Shuhe Wei

List of Publications by Year
in descending order

80 papers	2,682 citations	185998 28 h-index	214527 47 g-index
84 all docs	84 docs citations	84 times ranked	2186 citing authors

#	Article	IF	Citations
1	Heavy metals uptake and translocation of typical wetland plants and their ecological effects on the coastal soil of a contaminated bay in Northeast China. Science of the Total Environment, 2022, 803, 149871.	3.9	63
2	The effects of different electrode materials on seed germination of Solanum nigrum L. and its Cd accumulation in soil. Journal of Environmental Sciences, 2022, 113, 291-299.	3.2	2
3	Effects of Cd-resistant fungi on uptake and translocation of Cd by soybean seedlings. Chemosphere, 2022, 291, 132908.	4.2	5
4	Integrated survey on the heavy metal distribution, sources and risk assessment of soil in a commonly developed industrial area. Ecotoxicology and Environmental Safety, 2022, 236, 113462.	2.9	23
5	Difference in Cd2+ flux around the root tips of different soybean (Glycine max L.) cultivars and physiological response under mild cadmium stress. Chemosphere, 2022, 297, 134120.	4.2	7
6	Co-high-efficiency washing agents for simultaneous removal of Cd, Pb and As from smelting soil with risk assessment. Chemosphere, 2022, 300, 134581.	4.2	13
7	Cadmium removal potential of hyperaccumulator Solanum nigrum L. under two planting modes in three years continuous phytoremediation. Environmental Pollution, 2022, 307, 119493.	3.7	17
8	Enhanced Cd Phytoextraction by Solanum nigrum L. from Contaminated Soils Combined with the Application of N Fertilizers and Double Harvests. Toxics, 2022, 10, 266.	1.6	1
9	The cadmium accumulation differences of two Bidens pilosa L. ecotypes from clean farmlands and the changes of some physiology and biochemistry indices. Ecotoxicology and Environmental Safety, 2021, 209, 111847.	2.9	14
10	Phytoremediation of two ecotypes cadmium hyperaccumulator Bidens pilosa L. sourced from clean soils. Chemosphere, 2021, 273, 129652.	4.2	20
11	The potential of medicinal plant extracts in improving the phytoremediation capacity of Solanum nigrum L. for heavy metal contaminated soil. Ecotoxicology and Environmental Safety, 2021, 220, 112411.	2.9	9
12	Comparative study on different organic acids for promoting Solanum nigrum L. hyperaccumulation of Cd and Pb from the contaminated soil. Chemosphere, 2021, 278, 130446.	4.2	24
13	In search of the exclusion/low-accumulation mechanisms: Cadmium uptake and accumulation from soil by cultivated (Solanum melongena L.) and wild eggplants (Solanum torvum L.). Journal of Cleaner Production, 2021, 323, 129141.	4.6	9
14	Comprehensive exploration of heavy metal contamination and risk assessment at two common smelter sites. Chemosphere, 2021, 285, 131350.	4.2	44
15	Effects of different soil pH and nitrogen fertilizers on Bidens pilosa L. Cd accumulation. Environmental Science and Pollution Research, 2020, 27, 9403-9409.	2.7	15
16	The effects of different electric fields and electrodes on Solanum nigrum L. Cd hyperaccumulation in soil. Chemosphere, 2020, 246, 125666.	4.2	23
17	The front-heavy and back-light nitrogen application mode to increase stem and leaf biomass significantly improved cadmium accumulation in Solanum nigrum L.. Journal of Hazardous Materials, 2020, 393, 122482.	6.5	30
18	The mechanism of chelator improved the tolerance and accumulation of poplar to Cd explored through differential expression protein based on iTRAQ. Journal of Hazardous Materials, 2020, 393, 122370.	6.5	11

