

Ning Liu

List of Publications by Year in descending order

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65
papers

1,597
citations

304743

22
h-index

315739

38
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66
all docs

66
docs citations

66
times ranked

1415
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergence of Uranium as a Distinct Metal Center for Building Intrinsic X-ray Scintillators. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7883-7887.	13.8	198
2	Microorganism-derived carbon microspheres for uranium removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2016, 284, 630-639.	12.7	115
3	Schiff base anchored on metal-organic framework for Co (II) removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2017, 326, 691-699.	12.7	105
4	Pillar[5]arene-based phosphine oxides: novel ionophores for solvent extraction separation of f-block elements from acidic media. <i>RSC Advances</i> , 2013, 3, 12376.	3.6	101
5	A novel ion-imprinted polymer induced by the glycyglycine modified metal-organic framework for the selective removal of Co(II) from aqueous solutions. <i>Chemical Engineering Journal</i> , 2018, 333, 280-288.	12.7	80
6	Glycine derivative-functionalized metal-organic framework (MOF) materials for Co(II) removal from aqueous solution. <i>Applied Surface Science</i> , 2019, 466, 903-910.	6.1	54
7	Competition/Cooperation between Humic Acid and Graphene Oxide in Uranyl Adsorption Implicated by Molecular Dynamics Simulations. <i>Environmental Science & Technology</i> , 2019, 53, 5102-5110.	10.0	53
8	Highly efficient extraction of actinides with pillar[5]arene-derived diglycolamides in ionic liquids via a unique mechanism involving competitive host-guest interactions. <i>Dalton Transactions</i> , 2016, 45, 19299-19310.	3.3	49
9	Biosorption of americium-241 by <i>Saccharomyces cerevisiae</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2002, 252, 187-191.	1.5	46
10	Interaction between uranium and humic acid (I): Adsorption behaviors of U(VI) in soil humic acids. <i>Nuclear Science and Techniques/Hewuli</i> , 2007, 18, 287-293.	3.4	39
11	Understanding the Effect of pH on the Solubility and Aggregation Extent of Humic Acid in Solution by Combining Simulation and the Experiment. <i>Environmental Science & Technology</i> , 2022, 56, 917-927.	10.0	35
12	Dynamics of Humic Acid and Its Interaction with Uranyl in the Presence of Hydrophobic Surface Implicated by Molecular Dynamics Simulations. <i>Environmental Science & Technology</i> , 2016, 50, 11121-11128.	10.0	34
13	Shape-persistent macrocycles: efficient extraction towards lanthanide and actinide elements. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012, 72, 367-373.	1.6	33
14	Pillar[5]arenes bearing phosphine oxide pendants as Hg ²⁺ selective receptors. <i>Talanta</i> , 2014, 125, 322-328.	5.5	33
15	A novel activated sludge-graphene oxide composites for the removal of uranium(VI) from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2018, 271, 786-794.	4.9	31
16	Synthesis and Preliminary Evaluation of ¹³¹ I-Labeled FAPI Tracers for Cancer Theranostics. <i>Molecular Pharmaceutics</i> , 2021, 18, 4179-4187.	4.6	31
17	A novel freeze-dried natural microalga powder for highly efficient removal of uranium from wastewater. <i>Chemosphere</i> , 2021, 282, 131084.	8.2	31
18	Releasing Metal-Coordination Capacity of Cucurbit[6]uril Macrocycle in Pseudorotaxane Ligands for the Construction of Interwoven Uranyl-Rotaxane Coordination Polymers. <i>Inorganic Chemistry</i> , 2018, 57, 13513-13523.	4.0	29

