Jie Luo

List of Publications by Year in descending order

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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	Metal contamination and bioremediation of agricultural soils for food safety and sustainability. Nature Reviews Earth & Environment, 2020, 1, 366-381.	12.2	493
2	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
3	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
4	An integrated approach to quantifying ecological and human health risks from different sources of soil heavy metals. Science of the Total Environment, 2020, 701, 134466.	3.9	218
5	Enhanced open-circuit voltage in polymer solar cells. Applied Physics Letters, 2009, 95, .	1.5	124
6	An integrated exploration on health risk assessment quantification of potentially hazardous elements in soils from the perspective of sources. Ecotoxicology and Environmental Safety, 2021, 208, 111489.	2.9	101
7	Metals in soils from a typical rapidly developing county, Southern China: levels, distribution, and source apportionment. Environmental Science and Pollution Research, 2019, 26, 19282-19293.	2.7	66
8	Levels and ecological risk assessment of metals in soils from a typical e-waste recycling region in southeast China. Ecotoxicology, 2015, 24, 1947-1960.	1.1	60
9	Novel light-emitting electrophosphorescent copolymers based on carbazole with an Ir complex on the backbone. Journal of Materials Chemistry, 2007, 17, 2824.	6.7	55
10	Evaluation of the phytoremediation effect and environmental risk in remediation processes under different cultivation systems. Journal of Cleaner Production, 2016, 119, 25-31.	4.6	52
11	Characterizing pollution and source identification of heavy metals in soils using geochemical baseline and PMF approach. Scientific Reports, 2020, 10, 6460.	1.6	46
12	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
13	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
14	A novel phytoremediation method assisted by magnetized water to decontaminate soil Cd based on harvesting senescent and dead leaves of Festuca arundinacea. Journal of Hazardous Materials, 2020, 383, 121115.	6.5	29
15	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. Environmental Science and Pollution Research, 2017, 24, 3131-3141.	2.7	27
16	Improvement effects of cytokinin on EDTA assisted phytoremediation and the associated environmental risks. Chemosphere, 2017, 185, 386-393.	4.2	27
17	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
18	A multi-technique phytoremediation approach to purify metals contaminated soil from e-waste recycling site. Journal of Environmental Management, 2017, 204, 17-22.	3.8	26

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19	Phytoremediation efficiency OF CD byEucalyptus globulustransplanted from polluted and unpolluted sites. International Journal of Phytoremediation, 2016, 18, 308-314.	1.7	24
20	Comparing the risk of metal leaching in phytoremediation using Noccaea caerulescens with or without electric field. Chemosphere, 2019, 216, 661-668.	4.2	22
21	Magnetic field enhance decontamination efficiency of Noccaea caerulescens and reduce leaching of non-hyperaccumulated metals. Journal of Hazardous Materials, 2019, 368, 141-148.	6.5	21
22	Impacts of water deficit and post-drought irrigation on transpiration rate, root activity, and biomass yield of Festuca arundinacea during phytoextraction. Chemosphere, 2022, 294, 133842.	4.2	21
23	Enhanced phytoremediation capacity of a mixed-species plantation of Eucalyptus globulus and Chickpeas. Journal of Geochemical Exploration, 2017, 182, 201-205.	1.5	20
24	Allelic variation and genetic diversity of high molecular weight glutenin subunit in Chinese endemic wheats (Triticum aestivum L.). Euphytica, 2009, 166, 177.	0.6	19
25	Phytoremediation Potential of Cadmium-Contaminated Soil by Eucalyptus globulus Under Different Coppice Systems. Bulletin of Environmental Contamination and Toxicology, 2015, 94, 321-325.	1.3	19
26	An evaluation of EDTA additions for improving the phytoremediation efficiency of different plants under various cultivation systems. Ecotoxicology, 2016, 25, 646-654.	1.1	17
27	Distribution characteristics of Cd in different types of leaves of Festuca arundinacea intercropped with Cicer arietinum L.: A new strategy to remove pollutants by harvesting senescent and dead leaves. Environmental Research, 2019, 179, 108801.	3.7	17
28	Effects of elevated CO2 on the phytoremediation efficiency of Noccaea caerulescens. Environmental Pollution, 2019, 255, 113169.	3.7	16
29	The phytoremediation efficiency of Eucalyptus globulus treated by static magnetic fields before sowing. Chemosphere, 2019, 226, 891-897.	4.2	16
30	The influence of light combination on the physicochemical characteristics and enzymatic activity of soil with multi-metal pollution in phytoremediation. Journal of Hazardous Materials, 2020, 393, 122406.	6.5	15
31	Effects of decapitated and root-pruned Sedum alfredii on the characterization of dissolved organic matter and enzymatic activity in rhizosphere soil during Cd phytoremediation. Journal of Hazardous Materials, 2021, 417, 125977.	6.5	14
32	The variation of metal fractions and potential environmental risk in phytoremediating multiple metal polluted soils using Noccaea caerulescens assisted by LED lights. Chemosphere, 2019, 227, 462-469.	4.2	13
33	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
34	Effect of using Celosia argentea grown from seeds treated with a magnetic field to conduct Cd phytoremediation in drought stress conditions. Chemosphere, 2021, 280, 130724.	4.2	12
35	Ecological Risk Assessment of EDTA-Assisted Phytoremediation of Cd Under Different Cultivation Systems. Bulletin of Environmental Contamination and Toxicology, 2016, 96, 259-264.	1.3	11
36	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

