

# Kui Liu

## List of Publications by Year in descending order

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199  
papers

8,752  
citations

53794

45  
h-index

54911

84  
g-index

202  
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202  
docs citations

202  
times ranked

5400  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical and self-supporting honeycomb LaNi <sub>5</sub> alloy on nickel foam for overall water splitting in alkaline media. <i>Green Energy and Environment</i> , 2022, 7, 799-806.	8.7	15
2	Two-dimensional transition metal carbide/nitride (MXene)-based nanomaterials for removal of toxic/radioactive metal ions from wastewater. , 2022, , 161-194.		0
3	The influence of F <sup>-</sup> ion on the electrochemical behavior and coordination properties of uranium in LiCl-KCl molten salt. <i>Electrochimica Acta</i> , 2022, 404, 139573.	5.2	16
4	Theoretical Insights on Improving Amidoxime Selectivity for Potential Uranium Extraction from Seawater. <i>Journal of Physical Chemistry A</i> , 2022, 126, 406-415.	2.5	11
5	Mechano-electrochemical phase field modeling for formation and modulation of dendritic Pattern: Application to uranium recovery from spent nuclear fuel. <i>Materials and Design</i> , 2022, 213, 110322.	7.0	10
6	Coordination-Adaptive Polydentate Pseudorotaxane Ligand for Capturing Multiple Uranyl Species. <i>Inorganic Chemistry</i> , 2022, , .	4.0	5
7	Encapsulation of Polymetallic Oxygen Clusters in a Mesoporous/Microporous Thorium-Based Porphyrin Metal-Organic Framework for Enhanced Photocatalytic CO <sub>2</sub> Reduction. <i>Inorganic Chemistry</i> , 2022, 61, 3368-3373.	4.0	16
8	Theoretical Probing of Size-Selective Crown Ether Macrocyclic Ligands for Transplutonium Element Separation. <i>Inorganic Chemistry</i> , 2022, 61, 4404-4413.	4.0	15
9	Professor Zhifang Chai: Scientific Contributions and Achievements. <i>Chinese Chemical Letters</i> , 2022, , .	9.0	0
10	Mixed-Ligand Uranyl Squarate Coordination Polymers: Structure Regulation and Redox Activity. <i>Inorganic Chemistry</i> , 2022, 61, 302-316.	4.0	2
11	Chemical Species Transformation during the Dissolution Process of U <sub>3</sub> O <sub>8</sub> and UO <sub>3</sub> in the LiCl-KCl-AlCl <sub>3</sub> Molten Salt. <i>Inorganic Chemistry</i> , 2022, 61, 6519-6529.	4.0	9
12	Theoretical Insights into the Selective Separation of Am(III)/Eu(III) Using Hydrophilic Triazolyl-Based Ligands. <i>Inorganic Chemistry</i> , 2022, 61, 6110-6119.	4.0	18
13	Controllable photomechanical bending of metal-organic rotaxane crystals facilitated by regioselective confined-space photodimerization. <i>Nature Communications</i> , 2022, 13, 2030.	12.8	19
14	Theoretical insights into the reduction mechanism of neptunyl nitrate by hydrazine derivatives. <i>Radiochimica Acta</i> , 2022, 110, 471-480.	1.2	1
15	Electrochemical Behaviour and Chemical Species of Sm(II) in AlCl <sub>3</sub> -NaCl with Different Lewis Acidity. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	3
16	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. <i>Inorganic Chemistry</i> , 2021, 60, 357-365.	4.0	34
17	Coordination-driven assembly of actinide-organic polyrotaxanes involving crown ether macrocycles. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3686-3694.	4.5	2
18	Liquid Electrodes for An/Ln Separation in Pyroprocessing. <i>Journal of the Electrochemical Society</i> , 2021, 168, 032507.	2.9	7