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19	Solvent extraction of thorium(^{IV}) and rare earth elements with novel polyamide extractant containing preorganized chelating groups. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1930-1936.	3.2	28
20	Uranyl Compounds Involving a Weakly Bonded Pseudorotaxane Linker: Combined Effect of pH and Competing Ligands on Uranyl Coordination and Speciation. <i>Inorganic Chemistry</i> , 2019, 58, 3271-3282.	4.0	27
21	Removal of Co(II) from aqueous solution with Zr-based magnetic metal-organic framework composite. <i>Inorganica Chimica Acta</i> , 2018, 483, 488-495.	2.4	26
22	CMPO-calix[4]arenes with spacer containing intramolecular hydrogen bonding: Effect of local rigidification on solvent extraction toward f-block elements. <i>Journal of Hazardous Materials</i> , 2014, 264, 211-218.	12.4	25
23	Flexible surface-supported MOF membrane via a convenient approach for efficient iodine adsorption. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 324, 1167-1177.	1.5	20
24	Functionalized hydrothermal carbon derived from waste pomelo peel as solid-phase extractant for the removal of uranyl from aqueous solution. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22321-22331.	5.3	19
25	Astatine-211 labeling of protein using TCP as a bi-functional linker: synthesis and preliminary evaluation in vivo and in vitro. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 71-77.	1.5	17
26	The dynamic behavior and mechanism of uranium (VI) biomineralization in <i>Enterobacter</i> sp. X57. <i>Chemosphere</i> , 2022, 298, 134196.	8.2	17
27	Facile fabrication of a novel melamine derivative-doped UiO-66 composite for enhanced Co(II) removal from aqueous solution. <i>Journal of Molecular Liquids</i> , 2021, 328, 115484.	4.9	16
28	In vitro and in vivo evaluation of ²¹¹ At-labeled fibroblast activation protein inhibitor for glioma treatment. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 55, 116600.	3.0	16
29	Recent progress of astatine-211 in endoradiotherapy: Great advances from fundamental properties to targeted radiopharmaceuticals. <i>Chinese Chemical Letters</i> , 2022, 33, 3325-3338.	9.0	16
30	Biosorption of ²⁴¹ Am by <i>Rhizopus arrhizus</i> : preliminary investigation and evaluation. <i>Applied Radiation and Isotopes</i> , 2002, 57, 139-143.	1.5	15
31	One-step labelling of a novel small-molecule peptide with astatine-211: preliminary evaluation in vitro and in vivo. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 451-456.	1.5	14
32	Removal of Co(II) from Aqueous Solutions by Pyridine Schiff Base-Functionalized Zirconium-Based MOFs: A Combined Experimental and DFT Study on the Effect of <i>ortho</i> -, <i>meta</i> -, and <i>para</i> -Substitution. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 749-760.	1.9	14
33	Biosorption of ²⁴¹ Am by immobilized <i>Saccharomyces cerevisiae</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2003, 258, 59-63.	1.5	13
34	Removal of Co(II) from aqueous solution with functionalized metal-organic frameworks (MOFs) composite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 827-838.	1.5	13
35	Quantitative analysis of hydrogen isotopes gas mixtures by cryogenic chromatography using low loading MOFs as stationary phase. <i>Microporous and Mesoporous Materials</i> , 2021, 312, 110812.	4.4	13
36	Improving the adsorption ability of graphene sheets to uranium through chemical oxidation, electrolysis and ball-milling. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 1095-1102.	1.5	12

