

Shuhe Wei

List of Publications by Year in descending order

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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	A newly-discovered Cd-hyperaccumulator <i>Solanum nigrum</i> L.. Science Bulletin, 2005, 50, 33.	1.7	193
2	Flowering stage characteristics of cadmium hyperaccumulator <i>Solanum nigrum</i> L. and their significance to phytoremediation. Science of the Total Environment, 2006, 369, 441-446.	3.9	134
3	Identification of weed plants excluding the uptake of heavy metals. Environment International, 2005, 31, 829-834.	4.8	112
4	Antibiotic contamination in animal manure, soil, and sewage sludge in Shenyang, northeast China. Environmental Earth Sciences, 2015, 74, 5077-5086.	1.3	109
5	Agro-improving method of phytoextracting heavy metal contaminated soil. Journal of Hazardous Materials, 2008, 150, 662-668.	6.5	102
6	Effect of fertilizer amendments on phytoremediation of Cd-contaminated soil by a newly discovered hyperaccumulator <i>Solanum nigrum</i> L.. Journal of Hazardous Materials, 2010, 176, 269-273.	6.5	102
7	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
8	Phytoremediation of Cadmium-Contaminated Soils by <i>Rorippa globosa</i> Using Two-Phase Planting (5 pp). Environmental Science and Pollution Research, 2006, 13, 151-155.	2.7	78
9	Lead accumulation in different Chinese cabbage cultivars and screening for pollution-safe cultivars. Journal of Environmental Management, 2010, 91, 781-788.	3.8	77
10	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
11	Identification of weed species with hyperaccumulative characteristics of heavy metals*. Progress in Natural Science: Materials International, 2004, 14, 495-503.	1.8	56
12	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
13	A newly found cadmium accumulator— <i>Taraxacum mongolicum</i> . Journal of Hazardous Materials, 2008, 159, 544-547.	6.5	49
14	Sulfate and glutathione enhanced arsenic accumulation by arsenic hyperaccumulator <i>Pteris vittata</i> L.. Environmental Pollution, 2010, 158, 1530-1535.	3.7	48
15	Co-Planting Cd Contaminated Field Using Hyperaccumulator <i>Solanum Nigrum</i> L. Through Interplant with Low Accumulation Welsh Onion. International Journal of Phytoremediation, 2015, 17, 879-884.	1.7	48
16	Bioleaching of heavy metals from contaminated sediments by the <i>Aspergillus niger</i> strain SY1. Journal of Soils and Sediments, 2015, 15, 1029-1038.	1.5	47
17	Hyperaccumulative Characteristics of Weed Species to Heavy Metals. Water, Air, and Soil Pollution, 2008, 192, 173-181.	1.1	45
18	Comprehensive exploration of heavy metal contamination and risk assessment at two common smelter sites. Chemosphere, 2021, 285, 131350.	4.2	44

