Hydroxyapatite. Environmental Science & Technology, 1994, 28, 408-418.	4.6	156
39	Root exudates and arsenic accumulation in arsenic hyperaccumulating Pteris vittata and non-hyperaccumulating Nephrolepis exaltata. Plant and Soil, 2004, 258, 9-19.	1.8	156
40	Comparison of Four USEPA Digestion Methods for Trace Metal Analysis Using Certified and Florida Soils. Journal of Environmental Quality, 1998, 27, 1294-1300.	1.0	152
41	Using phosphate rock to immobilize metals in soil and increase arsenic uptake by hyperaccumulator Pteris vittata. Science of the Total Environment, 2006, 359, 17-25.	3.9	152
42	Weathering of Lead Bullets and Their Environmental Effects at Outdoor Shooting Ranges. Journal of Environmental Quality, 2003, 32, 526-534.	1.0	146
43	Bioremediation of oily sludge-contaminated soil by stimulating indigenous microbes. Environmental Geochemistry and Health, 2010, 32, 23-29.	1.8	144
44	Heavy Metal Interactions with Phosphatic Clay: Sorption and Desorption Behavior. Journal of Environmental Quality, 2001, 30, 1961-1968.	1.0	139
45	Lead transformation and distribution in the soils of shooting ranges in Florida, USA. Science of the Total Environment, 2003, 307, 179-189.	3.9	133
46	Knocking Out <i>OsPT4</i> Gene Decreases Arsenate Uptake by Rice Plants and Inorganic Arsenic Accumulation in Rice Grains. Environmental Science & Technology, 2017, 51, 12131-12138.	4.6	133
47	Organophosphorus flame retardants and phthalate esters in indoor dust from different microenvironments: Bioaccessibility and risk assessment. Chemosphere, 2016, 150, 528-535.	4.2	128
48	Arsenic Transport in Rice and Biological Solutions to Reduce Arsenic Risk from Rice. Frontiers in Plant Science, 2017, 8, 268.	1.7	126
49	Effects of Arsenic Concentrations and Forms on Arsenic Uptake by the Hyperaccumulator Ladder Brake. Journal of Environmental Quality, 2002, 31, 641.	1.0	125
50	Effects of arsenic on concentration and distribution of nutrients in the fronds of the arsenic hyperaccumulator Pteris vittata L. Environmental Pollution, 2005, 135, 333-340.	3.7	124
51	Growth responses of three ornamental plants to Cd and Cdâ€"Pb stress and their metal accumulation characteristics. Journal of Hazardous Materials, 2008, 151, 261-267.	6.5	121
52	Antimony uptake, translocation and speciation in rice plants exposed to antimonite and antimonate. Science of the Total Environment, 2014, 475, 83-89.	3.9	120
53	Influence of compost on soil organic matter quality under tropical conditions. Geoderma, 2004, 123, 355-361.	2.3	118
54	Effects of pH and ionic strength on sulfamethoxazole and ciprofloxacin transport in saturated porous media. Journal of Contaminant Hydrology, 2011, 126, 29-36.	1.6	118

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55	Arsenic phytoextraction and hyperaccumulation by fern species. Scientia Agricola, 2006, 63, 90-101.	0.6	117
56	Phytoremediation of an Arsenic-Contaminated Site Using<i>Pteris vittata</i>L.: A Two-Year Study. International Journal of Phytoremediation, 2006, 8, 311-322.	1.7	115
57	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.	6.5	114
58	Lead contamination in shooting range soils from abrasion of lead bullets and subsequent weathering. Science of the Total Environment, 2004, 328, 175-183.	3.9	112
59	Concentrations and Distributions of Eleven Metals in Florida Soils. Journal of Environmental Quality, 1997, 26, 769-775.	1.0	108
60	Mycorrhizae Increase Arsenic Uptake by the Hyperaccumulator Chinese Brake Fern (Pteris vittata L.). Journal of Environmental Quality, 2005, 34, 2181-2186.	1.0	108
61	Activated Charcoal Based Diffusive Gradients in Thin Films for in Situ Monitoring of Bisphenols in Waters. Analytical Chemistry, 2015, 87, 801-807.	3.2	106
