

Mingxue Liu

List of Publications by Year in descending order

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34
papers

536
citations

687363

13
h-index

677142

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34
times ranked

458
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosorption of uranium by <i>Saccharomyces cerevisiae</i> and surface interactions under culture conditions. <i>Bioresource Technology</i> , 2010, 101, 8573-8580.	9.6	84
2	Simultaneous removal and recovery of uranium from aqueous solution using TiO ₂ photoelectrochemical reduction method. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 313, 59-67.	1.5	47
3	Microscopic and Spectroscopic Insights into Uranium Phosphate Mineral Precipitated by <i>Bacillus Mucilaginosus</i> . <i>ACS Earth and Space Chemistry</i> , 2017, 1, 483-492.	2.7	38
4	Biosorption of Strontium from Simulated Nuclear Wastewater by <i>Scenedesmus spinosus</i> under Culture Conditions: Adsorption and Bioaccumulation Processes and Models. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 6099-6118.	2.6	33
5	Kinetics and pH-dependent uranium bioprecipitation by <i>Shewanella putrefaciens</i> under aerobic conditions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 531-541.	1.5	30
6	Uranium Binding on <i>Landoltia punctata</i> as a Result of Formation of Insoluble Nano-U (VI) and U (IV) Phosphate Minerals. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1494-1502.	6.7	29
7	Preparation and characterization of chitosan/pullulan film loading carvacrol for targeted antibacterial packaging of chilled meat. <i>International Journal of Biological Macromolecules</i> , 2022, 211, 140-149.	7.5	28
8	Subcellular distribution of uranium in the roots of <i>Spirodela punctata</i> and surface interactions. <i>Applied Surface Science</i> , 2015, 347, 122-130.	6.1	26
9	Efficient extraction of U(VI) from uranium enrichment process wastewater by amine-aminophosphonate-modified polyacrylonitrile fibers. <i>Science of the Total Environment</i> , 2022, 831, 154743.	8.0	24
10	Programmed gradient descent biosorption of strontium ions by <i>Saccharomyces cerevisiae</i> and ashing analysis: A decrement solution for nuclide and heavy metal disposal. <i>Journal of Hazardous Materials</i> , 2016, 314, 295-303.	12.4	21
11	Contribution of surface functional groups and interface interaction to biosorption of strontium ions by <i>Saccharomyces cerevisiae</i> under culture conditions. <i>RSC Advances</i> , 2017, 7, 50880-50888.	3.6	20
12	Spectroscopic evidence and molecular simulation investigation of the bonding interaction between lysine and montmorillonite: Implications for the distribution of soil organic nitrogen. <i>Applied Clay Science</i> , 2018, 159, 3-9.	5.2	18
13	Characteristics and mechanism of uranium photocatalytic removal enhanced by chelating hole scavenger citric acid in a TiO ₂ suspension system. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 147-158.	1.5	16
14	Microbially Mediated Stable Uranium Phosphate Nano-Biominerals. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 6771-6780.	0.9	14
15	Improving photoelectrochemical reduction of Cr(VI) ions by building $\text{Fe}^{2+}/\text{Fe}^{3+}/\text{TiO}_2$ electrode. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22455-22463.	5.3	13
16	Removal of uranium by biogenetic jarosite coupled with photoinduced reduction in the presence of oxalic acid: a low-cost remediation technology. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 324, 715-729.	1.5	12
17	Metabolic Influence of Psychrophilic Diatoms on Travertines at the Huanglong Natural Scenic District of China. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 13084-13096.	2.6	11
18	Nano-Scale Spatial Assessment of Calcium Distribution in Coccolithophores Using Synchrotron-Based Nano-CT and STXM-NEXAFS. <i>International Journal of Molecular Sciences</i> , 2014, 15, 23604-23615.	4.1	9

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19	Synergistic interface behavior of strontium adsorption using mixed microorganisms. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22368-22377.	5.3	9
20	Effects of riboflavin and AQS as electron shuttles on U(VI) reduction and precipitation by <i>Shewanella putrefaciens</i> . <i>RSC Advances</i> , 2018, 8, 30692-30700.	3.6	9
21	A high-efficiency photocatalyst, flaky anatase@natural rutile composite using one-step microwave hydrothermal synthesis. <i>Research on Chemical Intermediates</i> , 2018, 44, 705-720.	2.7	8
22	Nanobiocatalyst consisting of immobilized α -amylase on montmorillonite exhibiting enhanced enzymatic performance based on the allosteric effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112290.	5.0	8
23	Synergistic effects of electron shuttle AQS and <i>Alcaligenes faecalis</i> on photocatalytic removal of U(VI). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 731-742.	1.5	6
24	Design and construction of copper-containing organophyllosilicates as laccase-mimicking nanozyme for efficient removal of phenolic pollutants. <i>Journal of Materials Science</i> , 2022, 57, 10084-10099.	3.7	6
25	Interface interaction between high-siliceous/calcareous mineral granules and model cell membranes dominated by electrostatic force. <i>Environmental Science and Pollution Research</i> , 2021, 28, 27432-27445.	5.3	4
26	Meta-analysis of experimental warming on soil invertase and urease activities. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2018, 68, 104-109.	0.6	3
27	The interaction between citronellol and bovine serum albumin: Spectroscopic, computational and thermal imaging studies. <i>Journal of Molecular Structure</i> , 2021, 1251, 131986.	3.6	3
28	Adsorption and Mechanism of Glycine on the Anatase with Exposed (001) and (101) Facets. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 798.	2.0	3
29	Bonding Behavior and Mechanism of U(VI) by Chemically Modified <i>Deinococcus radiodurans</i> . <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1108.	2.0	2
30	Histone-like Protein HCcp3-induced Liquid Crystalline DNA Condensation. <i>Chemistry Letters</i> , 2012, 41, 874-876.	1.3	1
31	Insights into the Nonclassical Crystallization of M(II) in the Biomineralization Process. <i>ACS Symposium Series</i> , 2020, , 259-293.	0.5	1
32	Notice of Retraction: The Biosorption of Strontium by Immobilized <i>Saccharomyces cerevisiae</i> Cells under Culture Conditions. , 2011, , .		0
33	Effects and mechanism of riboflavin on the growth of <i>Alcaligenes faecalis</i> under bias conditions. <i>RSC Advances</i> , 2019, 9, 22957-22965.	3.6	0
34	Transformation of radionuclide occurrence state in uranium and strontium recycling by <i>Saccharomyces cerevisiae</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 0, , .	1.5	0