

# Jun Yao

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4784977/jun-yao-publications-by-citations.pdf>

**Version:** 2024-04-27

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.

161  
papers

3,332  
citations

32  
h-index

48  
g-index

165  
ext. papers

4,048  
ext. citations

6.3  
avg, IF

5.5  
L-index

#	Paper	IF	Citations
161	Adsorption of dialkyl phthalate esters on carbon nanotubes. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 6985-91	10.3	129
160	Short-time effect of heavy metals upon microbial community activity. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 173, 510-6	12.8	93
159	The effect of metal oxide nanoparticles on functional bacteria and metabolic profiles in agricultural soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2015</b> , 94, 490-5	2.7	90
158	Effects of petroleum contamination on soil microbial numbers, metabolic activity and urease activity. <i>Chemosphere</i> , <b>2012</b> , 87, 1273-80	8.4	89
157	Dynamic Pore-Scale Dissolution by CO <sub>2</sub> -Saturated Brine in Carbonates: Impact of Homogeneous Versus Fractured Versus Vuggy Pore Structure. <i>Water Resources Research</i> , <b>2020</b> , 56, e2019WR026112	5.4	80
156	An efficient biosurfactant-producing and crude-oil emulsifying bacterium <i>Bacillus methylotrophicus</i> USTBa isolated from petroleum reservoir. <i>Biochemical Engineering Journal</i> , <b>2013</b> , 74, 46-53	4.2	75
155	Green synthesis of fluorescent nitrogen/sulfur-doped carbon dots and investigation of their properties by HPLC coupled with mass spectrometry. <i>RSC Advances</i> , <b>2014</b> , 4, 18065-18073	3.7	73
154	Enhanced performance of immobilized laccase in electrospun fibrous membranes by carbon nanotubes modification and its application for bisphenol A removal from water. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 317, 485-493	12.8	66
153	Decolorization of Methylene Blue with TiO <sub>2</sub> Sol via UV Irradiation Photocatalytic Degradation. <i>International Journal of Photoenergy</i> , <b>2010</b> , 2010, 1-6	2.1	65
152	Stress Sensitivity of Fractured and Vuggy Carbonate: An X-Ray Computed Tomography Analysis. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2019JB018759	3.6	64
151	Study on the toxic effects of diphenol compounds on soil microbial activity by a combination of methods. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 167, 846-51	12.8	62
150	Comparative toxicity of chlorpyrifos and its oxon derivatives to soil microbial activity by combined methods. <i>Chemosphere</i> , <b>2010</b> , 78, 319-26	8.4	61
149	Soil microbial activity measured by microcalorimetry in response to long-term fertilization regimes and available phosphorous on heat evolution. <i>Soil Biology and Biochemistry</i> , <b>2009</b> , 41, 2094-2099	7.5	61
148	Toxicity of three phenolic compounds and their mixtures on the gram-positive bacteria <i>Bacillus subtilis</i> in the aquatic environment. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 1043-9	10.2	58
147	Interaction mechanisms of antibiotic sulfamethoxazole with various graphene-based materials and multiwall carbon nanotubes and the effect of humic acid in water. <i>Carbon</i> , <b>2017</b> , 114, 671-678	10.4	57
146	Sorption of humic acid to functionalized multi-walled carbon nanotubes. <i>Environmental Pollution</i> , <b>2013</b> , 180, 1-6	9.3	56
145	Bioremediation of Cd by strain GZ-22 isolated from mine soil based on biosorption and microbially induced carbonate precipitation. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 372-380	5.1	56

