Kui Liu

List of Publications by Year
in descending order

199 papers	8,752 citations	53794 45 h-index	54911 84 g-index
202 all docs	202 docs citations	202 times ranked	5400 citing authors

#	Article	IF	Citations
1	Uranium(VI) adsorption on graphene oxide nanosheets from aqueous solutions. Chemical Engineering Journal, 2012, 210, 539-546.	12.7	402
2	Introduction of amino groups into acid-resistant MOFs for enhanced U(<scp>vi</scp>) sorption. Journal of Materials Chemistry A, 2015, 3, 525-534.	10.3	378
3	Enhanced Photocatalytic Removal of Uranium(VI) from Aqueous Solution by Magnetic TiO₂/Fe₃O₄ and Its Graphene Composite. Environmental Science & Technology, 2017, 51, 5666-5674.	10.0	292
4	Interaction mechanism of uranium(VI) with three-dimensional graphene oxide-chitosan composite: Insights from batch experiments, IR, XPS, and EXAFS spectroscopy. Chemical Engineering Journal, 2017, 328, 1066-1074.	12.7	266
5	Synthesis of novel nanomaterials and their application in efficient removal of radionuclides. Science China Chemistry, 2019, 62, 933-967.	8.2	256
6	Efficient U(VI) Reduction and Sequestration by Ti₂CT_x MXene. Environmental Science & Technology, 2018, 52, 10748-10756.	10.0	253
7	Efficient removal of uranium from aqueous solution by zero-valent iron nanoparticle and its graphene composite. Journal of Hazardous Materials, 2015, 290, 26-33.	12.4	231
8	Loading Actinides in Multilayered Structures for Nuclear Waste Treatment: The First Case Study of Uranium Capture with Vanadium Carbide MXene. ACS Applied Materials & Interfaces, 2016, 8, 16396-16403.	8.0	214
9	Rational control of the interlayer space inside two-dimensional titanium carbides for highly efficient uranium removal and imprisonment. Chemical Communications, 2017, 53, 12084-12087.	4.1	198
10	U(VI) capture from aqueous solution by highly porous and stable MOFs: UiO-66 and its amine derivative. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 269-276.	1.5	176
11	Photocatalytic reduction of uranium(VI) by magnetic ZnFe2O4 under visible light. Applied Catalysis B: Environmental, 2020, 267, 118688.	20.2	170
12	Defect engineering in metalâ€“organic frameworks: a new strategy to develop applicable actinide sorbents. Chemical Communications, 2018, 54, 370-373.	4.1	167
13	Effective removal of U(VI) and Eu(III) by carboxyl functionalized MXene nanosheets. Journal of Hazardous Materials, 2020, 396, 122731.	12.4	166
14	Effective Removal of Anionic Re(VII) by Surface-Modified Ti₂CT_x MXene Nanocomposites: Implications for Tc(VII) Sequestration. Environmental Science & Technology, 2019, 53, 3739-3747.	10.0	163
15	Efficient thorium(IV) removal by two-dimensional Ti2CTx MXene from aqueous solution. Chemical Engineering Journal, 2019, 366, 192-199.	12.7	163
16	Extending the Use of Highly Porous and Functionalized MOFs to Th(IV) Capture. ACS Applied Materials & Interfaces, 2017, 9, 25216-25224.	8.0	158
17	A novel mesoporous material for uranium extraction, dihydroimidazole functionalized SBA-15. Journal of Materials Chemistry, 2012, 22, 17019.	6.7	128
18	Nanolayered Ti₃C₂ and SrTiO₃ Composites for Photocatalytic Reduction and Removal of Uranium(VI). ACS Applied Nano Materials, 2019, 2, 2283-2294.	5.0	119