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19	Strong accumulation capacity of hyperaccumulator Solanum nigrum L. for low or insoluble Cd compounds in soil and its implication for phytoremediation. Chemosphere, 2020, 260, 127564.	4.2	17
20	Biofortification of soybean (Glycine max L.) with Se and Zn, and enhancing its physiological functions by spiking these elements to soil during flowering phase. Science of the Total Environment, 2020, 740, 139648.	3.9	17
21	Exogenous jasmonic acid decreased Cu accumulation by alfalfa and improved its photosynthetic pigments and antioxidant system. Ecotoxicology and Environmental Safety, 2020, 190, 110176.	2.9	24
22	Optimal voltage and treatment time of electric field with assistant Solanum nigrum L. cadmium hyperaccumulation in soil. Chemosphere, 2020, 253, 126575.	4.2	17
23	Aqueous extracts from the selected hyperaccumulators used as soil additives significantly improve accumulation capacity of Solanum nigrum L. for Cd and Pb. Journal of Hazardous Materials, 2020, 394, 122553.	6.5	23
24	Stem aqueous extracts of accumulator Bidens tripartita L. strongly promoted Solanum nigrum L. Cd hyperaccumulation from soil. Plant and Soil, 2019, 443, 401-411.	1.8	4
25	Strengthening role and the mechanism of optimum nitrogen addition in relation to Solanum nigrum L. Cd hyperaccumulation in soil. Ecotoxicology and Environmental Safety, 2019, 182, 109444.	2.9	22
26	Bidens pilosa L. hyperaccumulating Cd with different species in soil and the role of EDTA on the hyperaccumulation. Environmental Science and Pollution Research, 2019, 26, 25668-25675.	2.7	22
27	Hyperaccumulation of Cd by Rorippa globosa (Turcz.) Thell. from soil enriched with different Cd compounds, and impact of soil amendment with glutathione (GSH) on the hyperaccumulation efficiency. Environmental Pollution, 2019, 255, 113270.	3.7	12
28	Effects of Some Chelators and Surfactants on Hyperaccumulator <i>Sedum alfredii</i> Hance Remediating Contaminated Soil. Soil and Sediment Contamination, 2019, 28, 747-756.	1.1	3
29	Clean extracts from accumulator efficiently improved Solanum nigrum L. accumulating Cd and Pb in soil. Journal of Cleaner Production, 2019, 239, 118055.	4.6	27
30	Distribution and Redistribution of 109Cd and 65Zn in the Heavy Metal Hyperaccumulator Solanum nigrum L.: Influence of Cadmium and Zinc Concentrations in the Root Medium. Plants, 2019, 8, 340.	1.6	13
31	Selenium spiked in soil promoted zinc accumulation of Chinese cabbage and improved its antioxidant system and lipid peroxidation. Ecotoxicology and Environmental Safety, 2019, 180, 179-184.	2.9	33
32	Effect and mechanism of commonly used four nitrogen fertilizers and three organic fertilizers on Solanum nigrum L. hyperaccumulating Cd. Environmental Science and Pollution Research, 2019, 26, 12940-12947.	2.7	29
33	Prospective sustainable production of safe food for growing population based on the soybean (Glycine max L. Merr.) crops under Cd soil contamination stress. Journal of Cleaner Production, 2019, 212, 22-36.	4.6	41
34	Ornamental hyperaccumulator Mirabilis jalapa L. phytoremediating combine contaminated soil enhanced by some chelators and surfactants. Environmental Science and Pollution Research, 2018, 25, 29699-29704.	2.7	14
35	Enhanced phytoremediation of cadmium and/or benzo(a)pyrene contaminated soil by hyperaccumlator <i>Solanum nigrum</i> L.. International Journal of Phytoremediation, 2018, 20, 862-868.	1.7	10
36	Hyperaccumulating potential of Bidens pilosa L. for Cd and elucidation of its translocation behavior based on cell membrane permeability. Environmental Science and Pollution Research, 2017, 24, 23161-23167.	2.7	38