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19	Kinetic Properties and Electrochemical Separation of Uranium on Liquid Bismuth Electrode in LiCl-KCl Melt. <i>Journal of the Electrochemical Society</i> , 2021, 168, 032503.	2.9	18
20	Highly efficient adsorption and immobilization of U(VI) from aqueous solution by alkalized MXene-supported nanoscale zero-valent iron. <i>Journal of Hazardous Materials</i> , 2021, 408, 124949.	12.4	95
21	Theoretical Insights into the Actinide-Silicon Bonding Nature and Stability of a Series of Actinide Complexes with Different Oxidation States. <i>Organometallics</i> , 2021, 40, 1719-1727.	2.3	5
22	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
23	Strong Periodic Tendency of Trivalent Lanthanides Coordinated with a Phenanthroline-Based Ligand: Cascade Countercurrent Extraction, Spectroscopy, and Crystallography. <i>Inorganic Chemistry</i> , 2021, 60, 9745-9756.	4.0	28
24	An Azobenzene-Modified Photoresponsive Thorium-Organic Framework: Monitoring and Quantitative Analysis of Reversible <i>cis-trans</i> Photoisomerization. <i>Inorganic Chemistry</i> , 2021, 60, 8519-8529.	4.0	18
25	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
26	Theoretical Insights into the Reduction Mechanism of Np(VI) with Phenylhydrazine. <i>Journal of Physical Chemistry A</i> , 2021, 125, 6180-6188.	2.5	5
27	Theoretical Insights into Transplutonium Element Separation with Electronically Modulated Phenanthroline-Derived Bis-Triazine Ligands. <i>Inorganic Chemistry</i> , 2021, 60, 10267-10279.	4.0	14
28	Double-Layer Nitrogen-Rich Two-Dimensional Anionic Uranyl-Organic Framework for Cation Dye Capture and Catalytic Fixation of Carbon Dioxide. <i>Inorganic Chemistry</i> , 2021, 60, 11485-11495.	4.0	12
29	Ultrahigh Affinity and Selectivity Nanotraps for Uranium Extraction from Seawater. <i>ACS Central Science</i> , 2021, 7, 1602-1604.	11.3	9
30	Photocatalytic reduction of uranium(VI) under visible light with 2D/1D Ti3C2/CdS. <i>Chemical Engineering Journal</i> , 2021, 420, 129831.	12.7	64
31	In-situ anodic precipitation process for highly efficient separation of aluminum alloys. <i>Nature Communications</i> , 2021, 12, 5777.	12.8	36
32	The dendrite growth, morphology control and deposition properties of uranium electrorefining. <i>Journal of Nuclear Materials</i> , 2021, 555, 153110.	2.7	14
33	Enhancing the Am <sup>3+</sup> /Cm <sup>3+</sup> separation ability by weakening the binding affinity of N donor atoms: a comparative theoretical study of N, O combined extractants. <i>Dalton Transactions</i> , 2021, 50, 3559-3567.	3.3	13
34	High-Temperature Synthesis of a Uranyl Peroxo Complex Facilitated by Hydrothermally In Situ Formed Organic Peroxide. <i>Inorganic Chemistry</i> , 2021, 60, 2133-2137.	4.0	5
35	Potassium Ions Induced Framework Interpenetration for Enhancing the Stability of Uranium-Based Porphyrin MOF with Visible-Light-Driven Photocatalytic Activity. <i>Inorganic Chemistry</i> , 2021, 60, 651-659.	4.0	40
36	Theoretical insights into the possible applications of amidoxime-based adsorbents in neptunium and plutonium separation. <i>Dalton Transactions</i> , 2021, 50, 15576-15584.	3.3	5