#	Article	IF	Citations
19	Adsorption of uranyl species on hydroxylated titanium carbide nanosheet: A first-principles study. Journal of Hazardous Materials, 2016, 308, 402-410.	12.4	115
20	Introduction of Bifunctional Groups into Mesoporous Silica for Enhancing Uptake of Thorium(IV) from Aqueous Solution. ACS Applied Materials & Interfaces, 2014, 6, 4786-4796.	8.0	113
21	Different Interaction Mechanisms of Eu(III) and ²⁴³Am(III) with Carbon Nanotubes Studied by Batch, Spectroscopy Technique and Theoretical Calculation. Environmental Science & Technology, 2015, 49, 11721-11728.	10.0	113
22	Understanding the Bonding Nature of Uranyl Ion and Functionalized Graphene: A Theoretical Study. Journal of Physical Chemistry A, 2014, 118, 2149-2158.	2.5	96
23	Simultaneous elimination of cationic uranium(<scp>vi</scp>) and anionic rhenium(<scp>vii</scp>) by graphene oxideâ€“poly(ethyleneimine) macrostructures: a batch, XPS, EXAFS, and DFT combined study. Environmental Science: Nano, 2018, 5, 2077-2087.	4.3	95
24	Highly efficient adsorption and immobilization of U(VI) from aqueous solution by alkalized MXene-supported nanoscale zero-valent iron. Journal of Hazardous Materials, 2021, 408, 124949.	12.4	95
25	Sorption of Eu(III) on MXene-derived titanate structures: The effect of nano-confined space. Chemical Engineering Journal, 2019, 370, 1200-1209.	12.7	91
26	Exploring Actinide Materials Through Synchrotron Radiation Techniques. Advanced Materials, 2014, 26, 7807-7848.	21.0	89
27	Anion-adaptive crystalline cationic material for 99TcO4â^' trapping. Nature Communications, 2019, 10, 1532.	12.8	87
28	Evaluation of the Electroextractions of Ce and Nd from LiCl-KCl Molten Salt Using Liquid Ga Electrode. Journal of the Electrochemical Society, 2017, 164, D169-D178.	2.9	76
29	Density Functional Theory Studies of UO₂²⁺ and NpO₂⁺ Complexes with Carbamoylmethylphosphine Oxide Ligands. Inorganic Chemistry, 2013, 52, 196-203.	4.0	73
30	Solarâ€Driven Nitrogen Fixation Catalyzed by Stable Radicalâ€Containing MOFs: Improved Efficiency Induced by a Structural Transformation. Angewandte Chemie - International Edition, 2020, 59, 20666-20671.	13.8	71
31	Large-Pore 3D Cubic Mesoporous (KIT-6) Hybrid Bearing a Hardâ€“Soft Donor Combined Ligand for Enhancing U(VI) Capture: An Experimental and Theoretical Investigation. ACS Applied Materials & Interfaces, 2017, 9, 3774-3784.	8.0	70
32	Electrochemical extraction of samarium from LiCl-KCl melt by forming Sm-Zn alloys. Electrochimica Acta, 2014, 120, 369-378.	5.2	67
33	Electrochemical Properties of Uranium on the Liquid Gallium Electrode in LiCl-KCl Eutectic. Journal of the Electrochemical Society, 2016, 163, D554-D561.	2.9	65
34	Photocatalytic reduction of uranium(VI) under visible light with 2D/1D Ti3C2/CdS. Chemical Engineering Journal, 2021, 420, 129831.	12.7	64
35	Electrochemical behaviors of Dy(III) and its co-reduction with Al(III) in molten LiCl-KCl salts. Electrochimica Acta, 2014, 147, 87-95.	5.2	62
36	Solventâ€Dependent Synthesis of Porous Anionic Uranylâ€“Organic Frameworks Featuring a Highly Symmetrical (3,4)â€Connected ctn or bor Topology for Selective Dye Adsorption. Chemistry - A European Journal, 2017, 23, 529-532.	3.3	57

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37	Interactions between Th(<scp>iv</scp>) and graphene oxide: experimental and density functional theoretical investigations. RSC Advances, 2014, 4, 3340-3347.	3.6	56
