

# Liyong Yuan

## List of Publications by Citations

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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	Uranium(VI) adsorption on graphene oxide nanosheets from aqueous solutions. <i>Chemical Engineering Journal</i> , <b>2012</b> , 210, 539-546	14.7	343
207	Introduction of amino groups into acid-resistant MOFs for enhanced U(VI) sorption. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 525-534	13	293
206	MOF-76: from a luminescent probe to highly efficient U(VI) sorption material. <i>Chemical Communications</i> , <b>2013</b> , 49, 10415-7	5.8	214
205	Enhanced Photocatalytic Removal of Uranium(VI) from Aqueous Solution by Magnetic TiO/FeO and Its Graphene Composite. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 5666-5674	10.3	211
204	Efficient removal of uranium from aqueous solution by zero-valent iron nanoparticle and its graphene composite. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 290, 26-33	12.8	193
203	Excellent selectivity for actinides with a tetradentate 2,9-diamide-1,10-phenanthroline ligand in highly acidic solution: a hard-soft donor combined strategy. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 1712-20	5.1	151
202	Efficient U(VI) Reduction and Sequestration by TiCT MXene. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10748-10756	10.3	147
201	Loading Actinides in Multilayered Structures for Nuclear Waste Treatment: The First Case Study of Uranium Capture with Vanadium Carbide MXene. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16396-403	9.5	138
200	High performance of phosphonate-functionalized mesoporous silica for U(VI) sorption from aqueous solution. <i>Dalton Transactions</i> , <b>2011</b> , 40, 7446-53	4.3	138
199	Rational control of the interlayer space inside two-dimensional titanium carbides for highly efficient uranium removal and imprisonment. <i>Chemical Communications</i> , <b>2017</b> , 53, 12084-12087	5.8	132
198	Defect engineering in metal-organic frameworks: a new strategy to develop applicable actinide sorbents. <i>Chemical Communications</i> , <b>2018</b> , 54, 370-373	5.8	131
197	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> , <b>2016</b> , 307, 269-276	1.5	129
196	A novel mesoporous material for uranium extraction, dihydroimidazole functionalized SBA-15. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 17019		116
195	Extending the Use of Highly Porous and Functionalized MOFs to Th(IV) Capture. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 25216-25224	9.5	113
194	Recent advances in computational modeling and simulations on the An(III)/Ln(III) separation process. <i>Coordination Chemistry Reviews</i> , <b>2012</b> , 256, 1406-1417	23.2	98
193	Effective Removal of Anionic Re(VII) by Surface-Modified TiCT MXene Nanocomposites: Implications for Tc(VII) Sequestration. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 3739-3747	10.3	94
192	Introduction of bifunctional groups into mesoporous silica for enhancing uptake of thorium(IV) from aqueous solution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4786-96	9.5	87

191	Photocatalytic reduction of uranium(VI) by magnetic ZnFe <sub>2</sub> O <sub>4</sub> under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 267, 118688	21.8	85
190	Adsorption of uranyl species on hydroxylated titanium carbide nanosheet: A first-principles study. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 308, 402-10	12.8	84
189	Trivalent actinide and lanthanide separations by tetradentate nitrogen ligands: a quantum chemistry study. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 9230-7	5.1	81
188	Understanding the bonding nature of uranyl ion and functionalized graphene: a theoretical study. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 2149-58	2.8	78
187	Exploring actinide materials through synchrotron radiation techniques. <i>Advanced Materials</i> , <b>2014</b> , 26, 7807-48	24	77
186	Effective removal of U(VI) and Eu(III) by carboxyl functionalized MXene nanosheets. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 396, 122731	12.8	75
185	A high efficient sorption of U(VI) from aqueous solution using amino-functionalized SBA-15. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2012</b> , 292, 803-810	1.5	74
184	Theoretical insights on the interaction of uranium with amidoxime and carboxyl groups. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 9466-76	5.1	73
183	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> , <b>2018</b> , 5, 2077-2087	7.1	72
182	Efficient removal of caesium ions from aqueous solution using a calix crown ether in ionic liquids: mechanism and radiation effect. <i>Dalton Transactions</i> , <b>2010</b> , 39, 3897-902	4.3	70
181	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> , <b>2019</b> , 2, 2283-2294	5.6	69
180	Density functional theory investigations of the trivalent lanthanide and actinide extraction complexes with diglycolamides. <i>Dalton Transactions</i> , <b>2014</b> , 43, 8713-20	4.3	63
179	Density functional theory studies of UO <sub>2</sub> (2+) and NpO <sub>2</sub> (+) complexes with carbamoylmethylphosphine oxide ligands. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 196-203	5.1	63
178	Mesoporous silica SBA-15 functionalized with phosphonate and amino groups for uranium uptake. <i>Science China Chemistry</i> , <b>2012</b> , 55, 1705-1711	7.9	63
177	Radiation effects on hydrophobic ionic liquid [C <sub>4</sub> mim][NTf <sub>2</sub> ] during extraction of strontium ions. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 8948-52	3.4	59
176	Theoretical insights into the uranyl adsorption behavior on vanadium carbide MXene. <i>Applied Surface Science</i> , <b>2017</b> , 426, 572-578	6.7	57
175	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> , <b>2017</b> , 9, 3774-3784	9.5	55
174	Evaluation of the Electroextractions of Ce and Nd from LiCl-KCl Molten Salt Using Liquid Ga Electrode. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, D169-D178	3.9	54

