

# Yanju Liu

## List of Publications by Year in Descending Order

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**Version:** 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59  
papers

2,011  
citations

22  
h-index

44  
g-index

59  
ext. papers

2,669  
ext. citations

7.8  
avg, IF

5.5  
L-index

#	Paper	IF	Citations
59	Facile one pot preparation of magnetic chitosan-palygorskite nanocomposite for efficient removal of lead from water. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 575-587	9.3	6
58	Magnetic responsive mesoporous alginate/β-cyclodextrin polymer beads enhance selectivity and adsorption of heavy metal ions.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> ,	7.9	1
57	Capability of Organically Modified Montmorillonite Nanoclay as a Carrier for Imidacloprid Delivery. <i>ACS Agricultural Science and Technology</i> , <b>2022</b> , 2, 57-68		1
56	Effects of Modified Biochar on the Mobility and Speciation Distribution of Cadmium in Contaminated Soil. <i>Processes</i> , <b>2022</b> , 10, 818	2.9	
55	Magnetic biochar for removal of perfluorooctane sulphonate (PFOS): Interfacial interaction and adsorption mechanism. <i>Environmental Technology and Innovation</i> , <b>2022</b> , 28, 102593	7	0
54	Effects of Phosphate, Red Mud, and Biochar on As, Cd, and Cu Immobilization and Enzymatic Activity in a Co-Contaminated Soil. <i>Processes</i> , <b>2022</b> , 10, 1127	2.9	1
53	Total oxidisable precursor assay towards selective detection of PFAS in AFFF. <i>Journal of Cleaner Production</i> , <b>2021</b> , 328, 129568	10.3	2
52	Bacterial community profile of the crude oil-contaminated saline soil in the Yellow River Delta Natural Reserve, China. <i>Chemosphere</i> , <b>2021</b> , 289, 133207	8.4	2
51	Single and Binary Adsorption Behaviour and Mechanisms of Cd <sup>2+</sup> , Cu <sup>2+</sup> and Ni <sup>2+</sup> onto Modified Biochar in Aqueous Solutions. <i>Processes</i> , <b>2021</b> , 9, 1829	2.9	4
50	Immobilization of Cd and Pb in a contaminated acidic soil amended with hydroxyapatite, bentonite, and biochar. <i>Journal of Soils and Sediments</i> , <b>2021</b> , 21, 2262-2272	3.4	4
49	Spatial-Temporal Changes and Driving Force Analysis of Green Space in Coastal Cities of Southeast China over the Past 20 Years. <i>Land</i> , <b>2021</b> , 10, 537	3.5	4
48	Mesoporous Biopolymer Architecture Enhanced the Adsorption and Selectivity of Aqueous Heavy-Metal Ions. <i>ACS Omega</i> , <b>2021</b> , 6, 15316-15331	3.9	4
47	Metagenomics analysis identifies nitrogen metabolic pathway in bioremediation of diesel contaminated soil. <i>Chemosphere</i> , <b>2021</b> , 271, 129566	8.4	11
46	Comparison of ashing and pyrolysis treatment on cadmium/zinc hyperaccumulator plant: Effects on bioavailability and metal speciation in solid residues and risk assessment. <i>Environmental Pollution</i> , <b>2021</b> , 272, 116039	9.3	9
45	Land application of sewage sludge biochar: Assessments of soil-plant-human health risks from potentially toxic metals. <i>Science of the Total Environment</i> , <b>2021</b> , 756, 144137	10.2	10
44	Relationship between Soil Fungi and Seedling Density in the Vicinity of Adult Conspecifics in an Arid Desert Forest. <i>Forests</i> , <b>2021</b> , 12, 92	2.8	0
43	Using quantitative ion character-activity relationship (QICAR) method in evaluation of metal toxicity toward wheat. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 221, 112443	7	0

42	Magnetically separable mesoporous alginate polymer beads assist adequate removal of aqueous methylene blue over broad solution pH. <i>Journal of Cleaner Production</i> , <b>2021</b> , 319, 128694	10.3	6
41	The effects of soil properties and co-contaminants on sorption of perfluorooctane sulfonate (PFOS) in contrasting soils. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 19, 100965	7	3
40	Adsorption of Perfluorooctane sulfonate (PFOS) onto metal oxides modified biochar. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 19, 100816	7	24
39	Critical review of magnetic biosorbents: Their preparation, application, and regeneration for wastewater treatment. <i>Science of the Total Environment</i> , <b>2020</b> , 702, 134893	10.2	69
38	Sustainability and environmental ethics for the application of engineered nanoparticles. <i>Environmental Science and Policy</i> , <b>2020</b> , 103, 85-98	6.2	24
37	Hollow Porous Silica Nanosphere with Single Large Pore Opening for Pesticide Loading and Delivery. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 105-113	5.6	15
36	Comparison of in vitro models in a mice model and investigation of the changes in Pb speciation during Pb bioavailability assessments. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 388, 121744	12.8	6
35	Co-pyrolysis of sewage sludge and rice husk/ bamboo sawdust for biochar with high aromaticity and low metal mobility. <i>Environmental Research</i> , <b>2020</b> , 191, 110034	7.9	32
34	Influences of feedstock sources and pyrolysis temperature on the properties of biochar and functionality as adsorbents: A meta-analysis. <i>Science of the Total Environment</i> , <b>2020</b> , 744, 140714	10.2	147
33	Predicting the combined toxicity of binary metal mixtures (Cu-Ni and Zn-Ni) to wheat. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 205, 111334	7	4
32	Assessing the interactions between micropollutants and nanoparticles in engineered and natural aquatic environments. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2020</b> , 50, 135-215	11.1	17
31	Nanobiopesticides: Composition and preparation methods <b>2019</b> , 69-131		8
30	Using 2003-2014 U.S. NHANES data to determine the associations between per- and polyfluoroalkyl substances and cholesterol: Trend and implications. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 173, 461-468	7	30
29	Bioavailability and risk estimation of heavy metal(loid)s in chromated copper arsenate treated timber after remediation for utilisation as garden materials. <i>Chemosphere</i> , <b>2019</b> , 216, 757-765	8.4	7
28	The source of lead determines the relationship between soil properties and lead bioaccessibility. <i>Environmental Pollution</i> , <b>2019</b> , 246, 53-59	9.3	14
27	Soil properties influence kinetics of soil acid phosphatase in response to arsenic toxicity. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 147, 266-274	7	21
26	A Pooled Data Analysis to Determine the Relationship between Selected Metals and Arsenic Bioavailability in Soil. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	6
25	Core-Shell Interface-Oriented Synthesis of Bowl-Structured Hollow Silica Nanospheres Using Self-Assembled ABC Triblock Copolymeric Micelles. <i>Langmuir</i> , <b>2018</b> , 34, 13584-13596	4	8