38	Novel Viologen Derivative Based Uranyl Coordination Polymers Featuring Photochromic Behaviors. Chemistry - A European Journal, 2017, 23, 18074-18083.	3.3	56
39	Actinide Separation Inspired by Self-Assembled Metalâ€“Polyphenolic Nanocages. Journal of the American Chemical Society, 2020, 142, 16538-16545.	13.7	56
40	Quantitative imaging of element spatial distribution in the brain section of a mouse model of Alzheimer's disease using synchrotron radiation X-ray fluorescence analysis. Journal of Analytical Atomic Spectrometry, 2010, 25, 328-333.	3.0	54
41	Electroextraction of gadolinium from Gd2O3 in LiClâ€“KClâ€“AlCl3 molten salts. Electrochimica Acta, 2013, 109, 732-740.	5.2	51
42	Adsorption of Eu(III) and Th(IV) on three-dimensional graphene-based macrostructure studied by spectroscopic investigation. Environmental Pollution, 2019, 248, 82-89.	7.5	51
43	Solvent extraction of U(VI) by trioctylphosphine oxide using a room-temperature ionic liquid. Science China Chemistry, 2014, 57, 1432-1438.	8.2	48
44	Theoretical Insights into Preorganized Pyridylpyrazole-Based Ligands toward the Separation of Am(III)/Eu(III). Inorganic Chemistry, 2018, 57, 14810-14820.	4.0	48
45	Theoretical Insights into the Selective Extraction of Americium(III) over Europium(III) with Dithioamide-Based Ligands. Inorganic Chemistry, 2019, 58, 10047-10056.	4.0	48
46	Rational Construction of Porous Metalâ€“Organic Frameworks for Uranium(VI) Extraction: The Strong Periodic Tendency with a Metal Node. ACS Applied Materials & Interfaces, 2020, 12, 14087-14094.	8.0	48
47	Thermodynamic Study on the Complexation of Am(III) and Eu(III) with Tetradentate Nitrogen Ligands: A Probe of Complex Species and Reactions in Aqueous Solution. Journal of Physical Chemistry A, 2012, 116, 504-511.	2.5	46
48	New insights into the selectivity of four 1,10-phenanthroline-derived ligands toward the separation of trivalent actinides and lanthanides: a DFT based comparison study. Dalton Transactions, 2016, 45, 8107-8117.	3.3	46
49	Electrochemical behavior of La(III) on the zinc-coated W electrode in LiCl-KCl eutectic. Electrochimica Acta, 2015, 168, 206-215.	5.2	45
50	Silver Ion-Mediated Heterometallic Three-Fold Interpenetrating Uranylâ€“Organic Framework. Inorganic Chemistry, 2015, 54, 10934-10945.	4.0	44
51	Electrochemical and thermodynamic properties of Nd (III)/Nd (0) couple at liquid Zn electrode in LiCl-KCl melt. Electrochimica Acta, 2016, 191, 1026-1036.	5.2	44
52	Layered structure-based materials: challenges and opportunities for radionuclide sequestration. Environmental Science: Nano, 2020, 7, 724-752.	4.3	44
53	Electrochemical Extraction of Cerium by Forming Ce-Zn Alloys in LiCl-KCl Eutectic on W and Liquid Zn Electrodes. Journal of the Electrochemical Society, 2015, 162, E179-E184.	2.9	43
54	Coordination of Eu(III) with 1,10-Phenanthroline-2,9-dicarboxamide Derivatives: A Combined Study by MS, TRLIF, and DFT. Inorganic Chemistry, 2019, 58, 10239-10247.	4.0	41

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55	Potassium Ions Induced Framework Interpenetration for Enhancing the Stability of Uranium-Based Porphyrin MOF with Visible-Light-Driven Photocatalytic Activity. Inorganic Chemistry, 2021, 60, 651-659.	4.0	40
