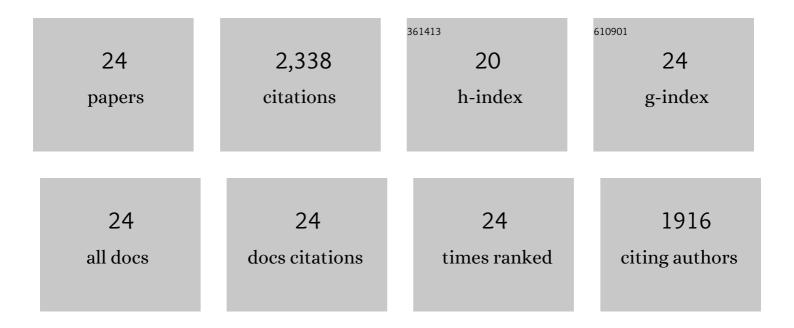
Liuwei Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Environmental fate, toxicity and risk management strategies of nanoplastics in the environment: Current status and future perspectives. Journal of Hazardous Materials, 2021, 401, 123415.	12.4	325
2	A green biochar/iron oxide composite for methylene blue removal. Journal of Hazardous Materials, 2020, 384, 121286.	12.4	315
3	Biochar Aging: Mechanisms, Physicochemical Changes, Assessment, And Implications for Field Applications. Environmental Science & amp; Technology, 2020, 54, 14797-14814.	10.0	273
4	Remediation of mercury contaminated soil, water, and air: A review of emerging materials and innovative technologies. Environment International, 2020, 134, 105281.	10.0	228
5	New trends in biochar pyrolysis and modification strategies: feedstock, pyrolysis conditions, sustainability concerns and implications for soil amendment. Soil Use and Management, 2020, 36, 358-386.	4.9	200
6	A review of green remediation strategies for heavy metal contaminated soil. Soil Use and Management, 2021, 37, 936-963.	4.9	117
7	Green immobilization of toxic metals using alkaline enhanced rice husk biochar: Effects of pyrolysis temperature and KOH concentration. Science of the Total Environment, 2020, 720, 137584.	8.0	110
8	Green remediation of Cd and Hg contaminated soil using humic acid modified montmorillonite: Immobilization performance under accelerated ageing conditions. Journal of Hazardous Materials, 2020, 387, 122005.	12.4	87
9	Field trials of phytomining and phytoremediation: A critical review of influencing factors and effects of additives. Critical Reviews in Environmental Science and Technology, 2020, 50, 2724-2774.	12.8	84
10	Biochar composites: Emerging trends, field successes and sustainability implications. Soil Use and Management, 2022, 38, 14-38.	4.9	73
11	Possible application of stable isotope compositions for the identification of metal sources in soil. Journal of Hazardous Materials, 2021, 407, 124812.	12.4	69
12	Integrated Life Cycle Assessment for Sustainable Remediation of Contaminated Agricultural Soil in China. Environmental Science & Technology, 2021, 55, 12032-12042.	10.0	62
13	Vertical migration of microplastics in porous media: Multiple controlling factors under wet-dry cycling. Journal of Hazardous Materials, 2021, 419, 126413.	12.4	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. Environment International, 2020, 144, 106040.	10.0	54
15	Soil plastisphere: Exploration methods, influencing factors, and ecological insights. Journal of Hazardous Materials, 2022, 430, 128503.	12.4	45
16	Modeling the Conditional Fragmentation-Induced Microplastic Distribution. Environmental Science & Technology, 2021, 55, 6012-6021.	10.0	44
17	The development of groundwater research in the past 40Âyears: A burgeoning trend in groundwater depletion and sustainable management. Journal of Hydrology, 2020, 587, 125006.	5.4	40
18	Green remediation of benzene contaminated groundwater using persulfate activated by biochar composite loaded with iron sulfide minerals. Chemical Engineering Journal, 2022, 429, 132292.	12.7	39

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#	Article	IF	CITATIONS
19	Simultaneous reduction and immobilization of Cr(VI) in seasonally frozen areas: Remediation mechanisms and the role of ageing. Journal of Hazardous Materials, 2021, 415, 125650.	12.4	37
20	Aging features of metal(loid)s in biochar-amended soil: Effects of biochar type and aging method. Science of the Total Environment, 2022, 815, 152922.	8.0	31
21	Natural field freeze-thaw process leads to different performances of soil amendments towards Cd immobilization and enrichment. Science of the Total Environment, 2022, 831, 154880.	8.0	18
22	Nanoplastic stimulates metalloid leaching from historically contaminated soil via indirect displacement. Water Research, 2022, 218, 118468.	11.3	15
23	Impact of Atmospheric Pressure Fluctuations on Nonequilibrium Transport of Volatile Organic Contaminants in the Vadose Zone: Experimental and Numerical Modeling. Water Resources Research, 2021, 57, e2020WR029344.	4.2	9
24	Long-term immobilization of soil metalloids under simulated aging: Experimental and modeling approach. Science of the Total Environment, 2022, 806, 150501.	8.0	8