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37	Kinked-Helix Actinide Polyrotaxanes from Weakly Bound Pseudorotaxane Linkers with Variable Conformations. <i>Inorganic Chemistry</i> , 2020, 59, 4058-4067.	4.0	12
38	A review of the alpha radiolysis of extractants for actinide lanthanide separation in spent nuclear fuel reprocessing. <i>Radiochimica Acta</i> , 2021, 109, 603-623.	1.2	12
39	Astatine-211 labeling of insulin: Synthesis and preliminary evaluation in vivo and in vitro. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 272, 85-90.	1.5	11
40	The removal of uranium(VI) from aqueous solution by graphene oxide-carbon nanotubes hybrid aerogels. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 303, 1835.	1.5	11
41	Adsorption behavior of U(VI) on doped polyaniline: the effects of carbonate and its complexes. <i>Radiochimica Acta</i> , 2018, 106, 437-452.	1.2	10
42	Efficient removal of Co(II) from aqueous solution by flexible metal-organic framework membranes. <i>Journal of Molecular Liquids</i> , 2021, 324, 114718.	4.9	10
43	Temperature-triggered Structural Dynamics of Non-coordinating Guest Moieties in a Fluorescent Actinide Polyrotaxane Framework. <i>Chemistry - A European Journal</i> , 2021, 27, 8730-8736.	3.3	10
44	Synthesis and characterization of waste commercially available polyacrylonitrile fiber-based new composites for efficient removal of uranyl from U(VI)-CO ₃ solutions. <i>Science of the Total Environment</i> , 2022, 822, 153507.	8.0	10
45	Efficient removal of Co(II) from aqueous solution by titanate sodium nanotubes. <i>Nuclear Science and Techniques/Hewuli</i> , 2016, 27, 1.	3.4	9
46	Novel MOFs-based ion-imprinted polymer for selective separation of cobalt ions from waste battery leaching solution. <i>Inorganica Chimica Acta</i> , 2022, 536, 120922.	2.4	9
47	Title is missing!. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2001, 247, 129-133.	1.5	8
48	PET imaging of VEGFR and integrins in glioma tumor xenografts using ⁸⁹ Zr labelled heterodimeric peptide. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 59, 116677.	3.0	8
49	Indium-111 labeled bleomycin for targeting diagnosis and therapy of liver tumor: optimized preparation, biodistribution and SPECT imaging with xenograft models. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 545-551.	1.5	6
50	Proximity Effect in Uranyl Coordination of the Cucurbit[6]uril-Bipyridinium Pseudorotaxane Ligand for Promoting Host-Guest Synergistic Chelating. <i>Inorganic Chemistry</i> , 2021, 60, 10522-10534.	4.0	6
51	In Vitro Anticancer Ability of Nano Fluorescent ¹¹¹ In-MIL-68/PEG-FA on Hela Cells. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	6
52	Fabrication and Helium Irradiation of Potassium-Doped Tungsten. <i>Fusion Science and Technology</i> , 2014, 66, 278-282.	1.1	5
53	An Insight into Adaptive Deformation of Rigid Cucurbit[6]uril Host in Symmetric [2]Pseudorotaxanes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4426-4430.	2.4	5
54	Construction and Preclinical Evaluation of ²¹¹ At Labeled Anti-mesothelin Antibodies as Potential Targeted Alpha Therapy Drugs. <i>Journal of Radiation Research</i> , 2020, 61, 684-690.	1.6	5

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55	Preliminary in vitro comparison of ¹¹¹ In and ¹³¹ I labeled nimotuzumabs. Journal of Radioanalytical and Nuclear Chemistry, 2021, 328, 527-537.	1.5	5
56	Simple and efficient method for producing high radionuclidic purity ¹¹¹ In using enriched ¹¹² Cd target. Applied Radiation and Isotopes, 2021, 176, 109828.	1.5	5
57	Astatine-211 labelled a small molecule peptide: specific cell killing <i>in vitro</i> and targeted therapy in a nude-mouse model. Radiochimica Acta, 2021, 109, 119-126.	1.2	5
58	Effects of helium on titanium films and the helium diffusion. Science Bulletin, 2008, 53, 469-472.	1.7	4
59	A self-assembled supramolecular organic material for selective extraction of uranium from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 289-300.	1.5	3
60	Synthesis of Extraction Resin Containing N,N,N',N'-Tetraisobutyl Diglycolamide and its Application for Separation of Sr(II) from Rb(I). Separation Science and Technology, 2009, 44, 2526-2540.	2.5	2
61	Evaluation of U(VI) adsorption from Ca ²⁺ coexisted bicarbonate solution by synthetic inorganic and mineral materials. Radiochimica Acta, 2020, 108, 955-965.	1.2	2
62	Effect of heating on hydrogen retention in C-SiC coatings. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 658-661.	1.0	0
63	Highly selective extraction of Pd(II) with 5-octyloxymethyl-7-bromo-8-quinolinol from acidic solution. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 59-67.	1.5	0
64	Impact of the proximity effect on uranyl coordination of conformationally variable weakly-bonded cucurbit[6]uril-bipyridinium pseudorotaxane. CrystEngComm, 2022, 24, 1955-1965.	2.6	0
65	A novel theranostic probe [¹¹¹ In]In-DO3A-NHS-nimotuzumab in glioma xenograft. Radiochimica Acta, 2022, .	1.2	0