62	Novel Precipitated Zirconia-Based DGT Technique for High-Resolution Imaging of Oxyanions in Waters and Sediments. Environmental Science & Technology, 2015, 49, 3653-3661.	4.6	105
63	Polycyclic Aromatic Hydrocarbons in Urban Soils of Different Land Uses in Miami, Florida. Soil and Sediment Contamination, 2010, 19, 231-243.	1.1	98
64	Colloid Deposition and Release in Soils and Their Association With Heavy Metals. Critical Reviews in Environmental Science and Technology, 2011, 41, 336-372.	6.6	98
65	Source, distribution, and health risk assessment of polycyclic aromatic hydrocarbons in urban street dust from Tianjin, China. Environmental Science and Pollution Research, 2014, 21, 2817-2825.	2.7	98
66	Effects of Phosphate Rock on Sequential Chemical Extraction of Lead in Contaminated Soils. Journal of Environmental Quality, 1997, 26, 788-794.	1.0	97
67	Arsenic-resistant bacteria solubilized arsenic in the growth media and increased growth of arsenic hyperaccumulator Pteris vittata L.. Bioresource Technology, 2011, 102, 8756-8761.	4.8	97
68	Assessment of <i>in Vitro</i> Lead Bioaccessibility in House Dust and Its Relationship to <i>in Vivo</i> Lead Relative Bioavailability. Environmental Science & Technology, 2014, 48, 8548-8555.	4.6	97
69	Arsenic Background Concentrations in Florida, U.S.A. Surface Soils: Determination and Interpretation. Environmental Forensics, 2001, 2, 117-126.	1.3	92
70	Effects of arsenic species and phosphorus on arsenic absorption, arsenate reduction and thiol formation in excised parts of Pteris vittata L.. Environmental and Experimental Botany, 2004, 51, 121-131.	2.0	88
71	A label-free and portable graphene FET aptasensor for children blood lead detection. Scientific Reports, 2016, 6, 21711.	1.6	88
72	Colloid-facilitated Pb transport in two shooting-range soils in Florida. Journal of Hazardous Materials, 2010, 177, 620-625.	6.5	86

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73	Phytoremediation of Arsenic-Contaminated Groundwater by the Arsenic Hyperaccumulating FernPteris vittataL.. International Journal of Phytoremediation, 2004, 6, 35-47.	1.7	84
74	Cu, Cr and As distribution in soils adjacent to pressure-treated decks, fences and poles. Environmental Pollution, 2003, 124, 407-417.	3.7	83
75	Characterization of aqueous lead removal by phosphatic clay: Equilibrium and kinetic studies. Journal of Hazardous Materials, 2006, 136, 654-662.	6.5	83
76	Effect of aging on arsenic and lead fractionation and availability in soils: Coupling sequential extractions with diffusive gradients in thin-films technique. Journal of Hazardous Materials, 2014, 273, 272-279.	6.5	83
77	Characterization of arsenic-resistant endophytic bacteria from hyperaccumulators Pteris vittata and Pteris multifida. Chemosphere, 2014, 113, 9-16.	4.2	83
78	Metal concentrations in traditional and herbal teas and their potential risks to human health. Science of the Total Environment, 2018, 633, 649-657.	3.9	82
79	Arsenic, lead, and cadmium bioaccessibility in contaminated soils: Measurements and validations. Critical Reviews in Environmental Science and Technology, 2020, 50, 1303-1338.	6.6	82
80	Effects of storage temperature and duration on release of antimony and bisphenol A from polyethylene terephthalate drinking water bottles of China. Environmental Pollution, 2014, 192, 113-120.	3.7	81
81	An Arsenate-activated Glutaredoxin from the Arsenic Hyperaccumulator Fern Pteris vittata L. Regulates Intracellular Arsenite. Journal of Biological Chemistry, 2008, 283, 6095-6101.	1.6	80
82	PAHs in urban soils of two Florida cities: Background concentrations, distribution, and sources. Chemosphere, 2019, 214, 220-227.	4.2	79