56	Direct separation of uranium from lanthanides (La, Nd, Ce, Sm) in oxide mixture in LiCl-KCl eutectic melt. Electrochimica Acta, 2018, 275, 100-109.	5.2	39
57	Molecular Springâ€like Tripleâ€Helix Coordination Polymers as Dualâ€Stress and Thermally Responsive Crystalline Metalâ€“Organic Materials. Angewandte Chemie - International Edition, 2020, 59, 16061-16068.	13.8	39
58	A facile additive-free method for tunable fabrication of UO2 and U3O8 nanoparticles in aqueous solution. CrystEngComm, 2014, 16, 2645.	2.6	38
59	New Three-Fold Interpenetrated Uranyl Organic Framework Constructed by Terephthalic Acid and Imidazole Derivative. Inorganic Chemistry, 2015, 54, 3829-3834.	4.0	37
60	Electrochemical and Thermodynamic Properties of Uranium on the Liquid Bismuth Electrode in LiCl-KCl Eutectic. Journal of the Electrochemical Society, 2018, 165, D722-D730.	2.9	37
61	Actinideâ€Based Porphyrinic MOF as a Dehydrogenation Catalyst. Chemistry - A European Journal, 2018, 24, 16766-16769.	3.3	37
62	Structural Diversity of Bipyridinium-Based Uranyl Coordination Polymers: Synthesis, Characterization, and Ion-Exchange Application. Inorganic Chemistry, 2019, 58, 14075-14084.	4.0	37
63	In-situ anodic precipitation process for highly efficient separation of aluminum alloys. Nature Communications, 2021, 12, 5777.	12.8	36
64	Electroextraction of samarium from Sm2O3 in chloride melts. Electrochimica Acta, 2014, 129, 401-409.	5.2	35
65	A Quasi-relativistic Density Functional Theory Study of the Actinyl(VI, V) (An = U, Np, Pu) Complexes with a Six-Membered Macrocycle Containing Pyrrole, Pyridine, and Furan Subunits. Journal of Physical Chemistry A, 2015, 119, 9178-9188.	2.5	35
66	Metallomics: An integrated science for metals in biology and medicine. Annual Reports on the Progress of Chemistry Section A, 2010, 106, 20.	0.8	34
67	Hydrophilic Sulfonated 2,9-Diamide-1,10-phenanthroline Endowed with a Highly Effective Ligand for Separation of Americium(III) from Europium(III): Extraction, Spectroscopy, and Density Functional Theory Calculations. Inorganic Chemistry, 2021, 60, 357-365.	4.0	34
68	Electroseparation of thorium from ThO2 and La2O3 by forming Th-Al alloys in LiCl-KCl eutectic. Electrochimica Acta, 2015, 158, 277-286.	5.2	33
69	Supramolecular Hostâ€“Guest Inclusion for Distinguishing Cucurbit[7]urilâ€Based Pseudorotaxanes from Smallâ€Molecule Ligands in Coordination Assembly with a Uranyl Center. Chemistry - A European Journal, 2017, 23, 13995-14003.	3.3	33
70	Bimetallic Uranyl Organic Frameworks Supported by Transition-Metal-Ion-Based Metalloligand Motifs: Synthesis, Structure Diversity, and Luminescence Properties. Inorganic Chemistry, 2018, 57, 6084-6094.	4.0	33
71	Theoretical insights into selective separation of trivalent actinide and lanthanide by ester and amide ligands based on phenanthroline skeleton. Dalton Transactions, 2020, 49, 4093-4099.	3.3	33
72	Electrochemical extraction of cerium from CeO2 assisted by AlCl3 in molten LiCl-KCl. Electrochimica Acta, 2014, 147, 385-391.	5.2	32

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73	Insight into the Extraction Mechanism of Americium(III) over Europium(III) with Pyridylpyrazole: A Relativistic Quantum Chemistry Study. Journal of Physical Chemistry A, 2018, 122, 4499-4507.	2.5	32
