

Liyong Yuan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208
papers

7,113
citations

45
h-index

74
g-index

220
ext. papers

8,699
ext. citations

5.8
avg, IF

6.18
L-index

#	Paper	IF	Citations
208	Electrochemical extraction kinetics of Nd on reactive electrodes. <i>Separation and Purification Technology</i> , 2022 , 281, 119853	8.3	3
207	Separation of Uranium from Lanthanides (La, Sm) with Sacrificial Li Anode in LiCl-KCl Eutectic Salt. <i>Separation and Purification Technology</i> , 2022 , 121025	8.3	0
206	The influence of F ⁻ on the electrochemical behavior and coordination properties of uranium in LiCl-KCl molten salt. <i>Electrochimica Acta</i> , 2021 , 139573	6.7	1
205	Theoretical insights into the possible applications of amidoxime-based adsorbents in neptunium and plutonium separation. <i>Dalton Transactions</i> , 2021 , 50, 15576-15584	4.3	0
204	Theoretical Insights into the Separation of Am(III)/Eu(III) by Hydrophilic Sulfonated Ligands. <i>Inorganic Chemistry</i> , 2021 , 60, 16409-16419	5.1	2
203	Thorium(IV) adsorption onto multilayered TiCT MXene: a batch, X-ray diffraction and EXAFS combined study. <i>Journal of Synchrotron Radiation</i> , 2021 , 28, 1709-1719	2.4	0
202	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	12.8	33
201	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	4.8	3
200	Electroseparation of uranium from lanthanides (La, Ce, Pr, Nd and Sm) on liquid gallium electrode. <i>Separation and Purification Technology</i> , 2021 , 265, 118524	8.3	8
199	Electrodeposition Mechanism of La ³⁺ on Al, Ga and Al-Ga Alloy Cathodes in LiCl-KCl Eutectic Salt. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 062511	3.9	3
198	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	5.1	3
197	An Azobenzene-Modified Photoresponsive Thorium-Organic Framework: Monitoring and Quantitative Analysis of Reversible Photoisomerization. <i>Inorganic Chemistry</i> , 2021 , 60, 8519-8529	5.1	4
196	Facile Access to Uranium and Thorium Phosphaethynolate Complexes Supported by Tren: Experimental and Theoretical Study. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2125-2131	4.9	1
195	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	5.1	1
194	Theoretical Insights into Transplutonium Element Separation with Electronically Modulated Phenanthroline-Derived Bis-Triazine Ligands. <i>Inorganic Chemistry</i> , 2021 , 60, 10267-10279	5.1	2
193	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	5.1	11
192	Robust covalent organic frameworks with tailor-made chelating sites for synergistic capture of U(vi) ions from highly acidic radioactive waste. <i>Dalton Transactions</i> , 2021 , 50, 3792-3796	4.3	2

191	Coordination-driven assembly of actinide-organic polyrotaxanes involving crown ether macrocycles. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 3686-3694	5.2	0
190	Controlling the secondary assembly of porous anionic uranyl-organic polyhedra through organic cationic templates. <i>Dalton Transactions</i> , 2021 , 50, 4499-4503	4.3	1
189	Uranyl-catalyzed hydrosilylation of α -quinone methides: access to diarylmethane derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 1575-1579	3.9	1
188	Liquid Electrodes for An/Ln Separation in Pyroprocessing. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 032507	3.9	1
187	Carboxylated UiO-66 Tailored for U(VI) and Eu(III) Trapping: From Batch Adsorption to Dynamic Column Separation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 16300-16308	9.5	20
186	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	5.1	2
185	Way to Enforce Selectivity via Steric Hindrance: Improvement of Am(III)/Eu(III) Solvent Extraction by Loaded Diphosphonic Acid Esters. <i>Inorganic Chemistry</i> , 2021 , 60, 14563-14581	5.1	3
184	Hydrolytically stable foamed HKUST-1@CMC composites realize high-efficient separation of U(VI). <i>IScience</i> , 2021 , 24, 102982	6.1	1
183	Photocatalytic reduction of uranium(VI) under visible light with 2D/1D Ti ₃ C ₂ /CdS. <i>Chemical Engineering Journal</i> , 2021 , 420, 129831	14.7	22
182	Theoretical insights into the substitution effect of phenanthroline derivative ligands on the extraction of Mo (VI). <i>Separation and Purification Technology</i> , 2021 , 280, 119817	8.3	2
181	In-situ anodic precipitation process for highly efficient separation of aluminum alloys. <i>Nature Communications</i> , 2021 , 12, 5777	17.4	5
180	Selective separation between UO ₂ ²⁺ and Pu ⁴⁺ by novel tetradentate chelate phenanthroline diamide ligand in 1-octanol. <i>Separation and Purification Technology</i> , 2021 , 277, 119521	8.3	3
179	Enhancing the Am/Cm 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	4.3	3
178	Rational Design of a Tripodal Ligand for U(IV): Synthesis and Characterization of a U ^{IV} Species and Insights into Its Reactivity. <i>Organometallics</i> , 2020 , 39, 4069-4077	3.8	5
177	Application of Binary Ga/Al Alloy Cathode in U Separation from Ce: The Possibility in Pyroprocessing of Spent Nuclear Fuel. <i>Electrochimica Acta</i> , 2020 , 353, 136449	6.7	15
176	Aryl Diazonium-Assisted Amidoximation of MXene for Boosting Water Stability and Uranyl Sequestration via Electrochemical Sorption. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 15579-15587	9.5	40
175	Kinked-Helix Actinide Polyrotaxanes from Weakly Bound Pseudorotaxane Linkers with Variable Conformations. <i>Inorganic Chemistry</i> , 2020 , 59, 4058-4067	5.1	10
174	A simple and effective separation of UO ₂ and Ln ₂ O ₃ assisted by NH ₄ Cl in LiCl/KCl eutectic. <i>Journal of Nuclear Materials</i> , 2020 , 532, 152049	3.3	1