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37	Mass balance of metals during the phytoremediation process using Noccaea caerulescens: a pot study. Environmental Science and Pollution Research, 2021, 28, 8476-8485.	2.7	11
38	Chemical Constituents of the Leaves of Juglans mandshurica. Chemistry of Natural Compounds, 2016, 52, 93-95.	0.2	10
39	Cadmium subcellular distribution and chemical form in Festuca arundinacea in different intercropping systems during phytoremediation. Chemosphere, 2021, 276, 130137.	4.2	10
40	Enhancement of the Cd phytoremediation efficiency of Festuca arundinacea by sonic seed treatment. Chemosphere, 2022, 287, 132158.	4.2	8
41	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
42	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
43	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
44	Influence of Planting Density on the Phytoremediation Efficiency of Festuca arundinacea in cdâ€Polluted Soil. Bulletin of Environmental Contamination and Toxicology, 2021, 107, 154-159.	1.3	7
45	Two new conjugated ketonic fatty acids from the stem bark of JuglJuglans mandshurica. Chinese Journal of Natural Medicines, 2015, 13, 299-302.	0.7	6
46	Heavy metal remediation with Ficus microcarpa through transplantation and its environmental risks through field scale experiment. Chemosphere, 2018, 193, 244-250.	4.2	6
47	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
48	Influence of Drought Stress and Post-Drought Rewatering on Phytoremediation Effect of Arabidopsis thaliana. Bulletin of Environmental Contamination and Toxicology, 2022, 108, 594-599.	1.3	6
49	A new chromene from the fruiting bodies of Chroogomphus rutilus. Natural Product Research, 2015, 29, 698-702.	1.0	5
50	A new biflavonoid from the whole herb of Lepisorus ussuriensis. Natural Product Research, 2016, 30, 1470-1476.	1.0	5
51	Effect of electrode configurations on phytoremediation efficiency and environmental risk. Plant and Soil, 2018, 424, 607-617.	1.8	5
52	Ecological risk assessment at the food web scale: A case study of a mercury contaminated oilfield. Chemosphere, 2020, 260, 127599.	4.2	5
53	Influence of elevated atmospheric CO2 levels on phytoremediation effect of Festuca arundinacea intercropped with Echinochloa caudata. Chemosphere, 2021, 270, 128654.	4.2	5
54	Suitability of Nansha Mangrove Wetland for High Nitrogen Shrimp Pond Wastewater Treatment. Bulletin of Environmental Contamination and Toxicology, 2021, 106, 349-354.	1.3	5

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55	Impacts of root pruning and magnetized water irrigation on the phytoremediation efficiency of Celosia argentea. Ecotoxicology and Environmental Safety, 2021, 211, 111963.	2.9	5
56	The neural mechanism of spatial-positional association in working memory: A fMRI study. Brain and Cognition, 2021, 152, 105756.	0.8	5
57	Reactive effects of pre-sowing magnetic field exposure on morphological characteristics and antioxidant ability of Brassica juncea in phytoextraction. Chemosphere, 2022, 303, 135046.	4.2	5
58	Effects of magnetically treated Sedum alfredii seeds on the dissolved organic matter characteristics of Cd-contaminated soil during phytoextraction. Environmental Science and Pollution Research, 2022, 29, 20808-20816.	2.7	4
59	Effect of light combination on the characteristics of dissolved organic matter and chemical forms of Cd in the rhizosphere of Arabidopsis thaliana involved in phytoremediation. Ecotoxicology and Environmental Safety, 2022, 231, 113212.	2.9	4
60	Design of a low noise readout ASIC for CdZnTe detector. , 2012, , .		3
61	Impact of O3 on the phytoremediation effect of Celosia argentea in decontaminating Cd. Chemosphere, 2021, 266, 128940.	4.2	3
62	Effects of decapitation and root cutting on phytoremediation efficiency of Celosia argentea. Ecotoxicology and Environmental Safety, 2021, 215, 112162.	2.9	3
63	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. Archives of Environmental Contamination and Toxicology, 2022, 82, 403-415.	2.1	3
64	Comparing storage battery and solar cell in assistingEucalyptus Globulusto phytoremediate soil polluted by Cd, Pb, and Cu. International Journal of Phytoremediation, 2019, 21, 181-190.	1.7	2
65	Balance Between Soil Remediation and Economic Benefits of Eucalyptus globulus. Bulletin of Environmental Contamination and Toxicology, 2019, 102, 887-891.	1.3	2
66	Influence of light-irradiated Noccaea caerulescens on the characteristics of dissolved organic matter in its rhizospheric soil during phytoremediation. Environmental Science and Pollution Research, 2022, 29, 2642-2649.	2.7	2
67	Alterations of Amino Acid Concentrations and Photosynthetic Indices in Light Irradiated Arabidopsis thaliana during Phytoextraction. Sustainability, 2021, 13, 7720.	1.6	1
68	Elevated atmospheric CO₂ enhances the phytoremediation efficiency of tall fescue (Festuca arundinacea) in Cd-polluted soil. International Journal of Phytoremediation, 2022, 24, 1273-1283.	1.7	1
69	Influence of magnetized water irrigation on characteristics of antioxidant enzyme, ferritin, and Cd excretion in Festuca arundinacea during phytoextraction. Journal of Hazardous Materials, 2022, 438, 129527.	6.5	1
70	Influence Analyzing and Modeling of High Frequency Forwarding Microblogs. , 2013, , .		0
71	Influences of elevated O3 and CO2 on Cd distribution in different Festuca arundinacea tissues. Chemosphere, 2022, 290, 133343.	4.2	0
72	Impacts of root pruning intensity and direction on the phytoremediation of moderately Cd-polluted soil by Celosia argentea. International Journal of Phytoremediation, 2022, 24, 1152-1162.	1.7	0