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37	Theoretical Insights into the Separation of Am(III)/Eu(III) by Hydrophilic Sulfonated Ligands. <i>Inorganic Chemistry</i> , 2021, 60, 16409-16419.	4.0	13
38	Theoretical probing of twenty-coordinate actinide-centered boron molecular drums. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26967-26973.	2.8	8
39	Viologen-Based Uranyl Coordination Polymers: Anion-Induced Structural Diversity and the Potential as a Fluorescent Probe. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 5077-5084.	2.0	8
40	Recent Progress on Chemical Species of Uranium in Molten Chlorides. <i>Acta Chimica Sinica</i> , 2021, 79, 1425.	1.4	2
41	Initial Nucleation and Growth Morphology of Uranium Electrodeposited in LiCl-KCl Eutectic. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 715-715.	0.0	0
42	A new family of actinide sorbents with more open porous structure: Fibrous functionalized silica microspheres. <i>Chemical Engineering Journal</i> , 2020, 385, 123892.	12.7	20
43	Noncomplexed Cucurbituril-Mediated Structural Evolution of Layered Uranyl Terephthalate Compounds. <i>Inorganic Chemistry</i> , 2020, 59, 943-955.	4.0	8
44	Coordination behavior of uranyl with PDAM derivatives in solution: Combined study with ESI-MS and DFT. <i>Journal of Molecular Liquids</i> , 2020, 300, 112287.	4.9	12
45	Quantum chemical studies of selective back-extraction of Am(III) from Eu(III) and Cm(III) with two hydrophilic 1,10-phenanthroline-2,9-bis-triazolyl ligands. <i>Radiochimica Acta</i> , 2020, 108, 517-526.	1.2	11
46	Electronic structures and bonding of the actinide halides An(TRENTIPS)X (An = Th, Pu; X = F, Cl): a theoretical perspective. <i>Dalton Transactions</i> , 2020, 49, 15895-15902.	3.3	13
47	Uranium chemical species in LiCl-KCl eutectic under different conditions for the dissolution of U <sub>3</sub> O <sub>8</sub> . <i>Journal of Nuclear Materials</i> , 2020, 542, 152475.	2.7	14
48	A New Preorganized Metalloligand Linker for the Construction of Luminescent Coordination Polymers. <i>Crystal Growth and Design</i> , 2020, 20, 6966-6972.	3.0	9
49	Theoretical Prediction of the Potential Applications of Phenanthroline Derivatives in Separation of Transplutonium Elements. <i>Inorganic Chemistry</i> , 2020, 59, 11469-11480.	4.0	28
50	Solar-Driven Nitrogen Fixation Catalyzed by Stable Radical-Containing MOFs: Improved Efficiency Induced by a Structural Transformation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20666-20671.	13.8	71
51	Actinide Separation Inspired by Self-Assembled Metal-Polyphenolic Nanocages. <i>Journal of the American Chemical Society</i> , 2020, 142, 16538-16545.	13.7	56
52	Selective Separation and Coordination of Europium(III) and Americium(III) by Bisdiglycolamide Ligands: Solvent Extraction, Spectroscopy, and DFT Calculations. <i>Inorganic Chemistry</i> , 2020, 59, 14218-14228.	4.0	17
53	Determination of diffusion coefficients of uranium in liquid gallium by GITT. <i>Journal of Electroanalytical Chemistry</i> , 2020, 879, 114711.	3.8	4
54	Rational Design of a Tripodal Ligand for U(IV): Synthesis and Characterization of a U-Cl Species and Insights into Its Reactivity. <i>Organometallics</i> , 2020, 39, 4069-4077.	2.3	13

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55	Kinked-Helix Actinide Polyrotaxanes from Weakly Bound Pseudorotaxane Linkers with Variable Conformations. <i>Inorganic Chemistry</i> , 2020, 59, 4058-4067.	4.0	12
56	Facile visualization of the initial nucleation and growth of an active metal electrodeposited in a high temperature molten salt using a detachable disk electrode. <i>Electrochemistry Communications</i> , 2020, 117, 106780.	4.7	3
57	A simple and effective separation of UO <sub>2</sub> and Ln <sub>2</sub> O <sub>3</sub> assisted by NH <sub>4</sub> Cl in LiCl-KCl eutectic. <i>Journal of Nuclear Materials</i> , 2020, 532, 152049.	2.7	11
58	Theoretical insights into selective separation of trivalent actinide and lanthanide by ester and amide ligands based on phenanthroline skeleton. <i>Dalton Transactions</i> , 2020, 49, 4093-4099.	3.3	33
59	Rational Construction of Porous Metal-Organic Frameworks for Uranium(VI) Extraction: The Strong Periodic Tendency with a Metal Node. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14087-14094.	8.0	48
60	Layered structure-based materials: challenges and opportunities for radionuclide sequestration. <i>Environmental Science: Nano</i> , 2020, 7, 724-752.	4.3	44
61	Theoretical Insights into Modification of Nitrogen-Donor Ligands to Improve Performance on Am(III)/Eu(III) Separation. <i>Inorganic Chemistry</i> , 2020, 59, 3221-3231.	4.0	23
62	Photocatalytic reduction of uranium(VI) by magnetic ZnFe <sub>2</sub> O <sub>4</sub> under visible light. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118688.	20.2	170
63	Theoretical Study on the Reduction Mechanism of Np(VI) by Hydrazine Derivatives. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3720-3729.	2.5	6
64	Effective removal of U(VI) and Eu(III) by carboxyl functionalized MXene nanosheets. <i>Journal of Hazardous Materials</i> , 2020, 396, 122731.	12.4	166
65	Molecular Spring-like Triple-Helix Coordination Polymers as Dual-Stress and Thermally Responsive Crystalline Metal-Organic Materials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16061-16068.	13.8	39
66	Electrochemical Properties and Nucleation Morphology of Yttrium on Tungsten Substrate in Molten Salt. <i>Journal of the Electrochemical Society</i> , 2020, 167, 112508.	2.9	4
67	Electrochemical Deposition of Erbium on a Binary Al-Zn Cathode. <i>Journal of the Electrochemical Society</i> , 2019, 166, D569-D576.	2.9	9
68	Efficient Photocatalytic Reduction of Aqueous Perrhenate and Pertechnetate. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10917-10925.	10.0	32
69	Interactions of phosphorylated cyclohexapeptides with uranyl: insights from experiments and theoretical calculations. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 677-689.	1.5	3
70	Coordination of Eu(III) with 1,10-Phenanthroline-2,9-dicarboxamide Derivatives: A Combined Study by MS, TRLIF, and DFT. <i>Inorganic Chemistry</i> , 2019, 58, 10239-10247.	4.0	41
71	Electrochemical behavior of Th(IV) on the bismuth electrode in LiCl-KCl eutectic. <i>Journal of Nuclear Materials</i> , 2019, 523, 268-275.	2.7	18
72	Co-reduction behaviors of Ce (III), Al (III) and Ga (III) on a W electrode: An exploration for liquid binary Al-Ga cathode. <i>Electrochimica Acta</i> , 2019, 319, 869-877.	5.2	25

