

List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1129886/jiwei-liu-publications-by-citations.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72 papers	1,101 citations	21 h-index	31 g-index
73 ext. papers	1,453 ext. citations	4.7 avg, IF	4.93 L-index

#	Paper	IF	Citations
72	Recovery of copper and water from copper-electroplating wastewater by the combination process of electrolysis and electrodialysis. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 189, 814-20	12.8	69
71	Phytogenic magnetic nanoparticles for wastewater treatment: a review. <i>RSC Advances</i> , <b>2017</b> , 7, 40158-40178	9.178	68
70	Overview of microbes based fabricated biogenic nanoparticles for water and wastewater treatment. <i>Journal of Environmental Management</i> , <b>2019</b> , 230, 128-150	7.9	64
69	Adsorption of As(V) inside the pores of porous hematite in water. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 307, 312-7	12.8	57
68	Citric acid facilitated thermal treatment: An innovative method for the remediation of mercury contaminated soil. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 300, 546-552	12.8	47
67	Sorption of cationic malachite green dye on phytogenic magnetic nanoparticles functionalized by 3-mercaptopropanoic acid.. <i>RSC Advances</i> , <b>2018</b> , 8, 8878-8897	3.7	47
66	Yield cultivation of magnetotactic bacteria and magnetosomes: A review. <i>Journal of Basic Microbiology</i> , <b>2017</b> , 57, 643-652	2.7	45
65	Removal of crystal violet and methylene blue from aqueous solutions using the fly ash-based adsorbent material-supported zero-valent iron. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 250, 468-476	6	44
64	Development and application of novel bio-magnetic membrane capsules for the removal of the cationic dye malachite green in wastewater treatment.. <i>RSC Advances</i> , <b>2019</b> , 9, 3625-3646	3.7	38
63	Viscosities of Binary and Ternary Mixtures of Water, Alcohol, Acetone, and Hexane. <i>Journal of Dispersion Science and Technology</i> , <b>2008</b> , 29, 1367-1372	1.5	38
62	Removal of nitrate from groundwater using the technology of electrodialysis and electrodeionization. <i>Desalination and Water Treatment</i> , <b>2011</b> , 34, 394-401		36
61	Encapsulated green magnetic nanoparticles for the removal of toxic Pb and Cd from water: Development, characterization and application. <i>Journal of Environmental Management</i> , <b>2019</b> , 234, 273-289	7.9	35
60	An evaluation of different soil washing solutions for remediating arsenic-contaminated soils. <i>Chemosphere</i> , <b>2017</b> , 173, 368-372	8.4	32
59	Green Synthesis of Phytogenic Magnetic Nanoparticles and Their Applications in the Adsorptive Removal of Crystal Violet from Aqueous Solution. <i>Arabian Journal for Science and Engineering</i> , <b>2018</b> , 43, 6245-6259	2.5	32
58	Removal of lead and cadmium ions by single and binary systems using phytogenic magnetic nanoparticles functionalized by 3-mercaptopropanoic acid. <i>Chinese Journal of Chemical Engineering</i> , <b>2019</b> , 27, 949-964	3.2	30
57	An overview of heavy metal removal from wastewater using magnetotactic bacteria. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 2817-2832	3.5	26
56	Efficient removal of acid orange 7 using a porous adsorbent-supported zero-valent iron as a synergistic catalyst in advanced oxidation process. <i>Chemosphere</i> , <b>2020</b> , 244, 125522	8.4	25

