

Li Wu

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,522
citations

394286

19
h-index

315616

38
g-index

41
all docs

41
docs citations

41
times ranked

1075
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal synthesis of magnetic sludge biochar for tetracycline and ciprofloxacin adsorptive removal. <i>Bioresource Technology</i> , 2021, 319, 124199.	4.8	175
2	Persulfate-based degradation of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) in aqueous solution: Review on influences, mechanisms and prospective. <i>Journal of Hazardous Materials</i> , 2020, 393, 122405.	6.5	150
3	Review on ultrasound assisted persulfate degradation of organic contaminants in wastewater: Influences, mechanisms and prospective. <i>Chemical Engineering Journal</i> , 2019, 378, 122146.	6.6	145
4	Iron/zinc and phosphoric acid modified sludge biochar as an efficient adsorbent for fluoroquinolones antibiotics removal. <i>Ecotoxicology and Environmental Safety</i> , 2020, 196, 110550.	2.9	93
5	Efficient degradation of diclofenac sodium by periodate activation using Fe/Cu bimetallic modified sewage sludge biochar/UV system. <i>Science of the Total Environment</i> , 2021, 783, 146974.	3.9	79
6	Carbon nanotube supported sludge biochar as an efficient adsorbent for low concentrations of sulfamethoxazole removal. <i>Science of the Total Environment</i> , 2020, 718, 137299.	3.9	77
7	Analysis of environmental factors determining development and succession in biological soil crusts. <i>Science of the Total Environment</i> , 2015, 538, 492-499.	3.9	63
8	Adsorptive removal of imidacloprid by potassium hydroxide activated magnetic sugarcane bagasse biochar: Adsorption efficiency, mechanism and regeneration. <i>Journal of Cleaner Production</i> , 2021, 292, 126005.	4.6	62
9	A novel, efficient and sustainable magnetic sludge biochar modified by graphene oxide for environmental concentration imidacloprid removal. <i>Journal of Hazardous Materials</i> , 2021, 407, 124777.	6.5	60
10	Effects of light and temperature on open cultivation of desert cyanobacterium <i>Microcoleus vaginatus</i> . <i>Bioresource Technology</i> , 2015, 182, 144-150.	4.8	59
11	UV/SO ₃ ²⁻ based advanced reduction processes of aqueous contaminants: Current status and prospects. <i>Chemical Engineering Journal</i> , 2020, 397, 125412.	6.6	48
12	Efficient adsorptive removal of fluoroquinolone antibiotics from water by alkali and bimetallic salts co-hydrothermally modified sludge biochar. <i>Environmental Pollution</i> , 2022, 298, 118833.	3.7	45
13	Novel insights into the mechanism of periodate activation by heterogeneous ultrasonic-enhanced sludge biochar: Relevance for efficient degradation of levofloxacin. <i>Journal of Hazardous Materials</i> , 2022, 434, 128860.	6.5	44
14	Highly efficient removal of imidacloprid using potassium hydroxide activated magnetic microporous loofah sponge biochar. <i>Science of the Total Environment</i> , 2021, 765, 144253.	3.9	37
15	One-pot hydrothermal synthesis of magnetic N-doped sludge biochar for efficient removal of tetracycline from various environmental waters. <i>Separation and Purification Technology</i> , 2022, 297, 121426.	3.9	32
16	A new biofilm based microalgal cultivation approach on shifting sand surface for desert cyanobacterium <i>Microcoleus vaginatus</i> . <i>Bioresource Technology</i> , 2017, 238, 602-608.	4.8	31
17	Synergistic heat/UV activated persulfate for the treatment of nanofiltration concentrated leachate. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111522.	2.9	31
18	Nutrient transferring from wastewater to desert through artificial cultivation of desert cyanobacteria. <i>Bioresource Technology</i> , 2018, 247, 947-953.	4.8	29