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19	Main rhizosphere characteristics of the Cd hyperaccumulator <i>Rorippa globosa</i> (Turcz.) Thell. <i>Plant and Soil</i> , 2013, 372, 669-681.	1.8	43
20	Prospective sustainable production of safe food for growing population based on the soybean (<i>Glycine max</i> L. Merr.) crops under Cd soil contamination stress. <i>Journal of Cleaner Production</i> , 2019, 212, 22-36.	4.6	41
21	Hyperaccumulating potential of <i>Bidens pilosa</i> L. for Cd and elucidation of its translocation behavior based on cell membrane permeability. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23161-23167.	2.7	38
22	Screen of Chinese Weed Species for Cadmium Tolerance and Accumulation Characteristics. <i>International Journal of Phytoremediation</i> , 2008, 10, 584-597.	1.7	37
23	Tolerant mechanisms of <i>Rorippa globosa</i> (Turcz.) Thell. hyperaccumulating Cd explored from root morphology. <i>Bioresource Technology</i> , 2012, 118, 455-459.	4.8	37
24	Effect of different nitrogenous nutrients on the cadmium hyperaccumulation efficiency of <i>Rorippa globosa</i> (Turcz.) Thell.. <i>Environmental Science and Pollution Research</i> , 2015, 22, 1999-2007.	2.7	37
25	Cadmium Accumulation in Relation to Organic Acids and Nonprotein Thiols in Leaves of the Recently Found Cd Hyperaccumulator <i>Rorippa globosa</i> and the Cd-accumulating Plant <i>Rorippa islandica</i> . <i>Journal of Plant Growth Regulation</i> , 2011, 30, 83-91.	2.8	33
26	Selenium spiked in soil promoted zinc accumulation of Chinese cabbage and improved its antioxidant system and lipid peroxidation. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 179-184.	2.9	33
27	Chemical-Assisted Phytoremediation of Cd-PAHs Contaminated Soils Using <i>Solanum Nigrum</i> L.. <i>International Journal of Phytoremediation</i> , 2011, 13, 818-833.	1.7	30
28	The front-heavy and back-light nitrogen application mode to increase stem and leaf biomass significantly improved cadmium accumulation in <i>Solanum nigrum</i> L.. <i>Journal of Hazardous Materials</i> , 2020, 393, 122482.	6.5	30
29	Fertilizer amendment for improving the phytoextraction of cadmium by a hyperaccumulator <i>Rorippa globosa</i> (Turcz.) Thell. <i>Journal of Soils and Sediments</i> , 2011, 11, 915-922.	1.5	29
30	Effect and mechanism of commonly used four nitrogen fertilizers and three organic fertilizers on <i>Solanum nigrum</i> L. hyperaccumulating Cd. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12940-12947.	2.7	29
31	Identification of rice cultivar with exclusive characteristic to Cd using a field-polluted soil and its foreground application. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2645-2650.	2.7	28
32	Clean extracts from accumulator efficiently improved <i>Solanum nigrum</i> L. accumulating Cd and Pb in soil. <i>Journal of Cleaner Production</i> , 2019, 239, 118055.	4.6	27
33	Poultry manured <i>Bidens tripartite</i> L. extracting Cd from soil – potential for phytoremediating Cd contaminated soil. <i>Bioresource Technology</i> , 2010, 101, 8907-8910.	4.8	26
34	Hyperaccumulative property of <i>Solanum nigrum</i> L. to Cd explored from cell membrane permeability, subcellular distribution, and chemical form. <i>Journal of Soils and Sediments</i> , 2014, 14, 558-566.	1.5	26
35	Spatial Patterns and Risk Assessment of Heavy Metals in Soils in a Resource-Exhausted City, Northeast China. <i>PLoS ONE</i> , 2015, 10, e0137694.	1.1	26
36	Identification of a Cd accumulator <i>Conyza canadensis</i> . <i>Journal of Hazardous Materials</i> , 2009, 163, 32-35.	6.5	25