24	Using Q to evaluate the reasonable As(V) adsorption on soils with different pH. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 160, 308-315	7	5
23	Novel <i>Bacillus cereus</i> strain from electrokinetically remediated saline soil towards the remediation of crude oil. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 26351-26360	5.1	1
22	Issues raised by the reference doses for perfluorooctane sulfonate and perfluorooctanoic acid. <i>Environment International</i> , <b>2017</b> , 105, 86-94	12.9	28
21	Measurement of soil lead bioavailability and influence of soil types and properties: A review. <i>Chemosphere</i> , <b>2017</b> , 184, 27-42	8.4	39
20	Investigating the relationship between lead speciation and bioaccessibility of mining impacted soils and dusts. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 17056-17067	5.1	7
19	Thermal stability of biochar and its effects on cadmium sorption capacity. <i>Bioresource Technology</i> , <b>2017</b> , 246, 48-56	11	44
18	Differences in the response of soil dehydrogenase activity to Cd contamination are determined by the different substrates used for its determination. <i>Chemosphere</i> , <b>2017</b> , 169, 324-332	8.4	36
17	Structural, electrokinetic and surface properties of activated palygorskite for environmental application. <i>Applied Clay Science</i> , <b>2016</b> , 134, 95-102	5.2	44
16	Comparison of oral bioavailability of benzo[a]pyrene in soils using rat and swine and the implications for human health risk assessment. <i>Environment International</i> , <b>2016</b> , 94, 95-102	12.9	16
15	Lead concentration in the blood of the general population living near a lead-zinc mine site, Nigeria: Exposure pathways. <i>Science of the Total Environment</i> , <b>2016</b> , 542, 908-14	10.2	31
14	Competitive sorption of cadmium and zinc in contrasting soils. <i>Geoderma</i> , <b>2016</b> , 268, 60-68	6.7	40
13	Quantifying statistical relationships between commonly used in vitro models for estimating lead bioaccessibility. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 6873-82	5.1	12
12	Nanoencapsulation, Nano-guard for Pesticides: A New Window for Safe Application. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 1447-83	5.7	420
11	Effects of thermal treatments on the characterisation and utilisation of red mud with sawdust additive. <i>Waste Management and Research</i> , <b>2016</b> , 34, 518-26	4	7
10	Emerging contaminants in the environment: Risk-based analysis for better management. <i>Chemosphere</i> , <b>2016</b> , 154, 350-357	8.4	133
9	Using publicly available data, a physiologically-based pharmacokinetic model and Bayesian simulation to improve arsenic non-cancer dose-response. <i>Environment International</i> , <b>2016</b> , 92-93, 239-46	12.9	14
8	A meta-analysis to correlate lead bioavailability and bioaccessibility and predict lead bioavailability. <i>Environment International</i> , <b>2016</b> , 92-93, 139-45	12.9	13
7	Structural evolution of chitosan/palygorskite composites and removal of aqueous lead by composite beads. <i>Applied Surface Science</i> , <b>2015</b> , 353, 363-375	6.7	61

6	Effect of ageing on benzo[a]pyrene extractability in contrasting soils. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 296, 175-184	12.8	32
5	Uncertainties in human health risk assessment of environmental contaminants: A review and perspective. <i>Environment International</i> , <b>2015</b> , 85, 120-32	12.9	77
4	Hidden values in bauxite residue (red mud): recovery of metals. <i>Waste Management</i> , <b>2014</b> , 34, 2662-73	8.6	225
3	Effects of ageing and soil properties on the oral bioavailability of benzo[a]pyrene using a swine model. <i>Environment International</i> , <b>2014</b> , 70, 192-202	12.9	57
2	Surface electrochemical properties of red mud (bauxite residue): zeta potential and surface charge density. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 394, 451-7	9.3	31
1	Red mud as an amendment for pollutants in solid and liquid phases. <i>Geoderma</i> , <b>2011</b> , 163, 1-12	6.7	138