83	Mechanisms of arsenic disruption on gonadal, adrenal and thyroid endocrine systems in humans: A review. Environment International, 2016, 95, 61-68.	4.8	78
84	Arsenic transformation in the growth media and biomass of hyperaccumulator Pteris vittata L.. Bioresource Technology, 2010, 101, 8024-8030.	4.8	76
85	Phosphorus solubilization and plant growth enhancement by arsenic-resistant bacteria. Chemosphere, 2015, 134, 1-6.	4.2	76
86	Enhancing phytoremediation of hazardous metal(loid)s using genome engineering CRISPRâ€“Cas9 technology. Journal of Hazardous Materials, 2021, 414, 125493.	6.5	74
87	Arsenic speciation and transport in Pteris vittata L. and the effects on phosphorus in the xylem sap. Environmental and Experimental Botany, 2005, 54, 239-247.	2.0	73
88	Accumulation and availability of copper in citrus grove soils as affected by fungicide application. Journal of Soils and Sediments, 2011, 11, 639-648.	1.5	72
89	Characterization of arsenic-resistant bacteria from the rhizosphere of arsenic hyperaccumulator<i>Pteris vittata</i>. Canadian Journal of Microbiology, 2010, 56, 236-246.	0.8	71
90	Recent advances in arsenic bioavailability, transport, and speciation in rice. Environmental Science and Pollution Research, 2015, 22, 5742-5750.	2.7	71

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91	Assessment of cadmium bioaccessibility to predict its bioavailability in contaminated soils. Environment International, 2016, 94, 600-606.	4.8	71
92	Arsenic Induced Phytate Exudation, and Promoted FeAsO₄ Dissolution and Plant Growth in As-Hyperaccumulator <i>Pteris vittata</i>. Environmental Science & Technology, 2016, 50, 9070-9077.	4.6	71
93	Rhizosphere characteristics of two arsenic hyperaccumulating Pteris ferns. Science of the Total Environment, 2009, 407, 4711-4716.	3.9	70
94	Heterologous Expression of <i>Pteris vittata</i> Arsenite Antiporter PvACR3;1 Reduces Arsenic Accumulation in Plant Shoots. Environmental Science & Technology, 2017, 51, 10387-10395.	4.6	70
95	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. Plant, Cell and Environment, 2009, 32, 851-858.	2.8	69
96	Nanotoxicological effects and transcriptome mechanisms of wheat (Triticum aestivum L.) under stress of polystyrene nanoplastics. Journal of Hazardous Materials, 2022, 423, 127241.	6.5	69
97	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.	4.6	67
98	Aqueous Pb Reduction in Pb-Contaminated Soils by Florida Phosphate Rocks. Water, Air, and Soil Pollution, 1999, 110, 1-16.	1.1	66
99	Bacterial ability in AsIII oxidation and AsV reduction: Relation to arsenic tolerance, P uptake, and siderophore production. Chemosphere, 2015, 138, 995-1000.	4.2	66
100	Straw enhanced CO2 and CH4 but decreased N2O emissions from flooded paddy soils: Changes in microbial community compositions. Atmospheric Environment, 2018, 174, 171-179.	1.9	65
101	Organic adsorbents modified with citric acid and Fe3O4 enhance the removal of Cd and Pb in contaminated solutions. Chemical Engineering Journal, 2020, 395, 125108.	6.6	65
102	Uptake and translocation of arsenite and arsenate by Pteris vittata L.: Effects of silicon, boron and mercury. Environmental and Experimental Botany, 2010, 68, 222-229.	2.0	63
103	Sulfate and chromate increased each other's uptake and translocation in As-hyperaccumulator Pteris vittata. Chemosphere, 2016, 147, 36-43.	4.2	63
104	Pollution characteristics and source analysis of microplastics in the Qiantang River in southeastern China. Chemosphere, 2022, 293, 133576.	4.2	63
105	Effects of Soil Property and Soil Amendment on Weathering of Abraded Metallic Pb in Shooting Ranges. Water, Air, and Soil Pollution, 2007, 178, 297-307.	1.1	62
