

Jie Luo

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

2,382
citations

393982

19
h-index

214527

47
g-index

77
all docs

77
docs citations

77
times ranked

2037
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of light-irradiated <i>Noccaea caerulescens</i> on the characteristics of dissolved organic matter in its rhizospheric soil during phytoremediation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2642-2649.	2.7	2
2	Enhancement of the Cd phytoremediation efficiency of <i>Festuca arundinacea</i> by sonic seed treatment. <i>Chemosphere</i> , 2022, 287, 132158.	4.2	8
3	Influence of Drought Stress and Post-Drought Rewatering on Phytoremediation Effect of <i>Arabidopsis thaliana</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 108, 594-599.	1.3	6
4	Effects of magnetically treated <i>Sedum alfredii</i> seeds on the dissolved organic matter characteristics of Cd-contaminated soil during phytoextraction. <i>Environmental Science and Pollution Research</i> , 2022, 29, 20808-20816.	2.7	4
5	Influences of elevated O ₃ and CO ₂ on Cd distribution in different <i>Festuca arundinacea</i> tissues. <i>Chemosphere</i> , 2022, 290, 133343.	4.2	0
6	Elevated atmospheric CO ₂ enhances the phytoremediation efficiency of tall fescue (<i>Festuca arundinacea</i>) in Cd-polluted soil. <i>International Journal of Phytoremediation</i> , 2022, 24, 1273-1283.	1.7	1
7	Effect of light combination on the characteristics of dissolved organic matter and chemical forms of Cd in the rhizosphere of <i>Arabidopsis thaliana</i> involved in phytoremediation. <i>Ecotoxicology and Environmental Safety</i> , 2022, 231, 113212.	2.9	4
8	Impacts of water deficit and post-drought irrigation on transpiration rate, root activity, and biomass yield of <i>Festuca arundinacea</i> during phytoextraction. <i>Chemosphere</i> , 2022, 294, 133842.	4.2	21
9	Evaluating a Sampling Regime for Estimating the Levels of Contamination and the Sources of Elements in Soils Collected from a Rapidly Industrialized Town in Guangdong Province, China. <i>Archives of Environmental Contamination and Toxicology</i> , 2022, 82, 403-415.	2.1	3
10	Impacts of root pruning intensity and direction on the phytoremediation of moderately Cd-polluted soil by <i>Celosia argentea</i> . <i>International Journal of Phytoremediation</i> , 2022, 24, 1152-1162.	1.7	0
11	Reactive effects of pre-sowing magnetic field exposure on morphological characteristics and antioxidant ability of <i>Brassica juncea</i> in phytoextraction. <i>Chemosphere</i> , 2022, 303, 135046.	4.2	5
12	Influence of magnetized water irrigation on characteristics of antioxidant enzyme, ferritin, and Cd excretion in <i>Festuca arundinacea</i> during phytoextraction. <i>Journal of Hazardous Materials</i> , 2022, 438, 129527.	6.5	1
13	An integrated exploration on health risk assessment quantification of potentially hazardous elements in soils from the perspective of sources. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111489.	2.9	101
14	Influence of elevated atmospheric CO ₂ levels on phytoremediation effect of <i>Festuca arundinacea</i> intercropped with <i>Echinochloa caudata</i> . <i>Chemosphere</i> , 2021, 270, 128654.	4.2	5
15	Impact of O ₃ on the phytoremediation effect of <i>Celosia argentea</i> in decontaminating Cd. <i>Chemosphere</i> , 2021, 266, 128940.	4.2	3
16	Suitability of Nansha Mangrove Wetland for High Nitrogen Shrimp Pond Wastewater Treatment. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 106, 349-354.	1.3	5
17	Mass balance of metals during the phytoremediation process using <i>Noccaea caerulescens</i> : a pot study. <i>Environmental Science and Pollution Research</i> , 2021, 28, 8476-8485.	2.7	11
18	Impacts of root pruning and magnetized water irrigation on the phytoremediation efficiency of <i>Celosia argentea</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 211, 111963.	2.9	5

