

Liuwei Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5351809/publications.pdf>

Version: 2024-02-01

24
papers

2,338
citations

361045

20
h-index

610482

24
g-index

24
all docs

24
docs citations

24
times ranked

1916
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental fate, toxicity and risk management strategies of nanoplastics in the environment: Current status and future perspectives. <i>Journal of Hazardous Materials</i> , 2021, 401, 123415.	6.5	325
2	A green biochar/iron oxide composite for methylene blue removal. <i>Journal of Hazardous Materials</i> , 2020, 384, 121286.	6.5	315
3	Biochar Aging: Mechanisms, Physicochemical Changes, Assessment, And Implications for Field Applications. <i>Environmental Science & Technology</i> , 2020, 54, 14797-14814.	4.6	273
4	Remediation of mercury contaminated soil, water, and air: A review of emerging materials and innovative technologies. <i>Environment International</i> , 2020, 134, 105281.	4.8	228
5	New trends in biochar pyrolysis and modification strategies: feedstock, pyrolysis conditions, sustainability concerns and implications for soil amendment. <i>Soil Use and Management</i> , 2020, 36, 358-386.	2.6	200
6	A review of green remediation strategies for heavy metal contaminated soil. <i>Soil Use and Management</i> , 2021, 37, 936-963.	2.6	117
7	Green immobilization of toxic metals using alkaline enhanced rice husk biochar: Effects of pyrolysis temperature and KOH concentration. <i>Science of the Total Environment</i> , 2020, 720, 137584.	3.9	110
8	Green remediation of Cd and Hg contaminated soil using humic acid modified montmorillonite: Immobilization performance under accelerated ageing conditions. <i>Journal of Hazardous Materials</i> , 2020, 387, 122005.	6.5	87
9	Field trials of phytomining and phytoremediation: A critical review of influencing factors and effects of additives. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 2724-2774.	6.6	84
10	Biochar composites: Emerging trends, field successes and sustainability implications. <i>Soil Use and Management</i> , 2022, 38, 14-38.	2.6	73
11	Possible application of stable isotope compositions for the identification of metal sources in soil. <i>Journal of Hazardous Materials</i> , 2021, 407, 124812.	6.5	69
12	Integrated Life Cycle Assessment for Sustainable Remediation of Contaminated Agricultural Soil in China. <i>Environmental Science & Technology</i> , 2021, 55, 12032-12042.	4.6	62
13	Vertical migration of microplastics in porous media: Multiple controlling factors under wet-dry cycling. <i>Journal of Hazardous Materials</i> , 2021, 419, 126413.	6.5	55
14	Effect of immobilizing reagents on soil Cd and Pb lability under freeze-thaw cycles: Implications for sustainable agricultural management in seasonally frozen land. <i>Environment International</i> , 2020, 144, 106040.	4.8	54
15	Soil plastisphere: Exploration methods, influencing factors, and ecological insights. <i>Journal of Hazardous Materials</i> , 2022, 430, 128503.	6.5	45
16	Modeling the Conditional Fragmentation-Induced Microplastic Distribution. <i>Environmental Science & Technology</i> , 2021, 55, 6012-6021.	4.6	44
17	The development of groundwater research in the past 40 years: A burgeoning trend in groundwater depletion and sustainable management. <i>Journal of Hydrology</i> , 2020, 587, 125006.	2.3	40
18	Green remediation of benzene contaminated groundwater using persulfate activated by biochar composite loaded with iron sulfide minerals. <i>Chemical Engineering Journal</i> , 2022, 429, 132292.	6.6	39

#	ARTICLE	IF	CITATIONS
19	Simultaneous reduction and immobilization of Cr(VI) in seasonally frozen areas: Remediation mechanisms and the role of ageing. <i>Journal of Hazardous Materials</i> , 2021, 415, 125650.	6.5	37
20	Aging features of metal(loid)s in biochar-amended soil: Effects of biochar type and aging method. <i>Science of the Total Environment</i> , 2022, 815, 152922.	3.9	31
21	Natural field freeze-thaw process leads to different performances of soil amendments towards Cd immobilization and enrichment. <i>Science of the Total Environment</i> , 2022, 831, 154880.	3.9	18
22	Nanoplastic stimulates metalloid leaching from historically contaminated soil via indirect displacement. <i>Water Research</i> , 2022, 218, 118468.	5.3	15
23	Impact of Atmospheric Pressure Fluctuations on Nonequilibrium Transport of Volatile Organic Contaminants in the Vadose Zone: Experimental and Numerical Modeling. <i>Water Resources Research</i> , 2021, 57, e2020WR029344.	1.7	9
24	Long-term immobilization of soil metalloids under simulated aging: Experimental and modeling approach. <i>Science of the Total Environment</i> , 2022, 806, 150501.	3.9	8