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37	Identification of cadmium-excluding welsh onion (<i>Allium fistulosum</i> L.) cultivars and their mechanisms of low cadmium accumulation. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1773-1780.	2.7	25
38	<i>Bidens tripartite</i> L.: A Cd-accumulator confirmed by pot culture and site sampling experiment. <i>Journal of Hazardous Materials</i> , 2009, 170, 1269-1272.	6.5	24
39	Selective uptake, distribution, and redistribution of ¹⁰⁹ Cd, ⁵⁷ Co, ⁶⁵ Zn, ⁶³ Ni, and ¹³⁴ Cs via xylem and phloem in the heavy metal hyperaccumulator <i>Solanum nigrum</i> L. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7624-7630.	2.7	24
40	Exogenous jasmonic acid decreased Cu accumulation by alfalfa and improved its photosynthetic pigments and antioxidant system. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110176.	2.9	24
41	Comparative study on different organic acids for promoting <i>Solanum nigrum</i> L. hyperaccumulation of Cd and Pb from the contaminated soil. <i>Chemosphere</i> , 2021, 278, 130446.	4.2	24
42	The effects of different electric fields and electrodes on <i>Solanum nigrum</i> L. Cd hyperaccumulation in soil. <i>Chemosphere</i> , 2020, 246, 125666.	4.2	23
43	Aqueous extracts from the selected hyperaccumulators used as soil additives significantly improve accumulation capacity of <i>Solanum nigrum</i> L. for Cd and Pb. <i>Journal of Hazardous Materials</i> , 2020, 394, 122553.	6.5	23
44	Integrated survey on the heavy metal distribution, sources and risk assessment of soil in a commonly developed industrial area. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113462.	2.9	23
45	Strengthening role and the mechanism of optimum nitrogen addition in relation to <i>Solanum nigrum</i> L. Cd hyperaccumulation in soil. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109444.	2.9	22
46	<i>Bidens pilosa</i> L. hyperaccumulating Cd with different species in soil and the role of EDTA on the hyperaccumulation. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25668-25675.	2.7	22
47	Root system responses of hyperaccumulator <i>Solanum nigrum</i> L. to Cd. <i>Journal of Soils and Sediments</i> , 2013, 13, 1069-1074.	1.5	21
48	Cd Hyperaccumulative Characteristics of Australia Ecotype <i>Solanum Nigrum</i> L. and Its Implication in Screening Hyperaccumulator. <i>International Journal of Phytoremediation</i> , 2013, 15, 199-205.	1.7	21
49	Phytoremediation of two ecotypes cadmium hyperaccumulator <i>Bidens pilosa</i> L. sourced from clean soils. <i>Chemosphere</i> , 2021, 273, 129652.	4.2	20
50	Hyperaccumulative property comparison of 24 weed species to heavy metals using a pot culture experiment. <i>Environmental Monitoring and Assessment</i> , 2009, 152, 299-307.	1.3	19
51	<i>Kalimeris integrifolia</i> Turcz. ex DC.: An accumulator of Cd. <i>Journal of Hazardous Materials</i> , 2009, 162, 1571-1573.	6.5	18
52	Effects of PEG-Induced Water Deficit in <i>Solanum nigrum</i> on Zn and Ni Uptake and Translocation in Split Root Systems. <i>Plants</i> , 2015, 4, 284-297.	1.6	17
53	Strong accumulation capacity of hyperaccumulator <i>Solanum nigrum</i> L. for low or insoluble Cd compounds in soil and its implication for phytoremediation. <i>Chemosphere</i> , 2020, 260, 127564.	4.2	17
54	Biofortification of soybean (<i>Glycine max</i> L.) with Se and Zn, and enhancing its physiological functions by spiking these elements to soil during flowering phase. <i>Science of the Total Environment</i> , 2020, 740, 139648.	3.9	17

