

Yanju Liu

List of Publications by Year in descending order

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59
papers

3,328
citations

185998

28
h-index

149479

56
g-index

59
all docs

59
docs citations

59
times ranked

3862
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoencapsulation, Nano-guard for Pesticides: A New Window for Safe Application. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1447-1483.	2.4	648
2	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> , 2020, 744, 140714.	3.9	313
3	Hidden values in bauxite residue (red mud): Recovery of metals. <i>Waste Management</i> , 2014, 34, 2662-2673.	3.7	303
4	Emerging contaminants in the environment: Risk-based analysis for better management. <i>Chemosphere</i> , 2016, 154, 350-357.	4.2	191
5	Red mud as an amendment for pollutants in solid and liquid phases. <i>Geoderma</i> , 2011, 163, 1-12.	2.3	165
6	Critical review of magnetic biosorbents: Their preparation, application, and regeneration for wastewater treatment. <i>Science of the Total Environment</i> , 2020, 702, 134893.	3.9	122
7	Uncertainties in human health risk assessment of environmental contaminants: A review and perspective. <i>Environment International</i> , 2015, 85, 120-132.	4.8	101
8	Co-pyrolysis of sewage sludge and rice husk/ bamboo sawdust for biochar with high aromaticity and low metal mobility. <i>Environmental Research</i> , 2020, 191, 110034.	3.7	91
9	Structural evolution of chitosan-palygorskite composites and removal of aqueous lead by composite beads. <i>Applied Surface Science</i> , 2015, 353, 363-375.	3.1	85
10	Thermal stability of biochar and its effects on cadmium sorption capacity. <i>Bioresource Technology</i> , 2017, 246, 48-56.	4.8	69
11	Structural, electrokinetic and surface properties of activated palygorskite for environmental application. <i>Applied Clay Science</i> , 2016, 134, 95-102.	2.6	68
12	Effects of ageing and soil properties on the oral bioavailability of benzo[a]pyrene using a swine model. <i>Environment International</i> , 2014, 70, 192-202.	4.8	67
13	Measurement of soil lead bioavailability and influence of soil types and properties: A review. <i>Chemosphere</i> , 2017, 184, 27-42.	4.2	55
14	Differences in the response of soil dehydrogenase activity to Cd contamination are determined by the different substrates used for its determination. <i>Chemosphere</i> , 2017, 169, 324-332.	4.2	54
15	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> , 2019, 173, 461-468.	2.9	54
16	Adsorption of Perfluorooctane sulfonate (PFOS) onto metal oxides modified biochar. <i>Environmental Technology and Innovation</i> , 2020, 19, 100816.	3.0	51
17	Competitive sorption of cadmium and zinc in contrasting soils. <i>Geoderma</i> , 2016, 268, 60-68.	2.3	47
18	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> , 2016, 542, 908-914.	3.9	46

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19	Sustainability and environmental ethics for the application of engineered nanoparticles. <i>Environmental Science and Policy</i> , 2020, 103, 85-98.	2.4	44
20	Magnetic responsive mesoporous alginate/β ² -cyclodextrin polymer beads enhance selectivity and adsorption of heavy metal ions. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 826-840.	3.6	44
21	Surface electrochemical properties of red mud (bauxite residue): Zeta potential and surface charge density. <i>Journal of Colloid and Interface Science</i> , 2013, 394, 451-457.	5.0	41
22	Soil properties influence kinetics of soil acid phosphatase in response to arsenic toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 266-274.	2.9	39
23	Issues raised by the reference doses for perfluorooctane sulfonate and perfluorooctanoic acid. <i>Environment International</i> , 2017, 105, 86-94.	4.8	38
24	Land application of sewage sludge biochar: Assessments of soil-plant-human health risks from potentially toxic metals. <i>Science of the Total Environment</i> , 2021, 756, 144137.	3.9	38
25	Effect of ageing on benzo[a]pyrene extractability in contrasting soils. <i>Journal of Hazardous Materials</i> , 2015, 296, 175-184.	6.5	37
26	Assessing the interactions between micropollutants and nanoparticles in engineered and natural aquatic environments. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 135-215.	6.6	36
27	Hollow Porous Silica Nanosphere with Single Large Pore Opening for Pesticide Loading and Delivery. <i>ACS Applied Nano Materials</i> , 2020, 3, 105-113.	2.4	33
28	The source of lead determines the relationship between soil properties and lead bioaccessibility. <i>Environmental Pollution</i> , 2019, 246, 53-59.	3.7	32
29	Metagenomics analysis identifies nitrogen metabolic pathway in bioremediation of diesel contaminated soil. <i>Chemosphere</i> , 2021, 271, 129566.	4.2	32
30	Facile one pot preparation of magnetic chitosan-palygorskite nanocomposite for efficient removal of lead from water. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 575-587.	5.0	29
31	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> , 2016, 94, 95-102.	4.8	22
32	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> , 2021, 272, 116039.	3.7	22
33	Bacterial community profile of the crude oil-contaminated saline soil in the Yellow River Delta Natural Reserve, China. <i>Chemosphere</i> , 2022, 289, 133207.	4.2	21
34	A meta-analysis to correlate lead bioavailability and bioaccessibility and predict lead bioavailability. <i>Environment International</i> , 2016, 92-93, 139-145.	4.8	20
35	Magnetically separable mesoporous alginate polymer beads assist adequate removal of aqueous methylene blue over broad solution pH. <i>Journal of Cleaner Production</i> , 2021, 319, 128694.	4.6	20
36	The effects of soil properties and co-contaminants on sorption of perfluorooctane sulfonate (PFOS) in contrasting soils. <i>Environmental Technology and Innovation</i> , 2020, 19, 100965.	3.0	19