173	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	4.3	21
172	Rational Construction of Porous Metal-Organic Frameworks for Uranium(VI) Extraction: The Strong Periodic Tendency with a Metal Node. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14087-14094	9.5	25
171	Layered structure-based materials: challenges and opportunities for radionuclide sequestration. <i>Environmental Science: Nano</i> , 2020 , 7, 724-752	7.1	26
170	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	5.1	14
169	Photocatalytic reduction of uranium(VI) by magnetic ZnFe ₂ O ₄ under visible light. <i>Applied Catalysis B: Environmental</i> , 2020 , 267, 118688	21.8	85
168	Facile construction of diverse diarylmethane scaffolds via uranyl-catalyzed 1,6-addition reaction. <i>Tetrahedron Letters</i> , 2020 , 61, 152076	2	5
167	A new family of actinide sorbents with more open porous structure: Fibrous functionalized silica microspheres. <i>Chemical Engineering Journal</i> , 2020 , 385, 123892	14.7	11
166	A mixed-ligand strategy regulates thorium-based MOFs. <i>Dalton Transactions</i> , 2020 , 49, 983-987	4.3	18
165	Noncomplexed Cucurbituril-Mediated Structural Evolution of Layered Uranyl Terephthalate Compounds. <i>Inorganic Chemistry</i> , 2020 , 59, 943-955	5.1	5
164	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	6	3
163	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	1.9	4
162	Complexation of trivalent lanthanides and actinides with diethylenetriaminepentaacetic acid: Theoretical unraveling of bond covalency. <i>Journal of Molecular Liquids</i> , 2020 , 299, 112174	6	12
161	Visible-Light-Enabled C-H Functionalization by a Direct Hydrogen Atom Transfer Uranyl Photocatalyst. <i>Chemistry - A European Journal</i> , 2020 , 26, 16521-16529	4.8	16
160	Radiation Controllable Synthesis of Robust Covalent Organic Framework Conjugates for Efficient Dynamic Column Extraction of ⁹⁹ TcO ₄ ⁻ . <i>Chem</i> , 2020 , 6, 2796-2809	16.2	35
159	Uranium chemical species in LiCl-KCl eutectic under different conditions for the dissolution of U ₃ O ₈ . <i>Journal of Nuclear Materials</i> , 2020 , 542, 152475	3.3	3
158	A New Preorganized Metalloligand Linker for the Construction of Luminescent Coordination Polymers. <i>Crystal Growth and Design</i> , 2020 , 20, 6966-6972	3.5	5
157	Theoretical Prediction of the Potential Applications of Phenanthroline Derivatives in Separation of Transplutonium Elements. <i>Inorganic Chemistry</i> , 2020 , 59, 11469-11480	5.1	10
156	Actinide Separation Inspired by Self-Assembled Metal-Polyphenolic Nanocages. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16538-16545	16.4	23