144	Microscopic Determination of Remaining Oil Distribution in Sandstones With Different Permeability Scales Using Computed Tomography Scanning. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>2019</b> , 141,	2.6	55
143	Uranium biosorption from aqueous solution onto Eichhornia crassipes. <i>Journal of Environmental Radioactivity</i> , <b>2016</b> , 154, 43-51	2.4	55
142	Microcalorimetric study the toxic effect of hexavalent chromium on microbial activity of Wuhan brown sandy soil: an in vitro approach. <i>Ecotoxicology and Environmental Safety</i> , <b>2008</b> , 69, 289-95	7	52
141	Leaching behavior of metals from iron tailings under varying pH and low-molecular-weight organic acids. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 383, 121136	12.8	51
140	Characterization of green synthesized nano-formulation (ZnO-A. vera) and their antibacterial activity against pathogens. <i>Environmental Toxicology and Pharmacology</i> , <b>2015</b> , 39, 736-46	5.8	49
139	Effect of natural and synthetic surfactants on crude oil biodegradation by indigenous strains. <i>Ecotoxicology and Environmental Safety</i> , <b>2016</b> , 129, 171-9	7	48
138	Systematic investigation of the toxic mechanism of PFOA and PFOS on bovine serum albumin by spectroscopic and molecular modeling. <i>Chemosphere</i> , <b>2015</b> , 129, 217-24	8.4	44
137	Combined effects of antimony and sodium diethyldithiocarbamate on soil microbial activity and speciation change of heavy metals. Implications for contaminated lands hazardous material pollution in nonferrous metal mining areas. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 349, 160-167	12.8	42
136	Microcalorimetric investigation of the effect of non-ionic surfactant on biodegradation of pyrene by PAH-degrading bacteria Burkholderia cepacia. <i>Ecotoxicology and Environmental Safety</i> , <b>2013</b> , 98, 361-7	7	42
135	A combination method to study microbial communities and activities in zinc contaminated soil. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 169, 875-81	12.8	40
134	Impact of beta-cypermethrin on soil microbial community associated with its bioavailability: a combined study by isothermal microcalorimetry and enzyme assay techniques. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 189, 323-8	12.8	38
133	Evidence for in situ methanogenic oil degradation in the Dagang oil field. <i>Organic Geochemistry</i> , <b>2012</b> , 52, 44-54	3.1	37
132	Isolation and characterization of crude-oil-degrading bacteria from oil-water mixture in Dagang oilfield, China. <i>International Biodeterioration and Biodegradation</i> , <b>2014</b> , 87, 52-59	4.8	35
131	Isolation and characterization of a newly isolated pyrene-degrading Acinetobacter strain USTB-X. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 2724-32	5.1	34
130	Adsorption of naphthalene from aqueous solution onto fatty acid modified walnut shells. <i>Chemosphere</i> , <b>2016</b> , 144, 1639-45	8.4	33
129	Aerobic biodegradation process of petroleum and pathway of main compounds in water flooding well of Dagang oil field. <i>Bioresource Technology</i> , <b>2013</b> , 144, 100-6	11	32
128	Integrating high-throughput sequencing and metagenome analysis to reveal the characteristic and resistance mechanism of microbial community in metal contaminated sediments. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 136116	10.2	32
127	Better understanding of carbon nanoparticles via high-performance liquid chromatography-fluorescence detection and mass spectrometry. <i>Electrophoresis</i> , <b>2014</b> , 35, 2454-62	3.6	31

126	Application of phosphate solubilizing bacteria in immobilization of Pb and Cd in soil. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 21877-21884	5.1	31
125	Bacterial diversity in typical abandoned multi-contaminated nonferrous metal(loid) tailings during natural attenuation. <i>Environmental Pollution</i> , <b>2019</b> , 247, 98-107	9.3	30
124	Cu and Cr enhanced the effect of various carbon nanotubes on microbial communities in an aquatic environment. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 292, 137-45	12.8	26
123	Vanadium contamination and associated health risk of farmland soil near smelters throughout China. <i>Environmental Pollution</i> , <b>2020</b> , 263, 114540	9.3	26
122	Uptake of hexavalent uranium from aqueous solutions using coconut husk activated carbon. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 1749-1755		26
121	Removal of uranium(VI) from aqueous solution by apricot shell activated carbon. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2013</b> , 295, 2029-2034	1.5	26
120	Carbon and hydrogen isotope fractionation of phthalate esters during degradation by sulfate and hydroxyl radicals. <i>Chemical Engineering Journal</i> , <b>2018</b> , 347, 111-118	14.7	25
119	Biodegradation of pyrene by pseudomonas sp. JPN2 and its initial degrading mechanism study by combining the catabolic nahAc gene and structure-based analyses. <i>Chemosphere</i> , <b>2016</b> , 164, 379-386	8.4	25
118	Kinetic and equilibrium study of uranium(VI) adsorption by Bacillus licheniformis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2012</b> , 293, 907-914	1.5	24
117	Environmental behavior and associated plant accumulation of silver nanoparticles in the presence of dissolved humic and fulvic acid. <i>Environmental Pollution</i> , <b>2018</b> , 243, 1334-1342	9.3	24
116	Short-term effect of aniline on soil microbial activity: a combined study by isothermal microcalorimetry, glucose analysis, and enzyme assay techniques. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 674-83	5.1	23
115	Pore-Scale Investigation of Methane Hydrate Dissociation Using the Lattice Boltzmann Method. <i>Water Resources Research</i> , <b>2019</b> , 55, 8422-8444	5.4	22
114	Mutual Effects of Dialkyl Phthalate Esters and Humic Acid Sorption on Carbon Nanotubes in Aqueous Environments. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 1219-1227	8.3	22
113	Compound specific isotope analysis of organophosphorus pesticides. <i>Chemosphere</i> , <b>2014</b> , 111, 458-63	8.4	22
112	Enhanced adsorption and degradation of phenolic pollutants in water by carbon nanotube modified laccase-carrying electrospun fibrous membranes. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 857-868	7.1	21
111	A comparative study on the impact of phthalate esters on soil microbial activity. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2013</b> , 91, 217-23	2.7	21
110	Probing the metabolic water contribution to intracellular water using oxygen isotope ratios of PO <sub>4</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 5862-7	11.5	21
109	Contamination characteristics of organochlorine pesticides in multimatrix sampling of the Hanjiang River Basin, southeast China. <i>Chemosphere</i> , <b>2016</b> , 163, 35-43	8.4	20