106	Mechanisms of efficient As solubilization in soils and As accumulation by As-hyperaccumulator Pteris vittata. Environmental Pollution, 2017, 227, 569-577.	3.7	62
107	Weathering of Lead Bullets and Their Environmental Effects at Outdoor Shooting Ranges. Journal of Environmental Quality, 2003, 32, 526.	1.0	62
108	Responses of non-protein thiols to Cd exposure in Cd hyperaccumulator Arabis paniculata Franch. Environmental and Experimental Botany, 2009, 66, 242-248.	2.0	61

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109	Arsenic bioaccessibility in contaminated soils: Coupling in vitro assays with sequential and HNO3 extraction. Journal of Hazardous Materials, 2015, 295, 145-152.	6.5	61
110	High As exposure induced substantial arsenite efflux in As-hyperaccumulator Pteris vittata. Chemosphere, 2016, 144, 2189-2194.	4.2	61
111	Sparingly-Soluble Phosphate Rock Induced Significant Plant Growth and Arsenic Uptake by <i>Pteris vittata</i> from Three Contaminated Soils. Environmental Science & Technology, 2013, 47, 5311-5318.	4.6	60
112	Applying Cadmium Relative Bioavailability to Assess Dietary Intake from Rice to Predict Cadmium Urinary Excretion in Nonsmokers. Environmental Science & Technology, 2017, 51, 6756-6764.	4.6	60
113	Characterization of Lead in Soils of a Rifle/Pistol Shooting Range in Central Florida, USA. Soil and Sediment Contamination, 2002, 11, 1-17.	1.1	59
114	Temporal and spatial trends of total petroleum hydrocarbons in the seawater of Bohai Bay, China from 1996 to 2005. Marine Pollution Bulletin, 2010, 60, 238-243.	2.3	59
115	Arsenic-hyperaccumulator Pteris vittata efficiently solubilized phosphate rock to sustain plant growth and As uptake. Journal of Hazardous Materials, 2017, 330, 68-75.	6.5	59
116	In situ measurement of perfluoroalkyl substances in aquatic systems using diffusive gradients in thin-films technique. Water Research, 2018, 144, 162-171.	5.3	59
117	Effects of arsenic on nitrate metabolism in arsenic hyperaccumulating and non-hyperaccumulating ferns. Environmental Pollution, 2009, 157, 2300-2305.	3.7	58
118	The in vitro and in vivo biocompatibility evaluation of electrospun recombinant spider silk protein/PCL/gelatin for small caliber vascular tissue engineering scaffolds. Colloids and Surfaces B: Biointerfaces, 2018, 163, 19-28.	2.5	58
119	Inhalation bioaccessibility of PAHs in PM2.5: Implications for risk assessment and toxicity prediction. Science of the Total Environment, 2019, 650, 56-64.	3.9	58
120	Mechanisms of Cd and Cu induced toxicity in human gastric epithelial cells: Oxidative stress, cell cycle arrest and apoptosis. Science of the Total Environment, 2021, 756, 143951.	3.9	58
121	Absorption of foliar-applied arsenic by the arsenic hyperaccumulating fern (Pteris vittata L.). Science of the Total Environment, 2004, 332, 61-70.	3.9	57
122	Arsenic hyperaccumulation in the Chinese brake fern (Pteris vittata) deters grasshopper () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	3.5	57
123	Toxic metals in children's toys and jewelry: Coupling bioaccessibility with risk assessment. Environmental Pollution, 2015, 200, 77-84.	3.7	57
124	Relationship between Compost Stability and Extractable Organic Carbon. Journal of Environmental Quality, 2002, 31, 1323-1328.	1.0	56
125	Mechanisms of Efficient Arsenite Uptake by Arsenic Hyperaccumulator Pteris vittata. Environmental Science & Technology, 2011, 45, 9719-9725.	4.6	56
126	Raspberry derived mesoporous carbon-tubules and fixed-bed adsorption of pharmaceutical drugs. Journal of Industrial and Engineering Chemistry, 2014, 20, 1126-1132.	2.9	56