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19	Highly efficient nickel (II) removal by sewage sludge biochar supported $\hat{\text{I}}\pm\text{-Fe}_2\text{O}_3$ and $\hat{\text{I}}\pm\text{-FeOOH}$: Sorption characteristics and mechanisms. <i>PLoS ONE</i> , 2019, 14, e0218114.	1.1	26
20	Montmorillonite facilitated Pb(II) biomineralization by <i>Chlorella sorokiniana</i> FK in soil. <i>Journal of Hazardous Materials</i> , 2022, 423, 127007.	6.5	21
21	Kinetics and mechanisms of chloramphenicol degradation in aqueous solutions using heat-assisted nZVI activation of persulfate. <i>Journal of Molecular Liquids</i> , 2020, 313, 113511.	2.3	19
22	Longitudinal Photosynthetic Gradient in Crust Lichens™ Thalli. <i>Microbial Ecology</i> , 2014, 67, 888-896.	1.4	17
23	Periodate-based oxidation focusing on activation, multivariate-controlled performance and mechanisms for water treatment and purification. <i>Separation and Purification Technology</i> , 2022, 289, 120746.	3.9	17
24	A visualized investigation on the intellectual structure and evolution of waste printed circuit board research during 2000–2016. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11336-11341.	2.7	16
25	Effects of vegetation on bacterial communities, carbon and nitrogen in dryland soil surfaces: implications for shrub encroachment in the southwest Kalahari. <i>Science of the Total Environment</i> , 2021, 764, 142847.	3.9	15
26	An efficient, green and sustainable potassium hydroxide activated magnetic corn cob biochar for imidacloprid removal. <i>Chemosphere</i> , 2022, 291, 132707.	4.2	15
27	Comparing the nitrogen removal performance and microbial communities of flocs-granules hybrid and granule-based CANON systems. <i>Science of the Total Environment</i> , 2020, 703, 134949.	3.9	14
28	Review on plant uptake of PFOS and PFOA for environmental cleanup: potential and implications. <i>Environmental Science and Pollution Research</i> , 2021, 28, 30459-30470.	2.7	12
29	Photosynthetic recovery and acclimation to excess light intensity in the rehydrated lichen soil crusts. <i>PLoS ONE</i> , 2017, 12, e0172537.	1.1	11
30	Efficient removal of Imidacloprid and nutrients by microalgae–bacteria consortium in municipal wastewater: effects, mechanism, and importance of light. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 2747-2755.	1.6	10
31	Temperature modulating sand-consolidating cyanobacterial biomass, nutrients removal and bacterial community dynamics in municipal wastewater. <i>Bioresource Technology</i> , 2020, 301, 122758.	4.8	9
32	Cyanobacterial persistence and influence on microbial community dynamics over 15% years in induced biocrusts. <i>Environmental Microbiology</i> , 2022, 24, 66-81.	1.8	9
33	Microalgae fuel cells enhanced biodegradation of imidacloprid by <i>Chlorella</i> sp.. <i>Biochemical Engineering Journal</i> , 2022, 179, 108327.	1.8	9
34	Cyanobacterial community composition and their functional shifts associated with biocrust succession in the Gurbantunggut Desert. <i>Environmental Microbiology Reports</i> , 2021, 13, 884-898.	1.0	8
35	Nitrogen concentration acting as an environmental signal regulates cyanobacterial EPS excretion. <i>Chemosphere</i> , 2022, 291, 132878.	4.2	8
36	Combined electrosorption and chemisorption of As(III) in aqueous solutions with manganese dioxide as the electrode. <i>Environmental Technology and Innovation</i> , 2021, 24, 101832.	3.0	7

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37	Effects of ambient temperature on the redistribution efficiency of nutrients by desert cyanobacteria- <i>Scytonema javanicum</i> . <i>Science of the Total Environment</i> , 2020, 737, 139733.	3.9	6
38	Hydrothermal Enhanced Nanoscale Zero-Valent Iron Activated Peroxydisulfate Oxidation of Chloramphenicol in Aqueous Solutions: Fe-Speciation Analysis and Modeling Optimization. <i>Water (Switzerland)</i> , 2020, 12, 131.	1.2	5
39	Inoculation concentration modulating the secretion and accumulation pattern of exopolysaccharides in desert cyanobacterium <i>Microcoleus vaginatus</i> . <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 330-337.	1.4	3
40	Physical Disturbance Reduces Cyanobacterial Relative Abundance and Substrate Metabolism Potential of Biological Soil Crusts on a Gold Mine Tailing of Central China. <i>Frontiers in Microbiology</i> , 2022, 13, 811039.	1.5	3
41	A novel of transforming wastewater pollution into resources for desertification control by sand-consolidating cyanobacteria, <i>Scytonema javanicum</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 13861-13872.	2.7	2