74	Efficient Photocatalytic Reduction of Aqueous Perrhenate and Pertechnetate. Environmental Science & Technology, 2019, 53, 10917-10925.	10.0	32
75	Size-tunable synthesis of monodisperse thorium dioxide nanoparticles and their performance on the adsorption of dye molecules. CrystEngComm, 2014, 16, 10469-10475.	2.6	31
76	Electrochemical formation of erbium-aluminum alloys from erbia in the chloride melts. Electrochimica Acta, 2014, 116, 434-441.	5.2	31
77	Extraction of thorium from LiClâ€“KCl molten salts by forming Alâ€“Th alloys: a new pyrochemical method for the reprocessing of thorium-based spent fuels. RSC Advances, 2013, 3, 23539.	3.6	29
78	Thermodynamic and electrochemical properties of holmium and HoxAly intermetallic compounds in the LiCl-KCl eutectic. Electrochimica Acta, 2015, 174, 15-25.	5.2	29
79	Electrochemical Properties of Lanthanum on the Liquid Gallium Electrode in LiCl-KCl Eutectic. Journal of the Electrochemical Society, 2016, 163, D750-D756.	2.9	29
80	Semirigid Tripodal Ligand Based Uranyl Coordination Polymer Isomers Featuring 2D Honeycomb Nets. Inorganic Chemistry, 2018, 57, 4492-4501.	4.0	29
81	Releasing Metal-Coordination Capacity of Cucurbit[6]uril Macrocycle in Pseudorotaxane Ligands for the Construction of Interwoven Uranylâ€“Rotaxane Coordination Polymers. Inorganic Chemistry, 2018, 57, 13513-13523.	4.0	29
82	Electrochemical separation of Th from ThO2 and Eu2O3 assisted by AlCl3 in molten LiClâ€“KCl. Electrochimica Acta, 2013, 114, 180-188.	5.2	28
83	Theoretical Prediction of the Potential Applications of Phenanthroline Derivatives in Separation of Transplutonium Elements. Inorganic Chemistry, 2020, 59, 11469-11480.	4.0	28
84	Strong Periodic Tendency of Trivalent Lanthanides Coordinated with a Phenanthroline-Based Ligand: Cascade Countercurrent Extraction, Spectroscopy, and Crystallography. Inorganic Chemistry, 2021, 60, 9745-9756.	4.0	28
85	Tetranuclear Uranyl Polyrotaxanes: Preferred Selectivity toward Uranyl Tetramer for Stabilizing a Flexible Polyrotaxane Chain Exhibiting Weakened Supramolecular Inclusion. Chemistry - A European Journal, 2015, 21, 10226-10235.	3.3	27
86	Rapid Determination of Uranium in Water Samples by Adsorptive Cathodic Stripping Voltammetry Using a Tin-Bismuth Alloy Electrode. Electrochimica Acta, 2015, 174, 925-932.	5.2	27
87	Diffusion Coefficient of Ho3+at Liquid zinc Electrode and Co-reduction Behaviors of Ho3+ and Zn2+ on W Electrode in the LiCl-KCl Eutectic. Electrochimica Acta, 2016, 211, 313-321.	5.2	27
88	Uranyl Compounds Involving a Weakly Bonded Pseudorotaxane Linker: Combined Effect of pH and Competing Ligands on Uranyl Coordination and Speciation. Inorganic Chemistry, 2019, 58, 3271-3282.	4.0	27
89	Electrochemical reactions of the Th4+/Th couple on the tungsten, aluminum and bismuth electrodes in chloride molten salt. Electrochimica Acta, 2014, 130, 650-659.	5.2	26
90	Electrochemical and Thermodynamic Properties of Pr on the Liquid Bi Electrode in LiCl-KCl Eutectic Melt. Journal of the Electrochemical Society, 2018, 165, D452-D460.	2.9	26

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91	Electroreduction of Gd3+on W and Zn Electrodes in LiClâ€“KCl Eutectic: A Comparison Study. Journal of the Electrochemical Society, 2015, 162, D531-D539.	2.9	25