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19	Influence of Planting Density on the Phytoremediation Efficiency of <i>Festuca arundinacea</i> in Cd-Polluted Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 154-159.	1.3	7
20	Effects of decapitation and root cutting on phytoremediation efficiency of <i>Celosia argentea</i> . <i>Ecotoxicology and Environmental Safety</i> , 2021, 215, 112162.	2.9	3
21	Alterations of Amino Acid Concentrations and Photosynthetic Indices in Light Irradiated <i>Arabidopsis thaliana</i> during Phytoextraction. <i>Sustainability</i> , 2021, 13, 7720.	1.6	1
22	Cadmium subcellular distribution and chemical form in <i>Festuca arundinacea</i> in different intercropping systems during phytoremediation. <i>Chemosphere</i> , 2021, 276, 130137.	4.2	10
23	The neural mechanism of spatial-positional association in working memory: A fMRI study. <i>Brain and Cognition</i> , 2021, 152, 105756.	0.8	5
24	Effects of decapitated and root-pruned <i>Sedum alfredii</i> on the characterization of dissolved organic matter and enzymatic activity in rhizosphere soil during Cd phytoremediation. <i>Journal of Hazardous Materials</i> , 2021, 417, 125977.	6.5	14
25	Effect of using <i>Celosia argentea</i> grown from seeds treated with a magnetic field to conduct Cd phytoremediation in drought stress conditions. <i>Chemosphere</i> , 2021, 280, 130724.	4.2	12
26	An integrated approach to quantifying ecological and human health risks from different sources of soil heavy metals. <i>Science of the Total Environment</i> , 2020, 701, 134466.	3.9	218
27	A novel phytoremediation method assisted by magnetized water to decontaminate soil Cd based on harvesting senescent and dead leaves of <i>Festuca arundinacea</i> . <i>Journal of Hazardous Materials</i> , 2020, 383, 121115.	6.5	29
28	Ecological risk assessment at the food web scale: A case study of a mercury contaminated oilfield. <i>Chemosphere</i> , 2020, 260, 127599.	4.2	5
29	Metal contamination and bioremediation of agricultural soils for food safety and sustainability. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 366-381.	12.2	493
30	The influence of light combination on the physicochemical characteristics and enzymatic activity of soil with multi-metal pollution in phytoremediation. <i>Journal of Hazardous Materials</i> , 2020, 393, 122406.	6.5	15
31	Characterizing pollution and source identification of heavy metals in soils using geochemical baseline and PMF approach. <i>Scientific Reports</i> , 2020, 10, 6460.	1.6	46
32	Effects of elevated CO ₂ on the phytoremediation efficiency of <i>Noccaea caerulea</i> . <i>Environmental Pollution</i> , 2019, 255, 113169.	3.7	16
33	Distribution characteristics of Cd in different types of leaves of <i>Festuca arundinacea</i> intercropped with <i>Cicer arietinum</i> L.: A new strategy to remove pollutants by harvesting senescent and dead leaves. <i>Environmental Research</i> , 2019, 179, 108801.	3.7	17
34	Comparing storage battery and solar cell in assisting <i>Eucalyptus Globulus</i> to phytoremediate soil polluted by Cd, Pb, and Cu. <i>International Journal of Phytoremediation</i> , 2019, 21, 181-190.	1.7	2
35	The variation of metal fractions and potential environmental risk in phytoremediating multiple metal polluted soils using <i>Noccaea caerulea</i> assisted by LED lights. <i>Chemosphere</i> , 2019, 227, 462-469.	4.2	13
36	Metals in soils from a typical rapidly developing county, Southern China: levels, distribution, and source apportionment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 19282-19293.	2.7	66

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37	Sensitivity of Eucalyptus globulus to red and blue light with different combinations and their influence on its efficacy for contaminated soil phytoremediation. Journal of Environmental Management, 2019, 241, 235-242.	3.8	7
38	Balance Between Soil Remediation and Economic Benefits of Eucalyptus globulus. Bulletin of Environmental Contamination and Toxicology, 2019, 102, 887-891.	1.3	2
39	The phytoremediation efficiency of Eucalyptus globulus treated by static magnetic fields before sowing. Chemosphere, 2019, 226, 891-897.	4.2	16
40	Using Pb Isotope to Quantify the Effect of Various Sources on Multi-Metal Polluted soil in Guiyu. Bulletin of Environmental Contamination and Toxicology, 2019, 102, 413-418.	1.3	11
41	Trace Elements and Polycyclic Aromatic Hydrocarbons Variation Along the Guang-Shen Expressway Before and After the 2016 Qingming Festival in Guangzhou. Archives of Environmental Contamination and Toxicology, 2019, 76, 87-101.	2.1	6
42	Spatial distribution and source apportionment of heavy metals in soil from a typical county-level city of Guangdong Province, China. Science of the Total Environment, 2019, 655, 92-101.	3.9	263
43	Magnetic field enhance decontamination efficiency of Noccaea caerulea and reduce leaching of non-hyperaccumulated metals. Journal of Hazardous Materials, 2019, 368, 141-148.	6.5	21
44	Comparing the risk of metal leaching in phytoremediation using Noccaea caerulea with or without electric field. Chemosphere, 2019, 216, 661-668.	4.2	22
45	Heavy metals in agricultural soils from a typical township in Guangdong Province, China: Occurrences and spatial distribution. Ecotoxicology and Environmental Safety, 2019, 168, 184-191.	2.9	234
46	A real scale phytoremediation of multi-metal contaminated e-waste recycling site with Eucalyptus globulus assisted by electrical fields. Chemosphere, 2018, 201, 262-268.	4.2	27
47	Effect of planting density and harvest protocol on field-scale phytoremediation efficiency by Eucalyptus globulus. Environmental Science and Pollution Research, 2018, 25, 11343-11350.	2.7	12
48	Influence of direct and alternating current electric fields on efficiency promotion and leaching risk alleviation of chelator assisted phytoremediation. Ecotoxicology and Environmental Safety, 2018, 149, 241-247.	2.9	30
49	Effect of electrode configurations on phytoremediation efficiency and environmental risk. Plant and Soil, 2018, 424, 607-617.	1.8	5
50	Heavy metal remediation with Ficus microcarpa through transplantation and its environmental risks through field scale experiment. Chemosphere, 2018, 193, 244-250.	4.2	6
51	Using solar cell to phytoremediate field-scale metal polluted soil assisted by electric field. Ecotoxicology and Environmental Safety, 2018, 165, 404-410.	2.9	7
52	An instantaneous cutting force model for disc mill cutter based on the machining blisk-tunnel of aero-engine. International Journal of Advanced Manufacturing Technology, 2018, 99, 233-246.	1.5	7
53	The interactive effects between chelator and electric fields on the leaching risk of metals and the phytoremediation efficiency of Eucalyptus globulus. Journal of Cleaner Production, 2018, 202, 830-837.	4.6	38
54	Enhanced phytoremediation capacity of a mixed-species plantation of Eucalyptus globulus and Chickpeas. Journal of Geochemical Exploration, 2017, 182, 201-205.	1.5	20