155	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	5.1	7
154	Effective removal of U(VI) and Eu(III) by carboxyl functionalized MXene nanosheets. <i>Journal of Hazardous Materials</i> , 2020 , 396, 122731	12.8	75
153	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	1.9	8
152	Metal-Carboxyl Helical Chain Secondary Units Supported Ion-Exchangeable Anionic Uranyl-Organic Framework. <i>Chemistry - A European Journal</i> , 2019 , 25, 10309-10313	4.8	11
151	Confirmation and elimination of cyclic electrolysis of uranium ions in molten salts. <i>Electrochemistry Communications</i> , 2019 , 103, 55-60	5.1	10
150	Preparation of Uranium-Molybdenum Alloys by Electrochemical Reduction of Solid Oxides in LiCl Molten Salt. <i>Journal of the Electrochemical Society</i> , 2019 , 166, D276-D282	3.9	7
149	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	3.8	9
148	Highly selective extraction of Pu (IV) and Am (III) by N,N'-diethyl-N,N'-ditolyl-2,9-diamide-1,10-phenanthroline ligand: An experimental and theoretical study. <i>Separation and Purification Technology</i> , 2019 , 223, 274-281	8.3	28
147	Effective Removal of Anionic Re(VII) by Surface-Modified TiCT MXene Nanocomposites: Implications for Tc(VII) Sequestration. <i>Environmental Science & Technology</i> , 2019 , 53, 3739-3747	10.3	94
146	Nanolayered Ti3C2 and SrTiO3 Composites for Photocatalytic Reduction and Removal of Uranium(VI). <i>ACS Applied Nano Materials</i> , 2019 , 2, 2283-2294	5.6	69
145	Sorption of Eu(III) on MXene-derived titanate structures: The effect of nano-confined space. <i>Chemical Engineering Journal</i> , 2019 , 370, 1200-1209	14.7	54
144	Anion-adaptive crystalline cationic material for TcO trapping. <i>Nature Communications</i> , 2019 , 10, 1532	17.4	50
143	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	9.3	34
142	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	5.1	17
141	In situ nitroso formation induced structural diversity of uranyl coordination polymers. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 775-785	6.8	12
140	Efficient Photocatalytic Reduction of Aqueous Perrhenate and Pertechnetate. <i>Environmental Science & Technology</i> , 2019 , 53, 10917-10925	10.3	19
139	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
138	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	5.1	25

137	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	6.7	12
136	Theoretical Insights into the Selective Extraction of Americium(III) over Europium(III) with Dithioamide-Based Ligands. <i>Inorganic Chemistry</i> , 2019 , 58, 10047-10056	5.1	23
135	Electrochemical behavior of praseodymium on the W and Al ₂ O ₃ electrodes in LiCl-KCl eutectic: A comparison study. <i>Electrochimica Acta</i> , 2019 , 326, 134971	6.7	8
134	Electrochemical Behaviors of Eu (III) on the Liquid Binary Al-Ga Alloy Cathode. <i>Journal of the Electrochemical Society</i> , 2019 , 166, D882-D889	3.9	7
133	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	2.8	23
132	Exploring Actinide Materials through Synchrotron Radiation Techniques 2018 , 389-509		2
131	Raman and Electrochemical Study of Zirconium in LiCl-KCl-LiF-ZrCl ₄ . <i>Journal of the Electrochemical Society</i> , 2018 , 165, D6-D12	3.9	11
130	Electrochemical properties of gadolinium on liquid gallium electrode in LiCl KCl eutectic. <i>Journal of Rare Earths</i> , 2018 , 36, 656-661	3.7	6
129	Ordered Entanglement in Actinide-Organic Coordination Polymers. <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 554-562	5.1	35
128	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	6.7	21
127	Template-Driven Assembly of Rare Hexameric Uranyl-Organic Rotaxane Networks Threaded on Dimeric Uranyl Chains. <i>Crystal Growth and Design</i> , 2018 , 18, 3073-3081	3.5	8
126	Theoretical studies on the synergistic extraction of Am and Eu with CMPO-HDEHP and CMPO-HEH[EHP] systems. <i>Dalton Transactions</i> , 2018 , 47, 5474-5482	4.3	19
125	Simultaneous elimination of cationic uranium(VI) and anionic rhenium(VII) by graphene oxide/poly(ethyleneimine) macrostructures: a batch, XPS, EXAFS, and DFT combined study. <i>Environmental Science: Nano</i> , 2018 , 5, 2077-2087	7.1	72
124	A neptunium(v)-mediated interwoven transuranium-rotaxane network incorporating a mechanically interlocked [c2]daisy chain unit. <i>Chemical Communications</i> , 2018 , 54, 8645-8648	5.8	18
123	Towards understanding the correlation between UO ₂ ²⁺ extraction and substitute groups in 2,9-diamide-1,10-phenanthroline. <i>Science China Chemistry</i> , 2018 , 61, 1285-1292	7.9	16
122	Efficient U(VI) Reduction and Sequestration by TiCT MXene. <i>Environmental Science & Technology</i> , 2018 , 52, 10748-10756	10.3	147
121	Defect engineering in metal-organic frameworks: a new strategy to develop applicable actinide sorbents. <i>Chemical Communications</i> , 2018 , 54, 370-373	5.8	131
120	Theoretical Insights into Preorganized Pyridylpyrazole-Based Ligands toward the Separation of Am(III)/Eu(III). <i>Inorganic Chemistry</i> , 2018 , 57, 14810-14820	5.1	25