108	Investigation of the toxic effect of cadmium on <i>Candida humicola</i> and <i>Bacillus subtilis</i> using a microcalorimetric method. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 159, 465-70	12.8	20
107	Monitoring Soil Microbial Activities in Different Cropping Systems Using Combined Methods. <i>Pedosphere</i> , <b>2017</b> , 27, 138-146	5	19
106	Potentially toxic trace element contamination, sources, and pollution assessment in farmlands, Bijie City, southwestern China. <i>Environmental Monitoring and Assessment</i> , <b>2017</b> , 189, 25	3.1	19
105	Batch study of uranium biosorption by <i>Elodea canadensis</i> biomass. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2016</b> , 310, 505-513	1.5	19
104	Synthesis of a novel nanopesticide and its potential toxic effect on soil microbial activity. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	19
103	Influence of short-time imidacloprid and acetamiprid application on soil microbial metabolic activity and enzymatic activity. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 10129-38	5.1	19
102	Phytotoxicity of Long-Term Total Petroleum Hydrocarbon-Contaminated Soil: A Comparative and Combined Approach. <i>Water, Air, and Soil Pollution</i> , <b>2013</b> , 224, 1	2.6	19
101	Evolution of anisotropic-to-isotropic photoexcited carrier distribution in graphene. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	19
100	A combined approach of physicochemical and biological methods for the characterization of petroleum hydrocarbon-contaminated soil. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 454-63	5.1	18
99	Substrate interactions during biodegradation of benzene/alkylbenzene mixtures by <i>Rhodococcus</i> sp. ustb-1. <i>International Biodeterioration and Biodegradation</i> , <b>2012</b> , 75, 124-130	4.8	18
98	Microcalorimetry and enzyme activity to determine the effect of nickel and sodium butyl xanthate on soil microbial community. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 163, 577-584	7	17
97	Effect of three typical sulfide mineral flotation collectors on soil microbial activity. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 7425-36	5.1	16
96	China's most typical nonferrous organic-metal facilities own specific microbial communities. <i>Scientific Reports</i> , <b>2018</b> , 8, 12570	4.9	16
95	Using response surface methodology to evaluate electrocoagulation in the pretreatment of produced water from polymer-flooding well of Dagang Oilfield with bipolar aluminum electrodes. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 15314-15325		15
94	Biosorption characteristics of <i>Ceratophyllum demersum</i> biomass for removal of uranium(VI) from an aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2017</b> , 313, 19-27	1.5	15
93	Microbial activity and biodiversity responding to contamination of metal(loid) in heterogeneous nonferrous mining and smelting areas. <i>Chemosphere</i> , <b>2019</b> , 226, 659-667	8.4	15
92	Toxic effect of two kinds of mineral collectors on soil microbial richness and activity: analysis by microcalorimetry, microbial count, and enzyme activity assay. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 1565-1577	5.1	15
91	Microcalorimetric measurements of the microbial activities of single- and mixed-species with trivalent iron in soil. <i>Ecotoxicology and Environmental Safety</i> , <b>2009</b> , 72, 128-135	7	15