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37	Comparison of Soybean Cultivars Enriching Cd and the Application Foreground of the Low-Accumulating Cultivar in Production. Polish Journal of Environmental Studies, 2017, 26, 1299-1304.	0.6	10
38	Compound amino acids added in media improved<i>Solanum nigrum</i>L. phytoremediating CD-PAHS contaminated soil. International Journal of Phytoremediation, 2016, 18, 358-363.	1.7	14
39	Effects of PEG-Induced Water Deficit in Solanum nigrum on Zn and Ni Uptake and Translocation in Split Root Systems. Plants, 2015, 4, 284-297.	1.6	17
40	Spatial Patterns and Risk Assessment of Heavy Metals in Soils in a Resource-Exhausted City, Northeast China. PLoS ONE, 2015, 10, e0137694.	1.1	26
41	Removal of trace metals and improvement of dredged sediment dewaterability by bioleaching combined with Fenton-like reaction. Journal of Hazardous Materials, 2015, 288, 51-59.	6.5	55
42	Bioleaching of heavy metals from contaminated sediments by the Aspergillus niger strain SY1. Journal of Soils and Sediments, 2015, 15, 1029-1038.	1.5	47
43	Remediation and Safe Production of cd Contaminated Soil Via Multiple Cropping Hyperaccumulator<i>Solanum nigrum</i>ÂL. and Low Accumulation Chinese Cabbage. International Journal of Phytoremediation, 2015, 17, 657-661.	1.7	13
44	A New Montmorillonite/Humic Acid Complex Prepared in Alkaline Condition to Remove Cadmium in Waste Water. Polish Journal of Environmental Studies, 2015, 24, .	0.6	2
45	Co-Planting Cd Contaminated Field Using Hyperaccumulator<i>Solanum Nigrum L.</i>Through Interplant with Low Accumulation Welsh Onion. International Journal of Phytoremediation, 2015, 17, 879-884.	1.7	48
46	Antibiotic contamination in animal manure, soil, and sewage sludge in Shenyang, northeast China. Environmental Earth Sciences, 2015, 74, 5077-5086.	1.3	109
47	Effect of different nitrogenous nutrients on the cadmium hyperaccumulation efficiency of Rorippa globosa (Turcz.) Thell.. Environmental Science and Pollution Research, 2015, 22, 1999-2007.	2.7	37
48	Hyperaccumulative property of Solanum nigrum L. to Cd explored from cell membrane permeability, subcellular distribution, and chemical form. Journal of Soils and Sediments, 2014, 14, 558-566.	1.5	26
49	Selective uptake, distribution, and redistribution of 109Cd, 57Co, 65Zn, 63Ni, and 134Cs via xylem and phloem in the heavy metal hyperaccumulator Solanum nigrum L. Environmental Science and Pollution Research, 2014, 21, 7624-7630.	2.7	24
50	Rhizosphere effects of PAH-contaminated soil phytoremediation using a special plant named Fire Phoenix. Science of the Total Environment, 2014, 473-474, 350-358.	3.9	89
51	Main rhizosphere characteristics of the Cd hyperaccumulator Rorippa globosa (Turcz.) Thell. Plant and Soil, 2013, 372, 669-681.	1.8	43
52	Identification of rice cultivar with exclusive characteristic to Cd using a field-polluted soil and its foreground application. Environmental Science and Pollution Research, 2013, 20, 2645-2650.	2.7	28
53	Root system responses of hyperaccumulator Solanum nigrum L. to Cd. Journal of Soils and Sediments, 2013, 13, 1069-1074.	1.5	21
54	Cd Hyperaccumulative Characteristics of Australia EcotypeSolanum NigrumL. and Its Implication in Screening Hyperaccumulator. International Journal of Phytoremediation, 2013, 15, 199-205.	1.7	21