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73	Theoretical Insights into the Selective Extraction of Americium(III) over Europium(III) with Dithioamide-Based Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 10047-10056.	4.0	48
74	Theoretical insights on the complexation of Am(III) and Cm(III) with amide-type ligands. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 993-1002.	1.5	11
75	Electrochemical behavior of praseodymium on the W and Al-Zn electrodes in LiCl-KCl eutectic: A comparison study. <i>Electrochimica Acta</i> , 2019, 326, 134971.	5.2	20
76	The Application of Low-Melting LiCl-KCl-CsCl Eutectic to Electrodeposit Uranium Metal. <i>Journal of the Electrochemical Society</i> , 2019, 166, D606-D616.	2.9	17
77	Separation of actinides from lanthanides associated with spent nuclear fuel reprocessing in China: current status and future perspectives. <i>Radiochimica Acta</i> , 2019, 107, 951-964.	1.2	16
78	Structural Diversity of Bipyridinium-Based Uranyl Coordination Polymers: Synthesis, Characterization, and Ion-Exchange Application. <i>Inorganic Chemistry</i> , 2019, 58, 14075-14084.	4.0	37
79	Thermodynamic properties of praseodymium on the liquid cadmium electrode and evaluation of anodic dissolution behavior in LiCl-KCl eutectic. <i>Journal of Nuclear Materials</i> , 2019, 523, 16-25.	2.7	11
80	Modification of a Carbon Nanobelt with Actinides Th-Am: A Density Functional Theory Study. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4900-4907.	2.5	3
81	Synthesis of novel nanomaterials and their application in efficient removal of radionuclides. <i>Science China Chemistry</i> , 2019, 62, 933-967.	8.2	256
82	Metal-Carboxyl Helical Chain Secondary Units Supported Ion-Exchangeable Anionic Uranyl-Organic Framework. <i>Chemistry - A European Journal</i> , 2019, 25, 10309-10313.	3.3	12
83	Confirmation and elimination of cyclic electrolysis of uranium ions in molten salts. <i>Electrochemistry Communications</i> , 2019, 103, 55-60.	4.7	19
84	Preparation of <sup>137</sup> Uranium-Molybdenum Alloys by Electrochemical Reduction of Solid Oxides in LiCl Molten Salt. <i>Journal of the Electrochemical Society</i> , 2019, 166, D276-D282.	2.9	15
85	Bipyridine-Directed Syntheses of Uranyl Compounds Containing Semirigid Dicarboxylate Linkers: Diversity and Consistency in Uranyl Speciation. <i>Inorganic Chemistry</i> , 2019, 58, 6934-6945.	4.0	22
86	A Theoretical Study on Divalent Heavier Group 14 Complexes as Promising Donor Ligands for Building Uranium-Metal Bonds. <i>Organometallics</i> , 2019, 38, 1963-1972.	2.3	10
87	Effective Removal of Anionic Re(VII) by Surface-Modified Ti <sub>2</sub> CT <sub>x</sub> MXene Nanocomposites: Implications for Tc(VII) Sequestration. <i>Environmental Science &amp; Technology</i> , 2019, 53, 3739-3747.	10.0	163
88	Nanolayered Ti <sub>3</sub> C <sub>2</sub> and SrTiO <sub>3</sub> Composites for Photocatalytic Reduction and Removal of Uranium(VI). <i>ACS Applied Nano Materials</i> , 2019, 2, 2283-2294.	5.0	119
89	Sorption of Eu(III) on MXene-derived titanate structures: The effect of nano-confined space. <i>Chemical Engineering Journal</i> , 2019, 370, 1200-1209.	12.7	91
90	Anion-adaptive crystalline cationic material for <sup>99</sup> TcO <sub>4</sub> <sup>-</sup> trapping. <i>Nature Communications</i> , 2019, 10, 1532.	12.8	87