90	An in vitro microcalorimetric method for studying the toxic effect of cadmium on microbial activity of an agricultural soil. <i>Ecotoxicology</i> , <b>2007</b> , 16, 503-9	2.9	14
89	Isolation and characterization of aniline-degrading <i>Rhodococcus</i> sp. strain AN5. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2007</b> , 42, 2009-16	2.3	14
88	Carbon and hydrogen isotopic fractionation during abiotic hydrolysis and aerobic biodegradation of phthalate esters. <i>Science of the Total Environment</i> , <b>2019</b> , 660, 559-566	10.2	14
87	The mutual influence of speciation and combination of Cu and Pb on the photodegradation of dimethyl o-phthalate. <i>Chemosphere</i> , <b>2016</b> , 165, 80-86	8.4	13
86	Potential toxicity of amphenicol antibiotic: binding of chloramphenicol to human serum albumin. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 11340-8	5.1	13
85	An integrated approach of bioassay and molecular docking to study the dihydroxylation mechanism of pyrene by naphthalene dioxygenase in <i>Rhodococcus</i> sp. ustb-1. <i>Chemosphere</i> , <b>2015</b> , 128, 307-13	8.4	13
84	Effects of oxygen injection on oil biodegradation and biodiversity of reservoir microorganisms in Dagang oil field, China. <i>International Biodeterioration and Biodegradation</i> , <b>2015</b> , 98, 59-65	4.8	13
83	Calorimetric real time monitoring of lambda prophage induction. <i>Journal of Virological Methods</i> , <b>2010</b> , 168, 126-32	2.6	13
82	Isolation of lead-resistant <i>Arthrobacter</i> strain GQ-9 and its biosorption mechanism. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 3527-3538	5.1	13
81	Toxic effects of binary toxicants of cresol frother and Cu (II) on soil microorganisms. <i>International Biodeterioration and Biodegradation</i> , <b>2018</b> , 128, 155-163	4.8	12
80	Kinetics, equilibrium, and thermodynamics investigation on the adsorption of lead(II) by coal-based activated carbon. <i>SpringerPlus</i> , <b>2016</b> , 5, 1160		12
79	Hazelnut shell activated carbon: a potential adsorbent material for the decontamination of uranium(VI) from aqueous solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2016</b> , 310, 1147-1154	1.5	12
78	Removal of uranium from aqueous solution by using activated palm kernel shell carbon: adsorption equilibrium and kinetics. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2014</b> , 301, 695-701	1.5	12
77	Removal of uranium(VI) from aqueous solution using sponge iron. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2013</b> , 298, 955-961	1.5	12
76	Effects of petroleum hydrocarbon contaminated soil on germination, metabolism and early growth of green gram, <i>Vigna radiata</i> L. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2013</b> , 91, 224-30	2.7	12
75	Toxicity of perfluorooctanoic acid to <i>Pseudomonas putida</i> in the aquatic environment. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 262, 726-31	12.8	12
74	A comparative cytotoxicity study of isomeric alkylphthalates to metabolically variant bacteria. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 182, 631-9	12.8	12
73	Stability and removal of selected avobenzene's chlorination products. <i>Chemosphere</i> , <b>2017</b> , 182, 238-244	8.4	11