119	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	5.1	22
118	Theoretical Study on Unsupported Uranium-Metal Bonding in Uranium-Group 8 Complexes. <i>Organometallics</i> , 2018 , 37, 3678-3686	3.8	16
117	Influence of complexing species on the extraction of trivalent actinides from lanthanides with CyMe4BTBP: a theoretical study. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 318, 1453-1463	1.5	10
116	A particularly simple NH ₄ Cl-based method for the dissolution of UO ₂ and rare earth oxides in LiCl-KCl melt under air atmosphere. <i>Journal of Nuclear Materials</i> , 2018 , 508, 63-73	3.3	8
115	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 & Interfaces</i> , 2017 , 9, 3774-3784	9.5	55
114	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	3.9	54
113	U(VI) Extraction by 8-hydroxyquinoline: a comparison study in ionic liquid and in dichloromethane. <i>Radiochimica Acta</i> , 2017 , 105, 441-448	1.9	4
112	Mixed-Ligand Uranyl Polyrotaxanes Incorporating a Sulfate/Oxalate Coligand: Achieving Structural Diversity via pH-Dependent Competitive Effect. <i>Inorganic Chemistry</i> , 2017 , 56, 3227-3237	5.1	20
111	Enhanced Photocatalytic Removal of Uranium(VI) from Aqueous Solution by Magnetic TiO ₂ /FeO and Its Graphene Composite. <i>Environmental Science & Technology</i> , 2017 , 51, 5666-5674	10.3	211
110	Temperature-induced reversible single-crystal-to-single-crystal isomerisation of uranyl polyrotaxanes: an exquisite case of coordination variability of the uranyl center. <i>Dalton Transactions</i> , 2017 , 46, 7392-7396	4.3	14
109	Supramolecular Isomers of Coordination-Directed Side-Chain Polypseudorotaxanes Based on Trimeric Uranyl Oxalate Nodes. <i>Chemistry - A European Journal</i> , 2017 , 23, 8380-8384	4.8	10
108	Condition dependence of Zr electrochemical reactions and morphological evolution of Zr deposits in molten salt. <i>Science China Chemistry</i> , 2017 , 60, 264-274	7.9	11
107	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	7.9	7
106	Rational control of the interlayer space inside two-dimensional titanium carbides for highly efficient uranium removal and imprisonment. <i>Chemical Communications</i> , 2017 , 53, 12084-12087	5.8	132
105	Theoretically unraveling the separation of Am(III)/Eu(III): insights from mixed N,O-donor ligands with variations of central heterocyclic moieties. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 26969-26979	3.6	44
104	Theoretical insights into the uranyl adsorption behavior on vanadium carbide MXene. <i>Applied Surface Science</i> , 2017 , 426, 572-578	6.7	57
103	Supramolecular Host-Guest Inclusion for Distinguishing Cucurbit[7]uril-Based Pseudorotaxanes from Small-Molecule Ligands in Coordination Assembly with a Uranyl Center. <i>Chemistry - A European Journal</i> , 2017 , 23, 13995-14003	4.8	24
102	Direct Electrochemical Preparation of Ni-Zr Alloy from Mixture Oxides in LiCl Molten Salt. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D888-D894	3.9	13

