

Liuwei Wang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,338
citations

361413

20
h-index

610901

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. | 12.4 | 325 |
| 2 | A green biochar/iron oxide composite for methylene blue removal. <i>Journal of Hazardous Materials</i> , 2020, 384, 121286. | 12.4 | 315 |
| 3 | Biochar Aging: Mechanisms, Physicochemical Changes, Assessment, And Implications for Field Applications. <i>Environmental Science & Technology</i> , 2020, 54, 14797-14814. | 10.0 | 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. | 10.0 | 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. | 4.9 | 200 |
| 6 | A review of green remediation strategies for heavy metal contaminated soil. <i>Soil Use and Management</i> , 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. <i>Science of the Total Environment</i> , 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. <i>Journal of Hazardous Materials</i> , 2020, 387, 122005. | 12.4 | 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. | 12.8 | 84 |
| 10 | Biochar composites: Emerging trends, field successes and sustainability implications. <i>Soil Use and Management</i> , 2022, 38, 14-38. | 4.9 | 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. | 12.4 | 69 |
| 12 | Integrated Life Cycle Assessment for Sustainable Remediation of Contaminated Agricultural Soil in China. <i>Environmental Science & Technology</i> , 2021, 55, 12032-12042. | 10.0 | 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. | 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. <i>Environment International</i> , 2020, 144, 106040. | 10.0 | 54 |
| 15 | Soil plastisphere: Exploration methods, influencing factors, and ecological insights. <i>Journal of Hazardous Materials</i> , 2022, 430, 128503. | 12.4 | 45 |
| 16 | Modeling the Conditional Fragmentation-Induced Microplastic Distribution. <i>Environmental Science & Technology</i> , 2021, 55, 6012-6021. | 10.0 | 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. | 5.4 | 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. | 12.7 | 39 |

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|----|--|------|-----------|
| 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 |