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55	Optimal voltage and treatment time of electric field with assistant <i>Solanum nigrum</i> L. cadmium hyperaccumulation in soil. <i>Chemosphere</i> , 2020, 253, 126575.	4.2	17
56	Cadmium removal potential of hyperaccumulator <i>Solanum nigrum</i> L. under two planting modes in three years continuous phytoremediation. <i>Environmental Pollution</i> , 2022, 307, 119493.	3.7	17
57	Effects of different soil pH and nitrogen fertilizers on <i>Bidens pilosa</i> L. Cd accumulation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 9403-9409.	2.7	15
58	Potential of <i>Taraxacum mongolicum</i> Hand-Mazz for accelerating phytoextraction of cadmium in combination with eco-friendly amendments. <i>Journal of Hazardous Materials</i> , 2010, 181, 480-484.	6.5	14
59	Compound amino acids added in media improved <i>Solanum nigrum</i> L. phytoremediating CD-PAHS contaminated soil. <i>International Journal of Phytoremediation</i> , 2016, 18, 358-363.	1.7	14
60	Ornamental hyperaccumulator <i>Mirabilis jalapa</i> L. phytoremediating combine contaminated soil enhanced by some chelators and surfactants. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29699-29704.	2.7	14
61	The cadmium accumulation differences of two <i>Bidens pilosa</i> L. ecotypes from clean farmlands and the changes of some physiology and biochemistry indices. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111847.	2.9	14
62	Remediation and Safe Production of cd Contaminated Soil Via Multiple Cropping Hyperaccumulator <i>Solanum nigrum</i> L. and Low Accumulation Chinese Cabbage. <i>International Journal of Phytoremediation</i> , 2015, 17, 657-661.	1.7	13
63	Distribution and Redistribution of 109Cd and 65Zn in the Heavy Metal Hyperaccumulator <i>Solanum nigrum</i> L.: Influence of Cadmium and Zinc Concentrations in the Root Medium. <i>Plants</i> , 2019, 8, 340.	1.6	13
64	Co-high-efficiency washing agents for simultaneous removal of Cd, Pb and As from smelting soil with risk assessment. <i>Chemosphere</i> , 2022, 300, 134581.	4.2	13
65	Hyperaccumulation of Cd by <i>Rorippa globosa</i> (Turcz.) Thell. from soil enriched with different Cd compounds, and impact of soil amendment with glutathione (GSH) on the hyperaccumulation efficiency. <i>Environmental Pollution</i> , 2019, 255, 113270.	3.7	12
66	Growth responses of the newly-discovered Cd-hyperaccumulator <i>Rorippa globosa</i> and its accumulation characteristics of Cd and As under joint stress of Cd and As. <i>Frontiers of Environmental Science and Engineering in China</i> , 2007, 1, 107-113.	0.8	11
67	The mechanism of chelator improved the tolerance and accumulation of poplar to Cd explored through differential expression protein based on iTRAQ. <i>Journal of Hazardous Materials</i> , 2020, 393, 122370.	6.5	11
68	Enhanced phytoremediation of cadmium and/or benzo(a)pyrene contaminated soil by hyperaccumulator <i>Solanum nigrum</i> L. <i>International Journal of Phytoremediation</i> , 2018, 20, 862-868.	1.7	10
69	Comparison of Soybean Cultivars Enriching Cd and the Application Foreground of the Low-Accumulating Cultivar in Production. <i>Polish Journal of Environmental Studies</i> , 2017, 26, 1299-1304.	0.6	10
70	The potential of medicinal plant extracts in improving the phytoremediation capacity of <i>Solanum nigrum</i> L. for heavy metal contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2021, 220, 112411.	2.9	9
71	In search of the exclusion/low-accumulation mechanisms: Cadmium uptake and accumulation from soil by cultivated (<i>Solanum melongena</i> L.) and wild eggplants (<i>Solanum torvum</i> L.). <i>Journal of Cleaner Production</i> , 2021, 323, 129141.	4.6	9
72	Difference in Cd ²⁺ flux around the root tips of different soybean (<i>Glycine max</i> L.) cultivars and physiological response under mild cadmium stress. <i>Chemosphere</i> , 2022, 297, 134120.	4.2	7

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73	Seed germination of a newly discovered hyperaccumulator <i>Solanum nigrum</i> L. affected by illumination and seed-soaking reagent. <i>Journal of Hazardous Materials</i> , 2009, 170, 1256-1259.	6.5	6
74	Effects of Cd-resistant fungi on uptake and translocation of Cd by soybean seedlings. <i>Chemosphere</i> , 2022, 291, 132908.	4.2	5
75	Stem aqueous extracts of accumulator <i>Bidens tripartita</i> L. strongly promoted <i>Solanum nigrum</i> L. Cd hyperaccumulation from soil. <i>Plant and Soil</i> , 2019, 443, 401-411.	1.8	4
76	Effect of Environmentally Friendly Amendment on a Newly Found Accumulator <i>Kalimeris integrifolia</i> Turcz. ex DC. Phytoremediating Cd-Contaminated Soil. <i>Water, Air, and Soil Pollution</i> , 2011, 218, 479-486.	1.1	3
77	Effects of Some Chelators and Surfactants on Hyperaccumulator <i>Sedum alfredii</i> Hance Remediating Contaminated Soil. <i>Soil and Sediment Contamination</i> , 2019, 28, 747-756.	1.1	3
78	A New Montmorillonite/Humic Acid Complex Prepared in Alkaline Condition to Remove Cadmium in Waste Water. <i>Polish Journal of Environmental Studies</i> , 2015, 24, .	0.6	2
79	The effects of different electrode materials on seed germination of <i>Solanum nigrum</i> L. and its Cd accumulation in soil. <i>Journal of Environmental Sciences</i> , 2022, 113, 291-299.	3.2	2
80	Enhanced Cd Phytoextraction by <i>Solanum nigrum</i> L. from Contaminated Soils Combined with the Application of N Fertilizers and Double Harvests. <i>Toxics</i> , 2022, 10, 266.	1.6	1