92	Mixed-Ligand Uranyl Polyrotaxanes Incorporating a Sulfate/Oxalate Coligand: Achieving Structural Diversity via pH-Dependent Competitive Effect. Inorganic Chemistry, 2017, 56, 3227-3237.	4.0	25
93	Co-reduction behaviors of Ce (III), Al (III) and Ga (III) on a W electrode: An exploration for liquid binary Al-Ga cathode. Electrochimica Acta, 2019, 319, 869-877.	5.2	25
94	Analysis of mercury-containing protein fractions in brain cytosol of the maternal and infant rats after exposure to a low-dose of methylmercury by SEC coupled to isotope dilution ICP-MS. Journal of Analytical Atomic Spectrometry, 2008, 23, 1112.	3.0	23
95	Copper/Zinc-Directed Heterometallic Uranyl-Organic Polycatenating Frameworks: Synthesis, Characterization, and Anion-Dependent Structural Regulation. Inorganic Chemistry, 2016, 55, 10125-10134.	4.0	23
96	Theoretical Insights into Modification of Nitrogen-Donor Ligands to Improve Performance on Am(III)/Eu(III) Separation. Inorganic Chemistry, 2020, 59, 3221-3231.	4.0	23
97	First principles modeling of zirconium solution in bulk UO2. Journal of Applied Physics, 2013, 113, .	2.5	22
98	Bipyridine-Directed Syntheses of Uranyl Compounds Containing Semirigid Dicarboxylate Linkers: Diversity and Consistency in Uranyl Speciation. Inorganic Chemistry, 2019, 58, 6934-6945.	4.0	22
99	First-principles DFT+U modeling of defect behaviors in anti-ferromagnetic uranium mononitride. Journal of Applied Physics, 2013, 114, .	2.5	21
100	Solvent extraction of uranium(VI) by aÂdipicolinamide using aÂroom-temperature ionic liquid. Radiochimica Acta, 2014, 102, 87-92.	1.2	21
101	Stepwise ortho Chlorination of Carboxyl Groups for Promoting Structure Variance of Heterometallic Uranylâ€“Silver Coordination Polymers of Isonicotinate. Inorganic Chemistry, 2018, 57, 4673-4685.	4.0	21
102	A neptunium(<scp>v</scp>)-mediated interwoven transuranium-rotaxane network incorporating a mechanically interlocked [c2]daisy chain unit. Chemical Communications, 2018, 54, 8645-8648.	4.1	21
103	Templateâ€Free Synthesis and Mechanistic Study of Porous Threeâ€Dimensional Hierarchical Uraniumâ€Containing and Uranium Oxide Microspheres. Chemistry - A European Journal, 2014, 20, 12655-12662.	3.3	20
104	Easily prepared and stable functionalized magnetic ordered mesoporous silica for efficient uranium extraction. Science China Chemistry, 2016, 59, 629-636.	8.2	20
105	Electrochemical behavior of praseodymium on the W and Alâ€“Zn electrodes in LiClâ€“KCl eutectic: A comparison study. Electrochimica Acta, 2019, 326, 134971.	5.2	20
106	A new family of actinide sorbents with more open porous structure: Fibrous functionalized silica microspheres. Chemical Engineering Journal, 2020, 385, 123892.	12.7	20
107	Quantification of proteins using lanthanide labeling and HPLC/ICP-MS detection. Journal of Analytical Atomic Spectrometry, 2011, 26, 1233.	3.0	19
108	Synthesis of ThO₂nanostructures through a hydrothermal approach: influence of hexamethylenetetramine (HMTA) and sodium dodecyl sulfate (SDS). RSC Advances, 2014, 4, 52209-52214.	3.6	19

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109	Complexation of vanadium with amidoxime and carboxyl groups: uncovering the competitive role of vanadium in uranium extraction from seawater. Radiochimica Acta, 2017, 105, 541-553.	1.2	19