72	A microcalorimetric method for studying the toxic effect of different diphenol species on the growth of <i>Escherichia coli</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2007</b> , 42, 613-20	2.3	11
71	Lead-induced oxidative stress triggers root cell wall remodeling and increases lead absorption through esterification of cell wall polysaccharide. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 385, 121524	12.8	11
70	Acid-hydrolyzed agricultural residue: A potential adsorbent for the decontamination of naphthalene from water bodies. <i>Korean Journal of Chemical Engineering</i> , <b>2017</b> , 34, 1073-1080	2.8	10
69	Removal of Pb(II) by adsorption onto Chinese walnut shell activated carbon. <i>Water Science and Technology</i> , <b>2015</b> , 72, 983-9	2.2	10
68	Carbon and hydrogen stable isotope analysis for characterizing the chemical degradation of tributyl phosphate. <i>Chemosphere</i> , <b>2018</b> , 212, 133-142	8.4	10
67	Photodegradation of organophosphorus pesticides in honey medium. <i>Ecotoxicology and Environmental Safety</i> , <b>2014</b> , 108, 84-8	7	10
66	Interaction processes of ciprofloxacin with graphene oxide and reduced graphene oxide in the presence of montmorillonite in simulated gastrointestinal fluids. <i>Scientific Reports</i> , <b>2017</b> , 7, 2588	4.9	10
65	A combined approach to evaluate activity and structure of soil microbial community in long-term heavy metals contaminated soils. <i>Environmental Engineering Research</i> , <b>2018</b> , 23, 62-69	3.6	10
64	Response surface methodology approach for the optimisation of adsorption of hydrolysed polyacrylamide from polymer-flooding wastewater onto steel slag: a good option of waste mitigation. <i>Water Science and Technology</i> , <b>2017</b> , 76, 776-784	2.2	9
63	Nano-selenium functionalized zinc oxide nanorods: A superadsorbent for mercury (II) removal from waters. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 392, 122495	12.8	9
62	Fluoranthene degradation and binding mechanism study based on the active-site structure of ring-hydroxylating dioxygenase in <i>Microbacterium paraoxydans</i> JPM1. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 363-371	5.1	9
61	Microbial Toxicity of a Type of Carbon Dots to <i>Escherichia coli</i> . <i>Archives of Environmental Contamination and Toxicology</i> , <b>2015</b> , 69, 506-14	3.2	9
60	Sb(III)-resistance mechanisms of a novel bacterium from non-ferrous metal tailings. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 186, 109773	7	8
59	Functional gene expression of oil-degrading bacteria resistant to hexadecane toxicity. <i>Chemosphere</i> , <b>2013</b> , 93, 1424-9	8.4	8
58	Investigation of the acute toxic effect of chlorpyrifos on <i>Pseudomonas putida</i> in a sterilized soil environment monitored by microcalorimetry. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2010</b> , 58, 587-93	3.2	8
57	Quantitative Statistical Evaluation of Micro Residual Oil after Polymer Flooding Based on X-ray Micro Computed-Tomography Scanning. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 10762-10772	4.1	8
56	Toxic response of the freshwater green algae <i>Chlorella pyrenoidosa</i> to combined effect of flotation reagent butyl xanthate and nickel. <i>Environmental Pollution</i> , <b>2021</b> , 286, 117285	9.3	8
55	Microbial community profiles in soils adjacent to mining and smelting areas: Contrasting potentially toxic metals and co-occurrence patterns. <i>Chemosphere</i> , <b>2021</b> , 282, 130992	8.4	8

54	Toxicity of nickel to soil microbial community with and without the presence of its mineral collectors-a calorimetric approach. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 15134-15147 <sup>5.1</sup>	7
53	Concentration-dependent effect of photoluminescent carbon dots on the microbial activity of the soil studied by combination methods. <i>Environmental Toxicology and Pharmacology</i> , <b>2015</b> , 39, 857-63	5.8 7
52	Accelerated solvent extraction combined with GCMS: A convenient technique for the determination and compound-specific stable isotope analysis of phthalates in mine tailings. <i>Microchemical Journal</i> , <b>2020</b> , 153, 104366	4.8 7
51	Optimization of Lignite Particle Size for Stabilization of Trivalent Chromium in Soils. <i>Soil and Sediment Contamination</i> , <b>2020</b> , 29, 272-291	3.2 7
50	Comprehensive genomic and proteomic profiling reveal <i>Acinetobacter johnsonii</i> JH7 responses to Sb(III) toxicity. <i>Science of the Total Environment</i> , <b>2020</b> , 748, 141174	10.2 7
49	<i>Arundo donax</i> L. stem-derived biochar increases As and Sb toxicities from nonferrous metal mine tailings. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 2433-2443	5.1 7
48	Alteration of mixture toxicity in nonferrous metal mine tailings treated by biochar. <i>Journal of Environmental Management</i> , <b>2020</b> , 265, 110511	7.9 7
47	Uranium biosorption from aqueous solution by the submerged aquatic plant <i>Hydrilla verticillata</i> . <i>Water Science and Technology</i> , <b>2017</b> , 75, 1332-1341	2.2 6
46	Bacterial shifts during in-situ mineralization bio-treatment to non-ferrous metal(loid) tailings. <i>Environmental Pollution</i> , <b>2019</b> , 255, 113165	9.3 6
45	Equilibrium and kinetic studies on adsorption of Pb(II) by activated palm kernel husk carbon. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 7245-7253	6
44	Interaction of diuron to human serum albumin: Insights from spectroscopic and molecular docking studies. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2016</b> , 51, 154-9	2.2 6
43	Preparation of thermoresponsive poly(N-vinylcaprolactam-co-2-methoxyethyl acrylate) nanogels via inverse miniemulsion polymerization. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 48237	2.9 6
42	Polycyclic aromatic hydrocarbons degrading microflora in a tropical oil-production well. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2014</b> , 93, 632-6	2.7 6
41	Effect of pH and Temperature on Adsorption of Dimethyl Phthalate on Carbon Nanotubes in Aqueous Phase. <i>Analytical Letters</i> , <b>2013</b> , 46, 379-393	2.2 6
40	Characterization of Depth-Related Microbial Community Activities in Freshwater Sediment by Combined Method. <i>Geomicrobiology Journal</i> , <b>2011</b> , 28, 328-334	2.5 6
39	Polymer-based TiO <sub>2</sub> nanocomposite membrane: synthesis and organic pollutant removal. <i>International Journal of Smart and Nano Materials</i> , <b>2021</b> , 12, 129-145	3.6 6
38	Flow simulation considering adsorption boundary layer based on digital rock and finite element method. <i>Petroleum Science</i> , <b>2021</b> , 18, 183-194	4.4 6
37	Toxicity evaluation of five polyaromatic hydrocarbons to <i>Escherichia coli</i> using microcalorimetry and QASRs. <i>International Biodeterioration and Biodegradation</i> , <b>2018</b> , 128, 129-133	4.8 5