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55	Tolerant mechanisms of Rorippa globosa (Turcz.) Thell. hyperaccumulating Cd explored from root morphology. Bioresource Technology, 2012, 118, 455-459.	4.8	37
56	Identification of cadmium-excluding welsh onion (Allium fistulosum L.) cultivars and their mechanisms of low cadmium accumulation. Environmental Science and Pollution Research, 2012, 19, 1773-1780.	2.7	25
57	Chemical-Assisted Phytoremediation of Cd-PAHs Contaminated Soils Using<i>Solanum Nigrum</i>L.. International Journal of Phytoremediation, 2011, 13, 818-833.	1.7	30
58	Effect of Environmentally Friendly Amendment on a Newly Found Accumulator Kalimeris integrifolia Turcz. ex DC. Phytoremediating Cd-Contaminated Soil. Water, Air, and Soil Pollution, 2011, 218, 479-486.	1.1	3
59	Cadmium Accumulation in Relation to Organic Acids and Nonprotein Thiols in Leaves of the Recently Found Cd Hyperaccumulator Rorippa globosa and the Cd-accumulating Plant Rorippa islandica. Journal of Plant Growth Regulation, 2011, 30, 83-91.	2.8	33
60	Fertilizer amendment for improving the phytoextraction of cadmium by a hyperaccumulator Rorippa globosa (Turcz.) Thell. Journal of Soils and Sediments, 2011, 11, 915-922.	1.5	29
61	Sulfate and glutathione enhanced arsenic accumulation by arsenic hyperaccumulator Pteris vittata L.. Environmental Pollution, 2010, 158, 1530-1535.	3.7	48
62	Lead accumulation in different Chinese cabbage cultivars and screening for pollution-safe cultivars. Journal of Environmental Management, 2010, 91, 781-788.	3.8	77
63	Effect of fertilizer amendments on phytoremediation of Cd-contaminated soil by a newly discovered hyperaccumulator Solanum nigrum L.. Journal of Hazardous Materials, 2010, 176, 269-273.	6.5	102
64	Potential of Taraxacum mongolicum Hand-Mazz for accelerating phytoextraction of cadmium in combination with eco-friendly amendments. Journal of Hazardous Materials, 2010, 181, 480-484.	6.5	14
65	Poultry manured Bidens tripartite L. extracting Cd from soil â€“ potential for phytoremediating Cd contaminated soil. Bioresource Technology, 2010, 101, 8907-8910.	4.8	26
66	Hyperaccumulative property comparison of 24 weed species to heavy metals using a pot culture experiment. Environmental Monitoring and Assessment, 2009, 152, 299-307.	1.3	19
67	Kalimeris integrifolia Turcz. ex DC.: An accumulator of Cd. Journal of Hazardous Materials, 2009, 162, 1571-1573.	6.5	18
68	Identification of a Cd accumulator Conyza canadensis. Journal of Hazardous Materials, 2009, 163, 32-35.	6.5	25
69	Seed germination of a newly discovered hyperaccumulator Solanum nigrum L. affected by illumination and seed-soaking reagent. Journal of Hazardous Materials, 2009, 170, 1256-1259.	6.5	6
70	Bidens tripartite L.: A Cd-accumulator confirmed by pot culture and site sampling experiment. Journal of Hazardous Materials, 2009, 170, 1269-1272.	6.5	24
71	Hyperaccumulative Characteristics of Weed Species to Heavy Metals. Water, Air, and Soil Pollution, 2008, 192, 173-181.	1.1	45
72	Agro-improving method of phytoextracting heavy metal contaminated soil. Journal of Hazardous Materials, 2008, 150, 662-668.	6.5	102

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73	A newly found cadmium accumulatorâ€”Taraxacum mongolicum. Journal of Hazardous Materials, 2008, 159, 544-547.	6.5	49
74	Screen of Chinese Weed Species for Cadmium Tolerance and Accumulation Characteristics. International Journal of Phytoremediation, 2008, 10, 584-597.	1.7	37
75	Growth responses of the newly-discovered Cd-hyperaccumulator Rorippa globosa and its accumulation characteristics of Cd and As under joint stress of Cd and As. Frontiers of Environmental Science and Engineering in China, 2007, 1, 107-113.	0.8	11
76	Phytoremediation of Cadmium-Contaminated Soils by Rorippa globosa Using Two-Phase Planting (5 pp). Environmental Science and Pollution Research, 2006, 13, 151-155.	2.7	78
77	Flowering stage characteristics of cadmium hyperaccumulator Solanum nigrum L. and their significance to phytoremediation. Science of the Total Environment, 2006, 369, 441-446.	3.9	134
78	A newly-discovered Cd-hyperaccumulator Solanum nigrum L.. Science Bulletin, 2005, 50, 33.	1.7	193
79	Identification of weed plants excluding the uptake of heavy metals. Environment International, 2005, 31, 829-834.	4.8	112
80	Identification of weed species with hyperaccumulative characteristics of heavy metals*. Progress in Natural Science: Materials International, 2004, 14, 495-503.	1.8	56