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37	Mesoporous Biopolymer Architecture Enhanced the Adsorption and Selectivity of Aqueous Heavy-Metal Ions. <i>ACS Omega</i> , 2021, 6, 15316-15331.	1.6	19
38	Immobilization of Cd and Pb in a contaminated acidic soil amended with hydroxyapatite, bentonite, and biochar. <i>Journal of Soils and Sediments</i> , 2021, 21, 2262-2272.	1.5	17
39	Using publicly available data, a physiologically-based pharmacokinetic model and Bayesian simulation to improve arsenic non-cancer dose-response. <i>Environment International</i> , 2016, 92-93, 239-246.	4.8	16
40	Quantifying statistical relationships between commonly used in vitro models for estimating lead bioaccessibility. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6873-6882.	2.7	16
41	Nanobiopesticides: Composition and preparation methods. , 2019, , 69-131.		16
42	Magnetic biochar for removal of perfluorooctane sulphonate (PFOS): Interfacial interaction and adsorption mechanism. <i>Environmental Technology and Innovation</i> , 2022, 28, 102593.	3.0	16
43	Total oxidisable precursor assay towards selective detection of PFAS in AFFF. <i>Journal of Cleaner Production</i> , 2021, 328, 129568.	4.6	15
44	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> , 2020, 388, 121744.	6.5	13
45	Spatial-Temporal Changes and Driving Force Analysis of Green Space in Coastal Cities of Southeast China over the Past 20 Years. <i>Land</i> , 2021, 10, 537.	1.2	12
46	Single and Binary Adsorption Behaviour and Mechanisms of Cd ²⁺ , Cu ²⁺ and Ni ²⁺ onto Modified Biochar in Aqueous Solutions. <i>Processes</i> , 2021, 9, 1829.	1.3	12
47	Effects of thermal treatments on the characterisation and utilisation of red mud with sawdust additive. <i>Waste Management and Research</i> , 2016, 34, 518-526.	2.2	9
48	Core-Shell Interface-Oriented Synthesis of Bowl-Structured Hollow Silica Nanospheres Using Self-Assembled ABC Triblock Copolymeric Micelles. <i>Langmuir</i> , 2018, 34, 13584-13596.	1.6	9
49	Capability of Organically Modified Montmorillonite Nanoclay as a Carrier for Imidacloprid Delivery. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 57-68.	1.0	9
50	Investigating the relationship between lead speciation and bioaccessibility of mining impacted soils and dusts. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17056-17067.	2.7	8
51	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> , 2018, 15, 888.	1.2	8
52	Using Qmsax* to evaluate the reasonable As(V) adsorption on soils with different pH. <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 308-315.	2.9	7
53	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> , 2019, 216, 757-765.	4.2	7
54	Predicting the combined toxicity of binary metal mixtures (Cu-Ni and Zn-Ni) to wheat. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111334.	2.9	6

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55	Novel <i>Bacillus cereus</i> strain from electrokinetically remediated saline soil towards the remediation of crude oil. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26351-26360.	2.7	5
56	Relationship between Soil Fungi and Seedling Density in the Vicinity of Adult Conspecifics in an Arid Desert Forest. <i>Forests</i> , 2021, 12, 92.	0.9	4
57	Using quantitative ion character activity relationship (QICAR) method in evaluation of metal toxicity toward wheat. <i>Ecotoxicology and Environmental Safety</i> , 2021, 221, 112443.	2.9	4
58	Effects of Phosphate, Red Mud, and Biochar on As, Cd, and Cu Immobilization and Enzymatic Activity in a Co-Contaminated Soil. <i>Processes</i> , 2022, 10, 1127.	1.3	2
59	Effects of Modified Biochar on the Mobility and Speciation Distribution of Cadmium in Contaminated Soil. <i>Processes</i> , 2022, 10, 818.	1.3	1