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55	The assessment of source attribution of soil pollution in a typical e-waste recycling town and its surrounding regions using the combined organic and inorganic dataset. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3131-3141.	2.7	27
56	A multi-technique phytoremediation approach to purify metals contaminated soil from e-waste recycling site. <i>Journal of Environmental Management</i> , 2017, 204, 17-22.	3.8	26
57	Improvement effects of cytokinin on EDTA assisted phytoremediation and the associated environmental risks. <i>Chemosphere</i> , 2017, 185, 386-393.	4.2	27
58	An evaluation of EDTA additions for improving the phytoremediation efficiency of different plants under various cultivation systems. <i>Ecotoxicology</i> , 2016, 25, 646-654.	1.1	17
59	Chemical Constituents of the Leaves of <i>Juglans mandshurica</i> . <i>Chemistry of Natural Compounds</i> , 2016, 52, 93-95.	0.2	10
60	A new biflavonoid from the whole herb of <i>Lepisorus ussuriensis</i> . <i>Natural Product Research</i> , 2016, 30, 1470-1476.	1.0	5
61	Evaluation of the phytoremediation effect and environmental risk in remediation processes under different cultivation systems. <i>Journal of Cleaner Production</i> , 2016, 119, 25-31.	4.6	52
62	Ecological Risk Assessment of EDTA-Assisted Phytoremediation of Cd Under Different Cultivation Systems. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 96, 259-264.	1.3	11
63	Phytoremediation efficiency OF CD by <i>Eucalyptus globulus</i> transplanted from polluted and unpolluted sites. <i>International Journal of Phytoremediation</i> , 2016, 18, 308-314.	1.7	24
64	Phytoremediation Potential of Cadmium-Contaminated Soil by <i>Eucalyptus globulus</i> Under Different Copice Systems. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015, 94, 321-325.	1.3	19
65	Two new conjugated ketonic fatty acids from the stem bark of <i>Juglans mandshurica</i> . <i>Chinese Journal of Natural Medicines</i> , 2015, 13, 299-302.	0.7	6
66	Levels and ecological risk assessment of metals in soils from a typical e-waste recycling region in southeast China. <i>Ecotoxicology</i> , 2015, 24, 1947-1960.	1.1	60
67	A new chromene from the fruiting bodies of <i>Chroogomphus rutilus</i> . <i>Natural Product Research</i> , 2015, 29, 698-702.	1.0	5
68	Influence Analyzing and Modeling of High Frequency Forwarding Microblogs. , 2013, , .		0
69	Design of a low noise readout ASIC for CdZnTe detector. , 2012, , .		3
70	Enhanced open-circuit voltage in polymer solar cells. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	124
71	Allelic variation and genetic diversity of high molecular weight glutenin subunit in Chinese endemic wheats (<i>Triticum aestivum</i> L.). <i>Euphytica</i> , 2009, 166, 177.	0.6	19
72	Novel light-emitting electrophosphorescent copolymers based on carbazole with an Ir complex on the backbone. <i>Journal of Materials Chemistry</i> , 2007, 17, 2824.	6.7	55