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91	Adsorption of Eu(III) and Th(IV) on three-dimensional graphene-based macrostructure studied by spectroscopic investigation. <i>Environmental Pollution</i> , 2019, 248, 82-89.	7.5	51
92	Efficient thorium(IV) removal by two-dimensional Ti <sub>2</sub> CT <sub>x</sub> MXene from aqueous solution. <i>Chemical Engineering Journal</i> , 2019, 366, 192-199.	12.7	163
93	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
94	<i>In situ</i> nitroso formation induced structural diversity of uranyl coordination polymers. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 775-785.	6.0	19
95	Uranium Dendritic Morphology in the Electrorefining: Influences of Temperature and Current Density. <i>Journal of the Electrochemical Society</i> , 2018, 165, D98-D106.	2.9	15
96	Insight into the Extraction Mechanism of Americium(III) over Europium(III) with Pyridylpyrazole: A Relativistic Quantum Chemistry Study. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4499-4507.	2.5	32
97	Semirigid Tripodal Ligand Based Uranyl Coordination Polymer Isomers Featuring 2D Honeycomb Nets. <i>Inorganic Chemistry</i> , 2018, 57, 4492-4501.	4.0	29
98	Stepwise ortho Chlorination of Carboxyl Groups for Promoting Structure Variance of Heterometallic Uranyl-Silver Coordination Polymers of Isonicotinate. <i>Inorganic Chemistry</i> , 2018, 57, 4673-4685.	4.0	21
99	Raman and Electrochemical Study of Zirconium in LiCl-KCl-LiF-ZrCl <sub>4</sub> . <i>Journal of the Electrochemical Society</i> , 2018, 165, D6-D12.	2.9	19
100	Electrochemical properties of gadolinium on liquid gallium electrode in LiCl-KCl eutectic. <i>Journal of Rare Earths</i> , 2018, 36, 656-661.	4.8	10
101	Bimetallic Uranyl Organic Frameworks Supported by Transition-Metal-Ion-Based Metalloligand Motifs: Synthesis, Structure Diversity, and Luminescence Properties. <i>Inorganic Chemistry</i> , 2018, 57, 6084-6094.	4.0	33
102	Direct separation of uranium from lanthanides (La, Nd, Ce, Sm) in oxide mixture in LiCl-KCl eutectic melt. <i>Electrochimica Acta</i> , 2018, 275, 100-109.	5.2	39
103	Defect engineering in metal-organic frameworks: a new strategy to develop applicable actinide sorbents. <i>Chemical Communications</i> , 2018, 54, 370-373.	4.1	167
104	Theoretical Insights into Preorganized Pyridylpyrazole-Based Ligands toward the Separation of Am(III)/Eu(III). <i>Inorganic Chemistry</i> , 2018, 57, 14810-14820.	4.0	48
105	Uranyl-Organic Coordination Compounds Incorporating Photoactive Vinylpyridine Moieties: Synthesis, Structural Characterization, and Light-Induced Fluorescence Attenuation. <i>Inorganic Chemistry</i> , 2018, 57, 14772-14785.	4.0	18
106	Electrochemical and Thermodynamic Properties of Uranium on the Liquid Bismuth Electrode in LiCl-KCl Eutectic. <i>Journal of the Electrochemical Society</i> , 2018, 165, D722-D730.	2.9	37
107	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
108	Influence of complexing species on the extraction of trivalent actinides from lanthanides with CyMe <sub>4</sub> -BTBP: a theoretical study. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1453-1463.	1.5	11