55	Optimization of biosurfactant production from <i>Pseudomonas</i> sp. CQ2 and its application for remediation of heavy metal contaminated soil. <i>Chemosphere</i> , <b>2021</b> , 265, 129090	8.4	24
54	Green synthesis of the innovative super paramagnetic nanoparticles from the leaves extract of <i>Fraxinus chinensis</i> Roxb and their application for the decolourisation of toxic dyes. <i>Green Processing and Synthesis</i> , <b>2019</b> , 8, 256-271	3.9	22
53	Fabrication of a low-cost adsorbent supported zero-valent iron by using red mud for removing Pb(ii) and Cr(vi) from aqueous solutions.. <i>RSC Advances</i> , <b>2019</b> , 9, 33486-33496	3.7	22
52	Effect of electrode configuration on pH distribution and heavy metal ions migration during soil electrokinetic remediation. <i>Environmental Earth Sciences</i> , <b>2013</b> , 69, 257-265	2.9	21
51	An innovative method for the solidification/stabilization of PAHs-contaminated soil using sulfonated oil. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 344, 742-748	12.8	17
50	Morphological and cellular diversity of magnetotactic bacteria: A review. <i>Journal of Basic Microbiology</i> , <b>2018</b> , 58, 378-389	2.7	17
49	Novel approach to control adsorbent aggregation: iron fixed bentonite-fly ash for Lead (Pb) and Cadmium (Cd) removal from aqueous media. <i>Frontiers of Environmental Science and Engineering</i> , <b>2018</b> , 12, 1	5.8	17
48	Isolation and characterization of biosurfactant-producing and diesel oil degrading sp. CQ2 from Changqing oil field, China.. <i>RSC Advances</i> , <b>2018</b> , 8, 39710-39720	3.7	16
47	A critical review on the phytoremediation of heavy metals from environment: Performance and challenges. <i>Chemosphere</i> , <b>2021</b> , 291, 132979	8.4	14
46	Co-influence of the pore size of adsorbents and the structure of adsorbates on adsorption of dyes. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 14686-14695		13
45	Preparation of microscale zero-valent iron-fly ash-bentonite composite and evaluation of its adsorption performance of crystal violet and methylene blue dyes. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 20050-20062	5.1	13
44	Identification and Elucidation of the Designing and Operational Issues of Trickling Filter Systems for Wastewater Treatment. <i>Polish Journal of Environmental Studies</i> , <b>2017</b> , 26, 2431-2444	2.3	12
43	STUDY ON DECOMPOSITION OF GOETHITE/SIDERITE IN THERMAL MODIFICATION THROUGH XRD, SEM AND TGA MEASUREMENTS. <i>Surface Review and Letters</i> , <b>2014</b> , 21, 1450019	1.1	11
42	Appraisal of Cu(ii) adsorption by graphene oxide and its modelling artificial neural network.. <i>RSC Advances</i> , <b>2019</b> , 9, 30240-30248	3.7	10
41	Removal of Pb(ii) and Cr(vi) from aqueous solutions using the prepared porous adsorbent-supported Fe/Ni nanoparticles.. <i>RSC Advances</i> , <b>2018</b> , 8, 32063-32072	3.7	10
40	A granular adsorbent-supported Fe/Ni nanoparticles activating persulfate system for simultaneous adsorption and degradation of ciprofloxacin. <i>Chinese Journal of Chemical Engineering</i> , <b>2020</b> , 28, 1077-1084	3.2	9
39	An improved method of sediment grain size trend analysis in the Xiaoqinghe Estuary, southwestern Laizhou Bay, China. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	8
38	Improvement of compressive strength of lime mortar with carboxymethyl cellulose. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 9279-9286	4.3	8

37	Optimization of pH, temperature and carbon source for bioleaching of heavy metals by <i>Aspergillus flavus</i> isolated from contaminated soil. <i>Main Group Metal Chemistry</i> , <b>2019</b> , 42, 1-7	1.6	8
36	Treatment of PAH-contaminated soil using cement-activated persulfate. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 887-895	5.1	8
35	Development of an innovative capsule with three-dimension honeycomb architecture via one-step titration-gel method for the removal of methylene blue. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 128, 911-922	7.9	7
34	Effect of different electrode configurations on the migration of copper ions during the electrokinetic remediation process. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2009</b> , 4, 581-585	1.3	7
33	The sequestration of aqueous Cr(VI) by zero valent iron-based materials: From synthesis to practical application. <i>Journal of Cleaner Production</i> , <b>2021</b> , 312, 127678	10.3	7
32	Application of microbial immobilization technology for remediation of Cr(VI) contamination: A review. <i>Chemosphere</i> , <b>2022</b> , 286, 131721	8.4	7
31	Synthesis of Rice Husk-Derived Magnetic Biochar Through Liquefaction to Adsorb Anionic and Cationic Dyes from Aqueous Solutions. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 233-246	2.5	6
30	Preparation of new adsorbent-supported Fe/Ni particles for the removal of crystal violet and methylene blue by a heterogeneous Fenton-like reaction.. <i>RSC Advances</i> , <b>2019</b> , 9, 22513-22522	3.7	5
29	Active biochar-supported iron oxides for Cr(VI) removal from groundwater: Kinetics, stability and the key role of FeO in electron-transfer mechanism. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 424, 127542	12.8	5
28	3-Dimensional membrane capsules: Synthesis modulations for the remediation of environmental pollutants  A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2020</b> , 1-62	11.1	4
27	Preparation of Fe@GAC and Fe@GAR and Their Application for Removal of Crystal Violet from Wastewater. <i>Water, Air, and Soil Pollution</i> , <b>2018</b> , 229, 1	2.6	4
26	INFLUENCE OF STICKY RICE AND ANIONIC POLYACRYLAMIDE ON THE CRYSTALLIZATION OF CALCIUM CARBONATE IN CHINESE ORGANIC SANHETU. <i>Surface Review and Letters</i> , <b>2015</b> , 22, 1550073	1.1	4
25	Migration and transformation of heavy metals in Chinese medicine residues during the process of traditional pyrolysis and solar pyrolysis.. <i>Chemosphere</i> , <b>2022</b> , 293, 133658	8.4	3
24	Simultaneous Desorption of Polycyclic Aromatic Hydrocarbons and Heavy Metals from Contaminated Soils by Rhamnolipid Biosurfactants. <i>Journal of Ocean University of China</i> , <b>2020</b> , 19, 874-882	1	3
23	Citric acid modified waste cigarette filters for adsorptive removal of methylene blue dye from aqueous solution. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50655	2.9	3
22	Surface decoration and characterization of solar driven biochar for the removal of toxic aromatic pollutant. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2021</b> , 96, 2310	3.5	3
21	Isolation, identification, and characterization of diesel-oil-degrading bacterial strains indigenous to Changqing oil field, China. <i>Journal of Basic Microbiology</i> , <b>2019</b> , 59, 723-734	2.7	2
20	Application of activated zeolite in the advanced treatment of potable water <b>2007</b> , 56, 257-262		2