36	Biodegradation of Phenanthrene by <i>Pseudomonas</i> sp. JPN2 and Structure-Based Degrading Mechanism Study. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2016</b> , 97, 689-694	2.7	5
35	Chemical and Ecotoxicological Assessment of Multiple Heavy Metal-Contaminated Soil Treated by Phosphate Addition. <i>Water, Air, and Soil Pollution</i> , <b>2016</b> , 227, 1	2.6	5
34	Effects of typical flotation reagent on microbial toxicity and nickel bioavailability in soil. <i>Chemosphere</i> , <b>2020</b> , 240, 124913	8.4	5
33	Metagenomic exploration of multi-resistance genes linked to microbial attributes in active nonferrous metal(loid) tailings. <i>Environmental Pollution</i> , <b>2020</b> , 273, 115667	9.3	5
32	Nonferrous metal (loid) s mediate bacterial diversity in an abandoned mine tailing impoundment. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 24806-24818	5.1	4
31	Joint effects of Cd and thioglycolic acid on soil microbial activity. <i>International Biodeterioration and Biodegradation</i> , <b>2018</b> , 128, 164-170	4.8	4
30	Degradation of Nitroso-Naphthol by UVA-B activated peroxide, persulfate and monopersulfate oxidants in water. <i>Journal of Cleaner Production</i> , <b>2019</b> , 238, 117942	10.3	4
29	Investigating <i>Pseudomonas putida</i> - <i>Candida humicola</i> interactions as affected by chelate Fe(III) in soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2014</b> , 92, 358-63	2.7	4
28	Evaluate the heavy metal toxicity to <i>Pseudomonas fluorescens</i> in a low levels of metal-chelates minimal medium. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 9278-86	5.1	4
27	Adsorption of Hg(II) Ions by 3-Mercaptopropyltriethoxysilane Modified Mesoporous Silica Based on Multiwalled Carbon Nanotubes: Equilibrium, Kinetic, and Thermodynamic Studies. <i>Separation Science and Technology</i> , <b>2015</b> , 50, 1344-1352	2.5	4
26	Soil Microbial and Enzyme Properties as Affected by Long-Term Exposure to Phthalate Esters. <i>Advanced Materials Research</i> , <b>2013</b> , 726-731, 3653-3656	0.5	4
25	Simultaneous removal of typical flotation reagent 8-hydroxyquinoline and Cr(VI) through heterogeneous Fenton-like processes mediated by polydopamine functionalized ATP supported nZVI. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 126698	12.8	4
24	Exploring an in situ LED-illuminated isothermal micro-calorimetric method to investigating the thermodynamic behavior of <i>Chlorella vulgaris</i> during CO bio-fixation. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 18519-18527	5.1	3
23	Preparation and photocatalytic properties of TiO <sub>2</sub> film produced via spin coating. <i>International Journal of Materials Research</i> , <b>2010</b> , 101, 1311-1315	0.5	3
22	Study of the Influence of Different Diphenol Compounds on Soil Microbial Activity by Microcalorimetry. <i>Chinese Journal of Chemistry</i> , <b>2009</b> , 27, 2125-2129	4.9	3
21	Preparation of quaternized chitosan/Ag composite nanogels in inverse miniemulsions for durable and antimicrobial cotton fabrics.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 278, 118935	10.3	3
20	Exploring medium-term impact of oxide nanoparticles on soil microbial activity by isothermal microcalorimetry and urease assay. <i>Environmental Progress and Sustainable Energy</i> , <b>2016</b> , 35, 395-403	2.5	3
19	Superior elimination of Cr(VI) using polydopamine functionalized attapulgite supported nZVI composite: Behavior and mechanism. <i>Chemosphere</i> , <b>2022</b> , 287, 131970	8.4	3