101	Extending the Use of Highly Porous and Functionalized MOFs to Th(IV) Capture. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25216-25224	9.5	113
100	U(VI) capture from aqueous solution by highly porous and stable MOFs: UiO-66 and its amine derivative. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 307, 269-276	1.5	129
99	A new solvent system containing N,N'-diethyl-N,N'-ditolyl-2,9-diamide-1,10-phenanthroline in 1-(trifluoromethyl)-3-nitrobenzene for highly selective UO ₂ ²⁺ extraction. <i>Separation and Purification Technology</i> , 2016 , 168, 232-237	8.3	37
98	Electrochemical Properties of Uranium on the Liquid Gallium Electrode in LiCl-KCl Eutectic. <i>Journal of the Electrochemical Society</i> , 2016 , 163, D554-D561	3.9	52
97	Interactions between uranium(vi) and phosphopeptide: experimental and theoretical investigations. <i>Dalton Transactions</i> , 2016 , 45, 14988-97	4.3	15
96	An Unprecedented Two-Fold Nested Super-Polyrotaxane: Sulfate-Directed Hierarchical Polythreading Assembly of Uranyl Polyrotaxane Moieties. <i>Chemistry - A European Journal</i> , 2016 , 22, 11329-38	4.8	14
95	Electrochemical Properties of Lanthanum on the Liquid Gallium Electrode in LiCl-KCl Eutectic. <i>Journal of the Electrochemical Society</i> , 2016 , 163, D750-D756	3.9	27
94	Synthesis of ordered mesoporous uranium dioxide by a nanocasting route. <i>Radiochimica Acta</i> , 2016 , 104, 549-553	1.9	5
93	Loading Actinides in Multilayered Structures for Nuclear Waste Treatment: The First Case Study of Uranium Capture with Vanadium Carbide MXene. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16396-403	9.5	138
92	Adsorption of uranyl species on hydroxylated titanium carbide nanosheet: A first-principles study. <i>Journal of Hazardous Materials</i> , 2016 , 308, 402-10	12.8	84
91	Surface properties of NpO ₂ and water reacting with stoichiometric and reduced NpO ₂ (111), (110), and (100) surfaces from ab initio atomistic thermodynamics. <i>Surface Science</i> , 2016 , 644, 153-164	1.8	13
90	Electrochemical and thermodynamic properties of Nd (III)/Nd (0) couple at liquid Zn electrode in LiCl-KCl melt. <i>Electrochimica Acta</i> , 2016 , 191, 1026-1036	6.7	35
89	Incorporation of magnetism into the dihydroimidazole functionalized mesoporous silica for convenient U(VI) capture. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 308, 447-458	1.5	7
88	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. <i>Dalton Transactions</i> , 2016 , 45, 8107-17	4.37	36
87	Estimation of the composition of intermetallic compounds in LiCl-KCl molten salt by cyclic voltammetry. <i>Faraday Discussions</i> , 2016 , 190, 387-98	3.6	5
86	Easily prepared and stable functionalized magnetic ordered mesoporous silica for efficient uranium extraction. <i>Science China Chemistry</i> , 2016 , 59, 629-636	7.9	15
85	Diffusion Coefficient of Ho ³⁺ at Liquid zinc Electrode and Co-reduction Behaviors of Ho ³⁺ and Zn ²⁺ on W Electrode in the LiCl-KCl Eutectic. <i>Electrochimica Acta</i> , 2016 , 211, 313-321	6.7	23
84	Copper/Zinc-Directed Heterometallic Uranyl-Organic Polycatenating Frameworks: Synthesis, Characterization, and Anion-Dependent Structural Regulation. <i>Inorganic Chemistry</i> , 2016 , 55, 10125-10134	5.1	22

83	First three-dimensional actinide polyrotaxane framework mediated by windmill-like six-connected oligomeric uranyl: dual roles of the pseudorotaxane precursor. <i>Dalton Transactions</i> , 2016 , 45, 13304-7	4.3	15
82	Theoretical insight into the binding affinity enhancement of serine with the uranyl ion through phosphorylation. <i>RSC Advances</i> , 2016 , 6, 69773-69781	3.7	14
81	Theoretical studies on the AnO ₂ (n+) (An = U, Np; n = 1, 2) complexes with di-(2-ethylhexyl)phosphoric acid. <i>Dalton Transactions</i> , 2015 , 44, 3227-36	4.3	21
80	Electroreduction-based Tb extraction from Tb ₄ O ₇ on different substrates: understanding Al ^{III} b alloy formation mechanism in LiCl-KCl melt. <i>RSC Advances</i> , 2015 , 5, 69134-69142	3.7	7
79	Supramolecular inclusion-based molecular integral rigidity: a feasible strategy for controlling the structural connectivity of uranyl polyrotaxane networks. <i>Chemical Communications</i> , 2015 , 51, 11990-3	5.8	40
78	Europium, uranyl, and thorium-phenanthroline amide complexes in acetonitrile solution: an ESI-MS and DFT combined investigation. <i>Dalton Transactions</i> , 2015 , 44, 14376-87	4.3	48
77	Electrochemical behavior of La(III) on the zinc-coated W electrode in LiCl-KCl eutectic. <i>Electrochimica Acta</i> , 2015 , 168, 206-215	6.7	37
76	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. <i>CrystEngComm</i> , 2015 , 17, 3031-3040	3.3	14
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