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127	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.	4.8	56
128	Advances in inÂvitro methods to evaluate oral bioaccessibility of PAHs and PBDEs in environmental matrices. Chemosphere, 2016, 150, 378-389.	4.2	56
129	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.	4.6	56
130	Arsenic speciation in Chinese brake fern by ion-pair high-performance liquid chromatographyâ€“inductively coupled plasma mass spectroscopy. Analytica Chimica Acta, 2004, 504, 199-207.	2.6	55
131	Arsenic Relative Bioavailability in Contaminated Soils: Comparison of Animal Models, Dosing Schemes, and Biological End Points. Environmental Science & Technology, 2016, 50, 453-461.	4.6	55
132	Pteris vittata continuously removed arsenic from non-labile fraction in three contaminated-soils during 3.5 years of phytoextraction. Journal of Hazardous Materials, 2014, 279, 485-492.	6.5	54
133	Arsenic enhanced plant growth and altered rhizosphere characteristics of hyperaccumulator Pteris vittata. Environmental Pollution, 2014, 194, 105-111.	3.7	54
134	Molecular mechanisms of dust-induced toxicity in human corneal epithelial cells: Water and organic extract of office and house dust. Environment International, 2016, 92-93, 348-356.	4.8	54
135	Impact of particle size on distribution and human exposure of flame retardants in indoor dust. Environmental Research, 2018, 162, 166-172.	3.7	54
136	Metal tolerance of arsenic-resistant bacteria and their ability to promote plant growth of Pteris vittata in Pb-contaminated soil. Science of the Total Environment, 2019, 660, 18-24.	3.9	54
137	Background concentrations of trace metals As, Ba, Cd, Co, Cu, Ni, Pb, Se, and Zn in 214 Florida urban soils: Different cities and land uses. Environmental Pollution, 2020, 264, 114737.	3.7	54
138	Long-Term Manure Application Changes Bacterial Communities in Rice Rhizosphere and Arsenic Speciation in Rice Grains. Environmental Science & Technology, 2021, 55, 1555-1565.	4.6	54
139	Arsenic resistance in Pteris vittata L.: identification of a cytosolic triosephosphate isomerase based on cDNA expression cloning in Escherichia coli. Plant Molecular Biology, 2006, 62, 845-857.	2.0	53
140	In vitro bioaccessibility and in vivo relative bioavailability in 12 contaminated soils: Method comparison and method development. Science of the Total Environment, 2015, 532, 812-820.	3.9	53
141	Arsenic transformation and plant growth promotion characteristics of As-resistant endophytic bacteria from As-hyperaccumulator Pteris vittata. Chemosphere, 2016, 144, 1233-1240.	4.2	53
142	Characteristics of Arsenic Accumulation by Pteris and non-Pteris Ferns. Plant and Soil, 2005, 277, 117-126.	1.8	52
143	Novel Speciation Method Based on Diffusive Gradients in Thin-Films for in Situ Measurement of Cr^{VI} in Aquatic Systems. Environmental Science & Technology, 2015, 49, 14267-14273.	4.6	52
144	Prenatal and postnatal exposure to emerging and legacy per-/polyfluoroalkyl substances: Levels and transfer in maternal serum, cord serum, and breast milk. Science of the Total Environment, 2022, 812, 152446.	3.9	52

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145	Factors Influencing the Effectiveness and Stability of Aqueous Lead Immobilization by Hydroxyapatite. Journal of Environmental Quality, 1996, 25, 1420-1429.	1.0	51
146	Bacteria-Mediated Arsenic Oxidation and Reduction in the Growth Media of Arsenic Hyperaccumulator <i>Pteris vittata</i>. Environmental Science & Technology, 2012, 46, 11259-11266.	4.6	51
147	Effects of organophosphorus flame retardant TDCPP on normal human corneal epithelial cells: Implications for human health. Environmental Pollution, 2017, 230, 22-30.	3.7	51