18	Metal(loid)s diffusion pathway triggers distinct microbiota responses in key regions of typical karst non-ferrous smelting assembly. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127164	12.8	3
17	Potential of glucose measurement in soil and food sample using low molecular weight O-(2-hydroxyl)propyl-3-trimethylammonium chitosan chloride nanoparticle-glucose oxidase immobilised on a natural fibre membrane. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2014</b> , 94, 1317-1329	1.8	2
16	A combination method to study the effects of petroleum on soil microbial activity. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2013</b> , 90, 34-8	2.7	2
15	Effect of Lead Contamination on Soil Microbial Activity Measured by Microcalorimetry. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 1541-1547	4.9	2
14	A robust biocatalyst based on laccase immobilized superparamagnetic FeO@SiO-NH nanoparticles and its application for degradation of chlorophenols. <i>Chemosphere</i> , <b>2021</b> , 291, 132727	8.4	2
13	Degradation of hydrocarbons by indigenous microbial communities from two adjacent oil production wells in one block. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2016</b> , 38, 3423-3434	1.6	1
12	Investigation of lead(II) biosorption onto <i>Hydrilla verticillata</i> . <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 237, 022020	0.3	1
11	Removal of Flotation Collector -Isopropyl--ethylthionocarbamate from Wastewater. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
10	Biogeography, assembly processes and species coexistence patterns of microbial communities in metalloids-laden soils around mining and smelting sites.. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 425, 127945	12.8	1
9	Relationships between microbial activity, enzyme activities and metal(loid) form in NiCu tailings area.. <i>Science of the Total Environment</i> , <b>2021</b> , 812, 152326	10.2	1
8	Impact of long-term cultivation with crude oil on wetland microbial community shifts and the hydrocarbon degradation potential. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 1-13	1.6	1
7	Compound specific isotope analysis to characterize degradation mechanisms of p-chloroaniline by persulfate at ambient temperature. <i>Chemical Engineering Journal</i> , <b>2021</b> , 419, 129526	14.7	1
6	Model sorption of industrial wastewater containing Cu <sup>2+</sup> , Cd <sup>2+</sup> , and Pb <sup>2+</sup> using individual and mixed rice husk biochar. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 24, 101900	7	1
5	Unraveling ecological risk of As/Sb and other metal(loid)s and fungal community responses in As/Sb smelting-intensive zone: A typical case study of Southwest China. <i>Journal of Cleaner Production</i> , <b>2022</b> , 338, 130525	10.3	0
4	Degradation of novel mineral flotation reagent 8-hydroxyquinoline by superparamagnetic immobilized laccase: Effect, mechanism and toxicity evaluation. <i>Chemical Engineering Journal</i> , <b>2022</b> , 432, 134239	14.7	0
3	Isotope fractionation of diethyl phthalate during oxidation degradation by persulfate activated with zero-valent iron. <i>Chemical Engineering Journal</i> , <b>2021</b> , 132132	14.7	0
2	Comprehensive evaluation of metal(loid)s pollution risk and microbial activity characteristics in non-ferrous metal smelting contaminated site. <i>Journal of Cleaner Production</i> , <b>2022</b> , 344, 130999	10.3	0
1	Bioleaching of copper, zinc and gold from a polymetallic ore flotation concentrate from the Coka Marin deposit (Serbia). <i>Journal of the Serbian Chemical Society</i> , <b>2021</b> , 16-16	0.9	