110	Raman and Electrochemical Study of Zirconium in LiCl-KCl-LiF-ZrCl₄. Journal of the Electrochemical Society, 2018, 165, D6-D12.	2.9	19
111	A particularly simple NH4Cl-based method for the dissolution of UO2 and rare earth oxides in LiCl-KCl melt under air atmosphere. Journal of Nuclear Materials, 2018, 508, 63-73.	2.7	19
112	Confirmation and elimination of cyclic electrolysis of uranium ions in molten salts. Electrochemistry Communications, 2019, 103, 55-60.	4.7	19
113	In situnitroso formation induced structural diversity of uranyl coordination polymers. Inorganic Chemistry Frontiers, 2019, 6, 775-785.	6.0	19
114	Controllable photomechanical bending of metal-organic rotaxane crystals facilitated by regioselective confined-space photodimerization. Nature Communications, 2022, 13, 2030.	12.8	19
115	Two Three-Dimensional Actinide-Silver Heterometallic Coordination Polymers Based on 2,2â€²-Bipyridine-3,3â€²-dicarboxylic Acid with Helical Chains Containing Dimeric or Trimeric Motifs. European Journal of Inorganic Chemistry, 2017, 2017, 1472-1477.	2.0	18
116	Uranyl-Organic Coordination Compounds Incorporating Photoactive Vinylpyridine Moieties: Synthesis, Structural Characterization, and Light-Induced Fluorescence Attenuation. Inorganic Chemistry, 2018, 57, 14772-14785.	4.0	18
117	Electrochemical behavior of Th(IV) on the bismuth electrode in LiClâ€“KCl eutectic. Journal of Nuclear Materials, 2019, 523, 268-275.	2.7	18
118	Kinetic Properties and Electrochemical Separation of Uranium on Liquid Bismuth Electrode in LiClâ€“KCl Melt. Journal of the Electrochemical Society, 2021, 168, 032503.	2.9	18
119	An Azobenzene-Modified Photoresponsive Thoriumâ€“Organic Framework: Monitoring and Quantitative Analysis of Reversible transâ€“cis Photoisomerization. Inorganic Chemistry, 2021, 60, 8519-8529.	4.0	18
120	Theoretical Insights into the Selective Separation of Am(III)/Eu(III) Using Hydrophilic Triazolyl-Based Ligands. Inorganic Chemistry, 2022, 61, 6110-6119.	4.0	18
121	A density functional theory study of complex species and reactions of Am(III)/Eu(III) with nitrate anions. Molecular Simulation, 2014, 40, 379-386.	2.0	17
122	Condition dependence of Zr electrochemical reactions and morphological evolution of Zr deposits in molten salt. Science China Chemistry, 2017, 60, 264-274.	8.2	17
123	The Application of Low-Melting LiCl-KCl-CsCl Eutectic to Electrodeposit Uranium Metal. Journal of the Electrochemical Society, 2019, 166, D606-D616.	2.9	17
124	Selective Separation and Coordination of Europium(III) and Americium(III) by Bisdiglycolamide Ligands: Solvent Extraction, Spectroscopy, and DFT Calculations. Inorganic Chemistry, 2020, 59, 14218-14228.	4.0	17
125	Two novel uranyl complexes of a semi-rigid aromatic tetracarboxylic acid supported by an organic base as an auxiliary ligand or a templating agent: an experimental and theoretical exploration. CrystEngComm, 2015, 17, 3031-3040.	2.6	16
126	Separation of actinides from lanthanides associated with spent nuclear fuel reprocessing in China: current status and future perspectives. Radiochimica Acta, 2019, 107, 951-964.	1.2	16

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127	The influence of Fâ˜ ion on the electrochemical behavior and coordination properties of uranium in LiCl-KCl molten salt. Electrochimica Acta, 2022, 404, 139573.	5.2	16