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109	Actinide-Based Porphyrinic MOF as a Dehydrogenation Catalyst. <i>Chemistry - A European Journal</i> , 2018, 24, 16766-16769.	3.3	37
110	A particularly simple NH <sub>4</sub> Cl-based method for the dissolution of UO <sub>2</sub> and rare earth oxides in LiCl-KCl melt under air atmosphere. <i>Journal of Nuclear Materials</i> , 2018, 508, 63-73.	2.7	19
111	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
112	Simultaneous elimination of cationic uranium( <sup>VI</sup> ) and anionic rhenium( <sup>VII</sup> ) by graphene oxide-poly(ethyleneimine) macrostructures: a batch, XPS, EXAFS, and DFT combined study. <i>Environmental Science: Nano</i> , 2018, 5, 2077-2087.	4.3	95
113	New formulation for reduction potentials of (Cu, Ni, Al, Zn)-lanthanide alloys Implications for electrolysis-based pyroprocessing of spent nuclear fuel. <i>Electrochemistry Communications</i> , 2018, 93, 180-182.	4.7	5
114	A neptunium( <sup>V</sup> )-mediated interwoven transuranium-rotaxane network incorporating a mechanically interlocked [2]daisy chain unit. <i>Chemical Communications</i> , 2018, 54, 8645-8648.	4.1	21
115	Electrochemical and Thermodynamic Properties of Pr on the Liquid Bi Electrode in LiCl-KCl Eutectic Melt. <i>Journal of the Electrochemical Society</i> , 2018, 165, D452-D460.	2.9	26
116	Efficient U(VI) Reduction and Sequestration by Ti <sub>2</sub> CT <sub>x</sub> MXene. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10748-10756.	10.0	253
117	Uranyl-containing heterometallic coordination polymers based on 4-(4- <sup>TM</sup> -carboxyphenyl)-1,2,4-triazole ligand: structure regulation through subtle changes of the secondary metal centers. <i>Journal of Coordination Chemistry</i> , 2018, 71, 3021-3033.	2.2	3
118	Large-Pore 3D Cubic Mesoporous (KIT-6) Hybrid Bearing a Hard-Soft Donor Combined Ligand for Enhancing U(VI) Capture: An Experimental and Theoretical Investigation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3774-3784.	8.0	70
119	Evaluation of the Electroextractions of Ce and Nd from LiCl-KCl Molten Salt Using Liquid Ga Electrode. <i>Journal of the Electrochemical Society</i> , 2017, 164, D169-D178.	2.9	76
120	Two Three-Dimensional Actinide-Silver Heterometallic Coordination Polymers Based on 2,2'-Bipyridine-3,3'-dicarboxylic Acid with Helical Chains Containing Dimeric or Trimeric Motifs. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1472-1477.	2.0	18
121	Complexation of vanadium with amidoxime and carboxyl groups: uncovering the competitive role of vanadium in uranium extraction from seawater. <i>Radiochimica Acta</i> , 2017, 105, 541-553.	1.2	19
122	U(VI) Extraction by 8-hydroxyquinoline: a comparison study in ionic liquid and in dichloromethane. <i>Radiochimica Acta</i> , 2017, 105, 441-448.	1.2	5
123	Mixed-Ligand Uranyl Polyrrotaxanes Incorporating a Sulfate/Oxalate Coligand: Achieving Structural Diversity via pH-Dependent Competitive Effect. <i>Inorganic Chemistry</i> , 2017, 56, 3227-3237.	4.0	25
124	Enhanced Photocatalytic Removal of Uranium(VI) from Aqueous Solution by Magnetic TiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> and Its Graphene Composite. <i>Environmental Science &amp; Technology</i> , 2017, 51, 5666-5674.	10.0	292
125	Supramolecular Isomers of Coordination-Directed Side-Chain Polypseudorotaxanes Based on Trimeric Uranyl Oxalate Nodes. <i>Chemistry - A European Journal</i> , 2017, 23, 8380-8384.	3.3	10
126	Condition dependence of Zr electrochemical reactions and morphological evolution of Zr deposits in molten salt. <i>Science China Chemistry</i> , 2017, 60, 264-274.	8.2	17



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127	Kinetics process of Tb(III)/Tb couple at liquid Zn electrode and thermodynamic properties of Tb-Zn alloys formation. <i>Science China Chemistry</i> , 2017, 60, 813-821.	8.2	8
128	Theoretical investigation on electronic and mechanical properties of ternary actinide (U, Np, Pu) nitrides. <i>Journal of Applied Physics</i> , 2017, 122, 115109.	2.5	10
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