148	Effect of phosphate amendment on relative bioavailability and bioaccessibility of lead and arsenic in contaminated soils. Journal of Hazardous Materials, 2017, 339, 256-263.	6.5	50
149	Speciation, bioaccessibility and potential risk of chromium in Amazon forest soils. Environmental Pollution, 2018, 239, 384-391.	3.7	50
150	Antimony uptake, efflux and speciation in arsenic hyperaccumulator Pteris vittata. Environmental Pollution, 2014, 186, 110-114.	3.7	49
151	Mechanisms of housedust-induced toxicity in primary human corneal epithelial cells: Oxidative stress, proinflammatory response and mitochondrial dysfunction. Environment International, 2016, 89-90, 30-37.	4.8	49
152	Comparison of Arsenic and Phosphate Uptake and Distribution in Arsenic Hyperaccumulating and Nonhyperaccumulating Fern. Journal of Plant Nutrition, 2005, 27, 1227-1242.	0.9	48
153	Sulfate and glutathione enhanced arsenic accumulation by arsenic hyperaccumulator Pteris vittata L.. Environmental Pollution, 2010, 158, 1530-1535.	3.7	48
154	High-resolution measurement and mapping of tungstate in waters, soils and sediments using the low-disturbance DGT sampling technique. Journal of Hazardous Materials, 2016, 316, 69-76.	6.5	48
155	Arsenic uptake, arsenite efflux and plant growth in hyperaccumulator Pteris vittata: Role of arsenic-resistant bacteria. Chemosphere, 2016, 144, 1937-1942.	4.2	48
156	Microbial siderophores and root exudates enhanced goethite dissolution and Fe/As uptake by As-hyperaccumulator Pteris vittata. Environmental Pollution, 2017, 223, 230-237.	3.7	48
157	Metal leachability from coal combustion residuals under different pHs and liquid/solid ratios. Journal of Hazardous Materials, 2018, 341, 66-74.	6.5	48
158	Effects of Sample Storage on Biosolids Compost Stability and Maturity Evaluation. Journal of Environmental Quality, 2001, 30, 222-228.	1.0	47
159	Arsenic removal by As-hyperaccumulator Pteris vittata from two contaminated soils: A 5-year study. Chemosphere, 2018, 206, 736-741.	4.2	47
160	Trace Metal Leachability of Landâ€Disposed Dredged Sediments. Journal of Environmental Quality, 2000, 29, 1124-1132.	1.0	46
161	Leachability of Cu and Ni in wood ash-amended soil as impacted by humic and fulvic acid. Geoderma, 2002, 108, 31-47.	2.3	46
162	Predicting the Relative Bioavailability of DDT and Its Metabolites in Historically Contaminated Soils Using a Tenax-Improved Physiologically Based Extraction Test (TI-PBET). Environmental Science & Technology, 2016, 50, 1118-1125.	4.6	46

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163	Fluoride concentrations in traditional and herbal teas: Health risk assessment. Environmental Pollution, 2017, 231, 779-784.	3.7	46
164	Expression of New <i>Pteris vittata</i> Phosphate Transporter PvPht1;4 Reduces Arsenic Translocation from the Roots to Shoots in Tobacco Plants. Environmental Science & Technology, 2020, 54, 1045-1053.	4.6	46
165	Comparing CaCl2, EDTA and DGT methods to predict Cd and Ni accumulation in rice grains from contaminated soils. Environmental Pollution, 2020, 260, 114042.	3.7	46
166	Heterologous Expression of <i>Pteris vittata</i> Phosphate Transporter PvPht1;3 Enhances Arsenic Translocation to and Accumulation in Tobacco Shoots. Environmental Science & Technology, 2019, 53, 10636-10644.	4.6	45
167	Effect of aging on bioaccessibility of arsenic and lead in soils. Chemosphere, 2016, 151, 94-100.	4.2	43
168	Synthetic phenolic antioxidants and their major metabolites in human fingernail. Environmental Research, 2019, 169, 308-314.	3.7	43
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