128	Encapsulation of Polymetallic Oxygen Clusters in a Mesoporous/Microporous Thorium-Based Porphyrin Metalâ€“Organic Framework for Enhanced Photocatalytic CO₂ Reduction. Inorganic Chemistry, 2022, 61, 3368-3373.	4.0	16
129	Theoretical insight into the binding affinity enhancement of serine with the uranyl ion through phosphorylation. RSC Advances, 2016, 6, 69773-69781.	3.6	15
130	An Unprecedented Twoâ€Fold Nested Superâ€Polyrotaxane: Sulfateâ€Directed Hierarchical Polythreading Assembly of Uranyl Polyrotaxane Moieties. Chemistry - A European Journal, 2016, 22, 11329-11338.	3.3	15
131	Direct Electrochemical Preparation of Ni-Zr Alloy from Mixture Oxides in LiCl Molten Salt. Journal of the Electrochemical Society, 2017, 164, D888-D894.	2.9	15
132	Uranium Dendritic Morphology in the Electrorefining: Influences of Temperature and Current Density. Journal of the Electrochemical Society, 2018, 165, D98-D106.	2.9	15
133	Preparation of Î³-Uranium-Molybdenum Alloys by Electrochemical Reduction of Solid Oxides in LiCl Molten Salt. Journal of the Electrochemical Society, 2019, 166, D276-D282.	2.9	15
134	Hierarchical and self-supporting honeycomb LaNi5 alloy on nickel foam for overall water splitting in alkaline media. Green Energy and Environment, 2022, 7, 799-806.	8.7	15
135	Theoretical Probing of Size-Selective Crown Ether Macrocycle Ligands for Transplutonium Element Separation. Inorganic Chemistry, 2022, 61, 4404-4413.	4.0	15
136	Uranium chemical species in LiCl-KCl eutectic under different conditions for the dissolution of U3O8. Journal of Nuclear Materials, 2020, 542, 152475.	2.7	14
137	Theoretical Insights into Transplutonium Element Separation with Electronically Modulated Phenanthroline-Derived Bis-Triazine Ligands. Inorganic Chemistry, 2021, 60, 10267-10279.	4.0	14
138	The dendrite growth, morphology control and deposition properties of uranium electrorefining. Journal of Nuclear Materials, 2021, 555, 153110.	2.7	14
139	Electronic structures and bonding of the actinide halides An(TRENTIPS)X (An = Thâ€“Pu; X = Fâ€“I): a theoretical perspective. Dalton Transactions, 2020, 49, 15895-15902.	3.3	13
140	Rational Design of a Tripodal Ligand for U(IV): Synthesis and Characterization of a Uâ€“Cl Species and Insights into Its Reactivity. Organometallics, 2020, 39, 4069-4077.	2.3	13
141	Enhancing the Am³⁺/Cm³⁺separation ability by weakening the binding affinity of N donor atoms: a comparative theoretical study of N, O combined extractants. Dalton Transactions, 2021, 50, 3559-3567.	3.3	13
142	Theoretical Insights into the Separation of Am(III)/Eu(III) by Hydrophilic Sulfonated Ligands. Inorganic Chemistry, 2021, 60, 16409-16419.	4.0	13
143	Metalâ€Carboxyl Helical Chain Secondary Units Supported Ionâ€Exchangeable Anionic Uranylâ€“Organic Framework. Chemistry - A European Journal, 2019, 25, 10309-10313.	3.3	12
144	Coordination behavior of uranyl with PDAM derivatives in solution: Combined study with ESI-MS and DFT. Journal of Molecular Liquids, 2020, 300, 112287.	4.9	12

#	Article	IF	Citations
145	Kinked-Helix Actinide Polyrotaxanes from Weakly Bound Pseudorotaxane Linkers with Variable Conformations. Inorganic Chemistry, 2020, 59, 4058-4067.	4.0	12
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