19	Molecular insights on the influence of temperature and metal ions on the hydration of kaolinite (001) surface. <i>Molecular Simulation</i> , <b>2021</b> , 47, 1029-1036	2	2
18	Fungal strain <i>Aspergillus flavus</i> F3 as a potential candidate for the removal of lead (II) and chromium (VI) from contaminated soil. <i>Main Group Metal Chemistry</i> , <b>2016</b> , 39,	1.6	2
17	Synthesis of carbon embedded silica and zeolite from rice husk to remove trace element from aqueous solutions: characterization, optimization and equilibrium studies. <i>Separation Science and Technology</i> , <b>2020</b> , 55, 2890-2903	2.5	2
16	Sources, classifications, constituents, and available treatment technologies for various types of wastewater: An overview <b>2021</b> , 11-46		2
15	Synthesis of Fly Ash and Bentonite-Supported Zero-Valent Iron and Its Application for Removal of Toxic Cationic Dyes from Aqueous Solutions. <i>Environmental Engineering Science</i> , <b>2017</b> , 34, 740-751	2	1
14	Sustainability analysis of SEEA indicators for non-renewable resources. <i>Chinese Journal of Population Resources and Environment</i> , <b>2013</b> , 11, 97-108	2.1	1
13	Heavy metals recovery from electroplating sludge by the multi-steps of leaching, electrodepositing and precipitating <b>2011</b> ,		1
12	Production of pure water suitable for laboratory experiments by electrodialysis technology <b>2011</b> ,		1
11	An overview of the methods for analyzing the chemical forms of metals in plants.. <i>International Journal of Phytoremediation</i> , <b>2022</b> , 1-13	3.9	1
10	Enhanced removal of humic acid from piggery digestate by combined microalgae and electric field.. <i>Bioresource Technology</i> , <b>2022</b> , 347, 126668	11	1
9	Sequential extraction procedure for fractionation of Pb and Cr in artificial and contaminated soil. <i>Main Group Metal Chemistry</i> , <b>2016</b> , 39,	1.6	1
8	Bionanocomposites for wastewater treatment <b>2021</b> , 249-272		1
7	Resource utilization of electroplating wastewater: obstacles and solutions. <i>Environmental Science: Water Research and Technology</i> ,	4.2	0
6	A new insight into the restriction of Cr(VI) removal performance of activated carbon under neutral pH condition. <i>Water Science and Technology</i> , <b>2021</b> , 84, 2304-2317	2.2	0
5	Remediation of Chromium (VI) from Groundwater by Metal-Based Biochar under Anaerobic Conditions. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 894	3	0
4	Cloning and characterization of F3PYC gene encoding pyruvate carboxylase in <i>Aspergillus flavus</i> strain (F3). <i>3 Biotech</i> , <b>2017</b> , 7, 245	2.8	
3	SIMULATION OF MINIMUM ICE UNIT AND ITS EFFECT ON WATER PROPERTIES. <i>Surface Review and Letters</i> , <b>2008</b> , 15, 841-846	1.1	
2	Influencing factors for nutrient removal from piggery digestate by coupling microalgae and electric field.. <i>Environmental Technology (United Kingdom)</i> , <b>2022</b> , 1-27	2.6	

- 1 Appraisal of a novel extraction technique for estimation of cadmium content in pea seedlings based on human health risk assessment. *International Journal of Phytoremediation*, **2021**, 1-8 3.9