173	Sorption of Eu(III) on MXene-derived titanate structures: The effect of nano-confined space. <i>Chemical Engineering Journal</i> , <b>2019</b> , 370, 1200-1209	14.7	54
172	Interactions between Th(IV) and graphene oxide: experimental and density functional theoretical investigations. <i>RSC Advances</i> , <b>2014</b> , 4, 3340-3347	3.7	53
171	Electrochemical Properties of Uranium on the Liquid Gallium Electrode in LiCl-KCl Eutectic. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, D554-D561	3.9	52
170	Electrochemical extraction of samarium from LiCl-KCl melt by forming Sm-Zn alloys. <i>Electrochimica Acta</i> , <b>2014</b> , 120, 369-378	6.7	51
169	Anion-adaptive crystalline cationic material for TcO trapping. <i>Nature Communications</i> , <b>2019</b> , 10, 1532	17.4	50
168	Understanding the interactions of neptunium and plutonium ions with graphene oxide: scalar-relativistic DFT investigations. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 10273-80	2.8	49
167	Theoretical investigation on multiple bonds in terminal actinide nitride complexes. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 9607-14	5.1	49
166	Europium, uranyl, and thorium-phenanthroline amide complexes in acetonitrile solution: an ESI-MS and DFT combined investigation. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14376-87	4.3	48
165	Influence of gamma-radiation on the ionic liquid [C4mim][PF6] during extraction of strontium ions. <i>Dalton Transactions</i> , <b>2008</b> , 6358-60	4.3	48
164	Quantum chemistry study of uranium(VI), neptunium(V), and plutonium(IV,VI) complexes with preorganized tetradentate phenanthrolineamide ligands. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 10846-53	5.1	47
163	The first case of an actinide polyrotaxane incorporating cucurbituril: a unique Dragon-like Pt twist induced by a specific coordination pattern of uranium. <i>Chemical Communications</i> , <b>2014</b> , 50, 3612-5	5.8	44
162	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> , <b>2017</b> , 19, 26969-26976	3.6	44
161	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. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 504-11	2.8	43
160	Complexation behavior of Eu(III) and Am(III) with CMPO and Ph2CMPO ligands: insights from density functional theory. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 10904-11	5.1	41
159	Supramolecular inclusion-based molecular integral rigidity: a feasible strategy for controlling the structural connectivity of uranyl polyrotaxane networks. <i>Chemical Communications</i> , <b>2015</b> , 51, 11990-3	5.8	40
158	Silver Ion-Mediated Heterometallic Three-Fold Interpenetrating Uranyl-Organic Framework. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 10934-45	5.1	40
157	Aryl Diazonium-Assisted Amidoximation of MXene for Boosting Water Stability and Uranyl Sequestration via Electrochemical Sorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 15579-15587	8.5	40
156	Electrochemical behaviors of Dy(III) and its co-reduction with Al(III) in molten LiCl-KCl salts. <i>Electrochimica Acta</i> , <b>2014</b> , 147, 87-95	6.7	40

155	Electroextraction of gadolinium from Gd <sub>2</sub> O <sub>3</sub> in LiCl-KCl-AlCl <sub>3</sub> molten salts. <i>Electrochimica Acta</i> , <b>2013</b> , 109, 732-740	6.7	39
154	Nanomaterials and nanotechnologies in nuclear energy chemistry. <i>Radiochimica Acta</i> , <b>2012</b> , 100, 727-736	6.9	38
153	Identification of the radiolytic product of hydrophobic ionic liquid [C <sub>4</sub> mim][NTf <sub>2</sub> ] during removal of Sr <sup>2+</sup> from aqueous solution. <i>Dalton Transactions</i> , <b>2009</b> , 7873-5	4.3	38
152	Electrochemical behavior of La(III) on the zinc-coated W electrode in LiCl-KCl eutectic. <i>Electrochimica Acta</i> , <b>2015</b> , 168, 206-215	6.7	37
151	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 <sub>2</sub> <sup>2+</sup> extraction. <i>Separation and Purification Technology</i> , <b>2016</b> , 168, 232-237	8.3	37
150	A facile additive-free method for tunable fabrication of UO <sub>2</sub> and U <sub>3</sub> O <sub>8</sub> nanoparticles in aqueous solution. <i>CrystEngComm</i> , <b>2014</b> , 16, 2645	3.3	36
149	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> , <b>2016</b> , 45, 8107-17	4.3	36
148	Ordered Entanglement in Actinide-Organic Coordination Polymers. <i>Bulletin of the Chemical Society of Japan</i> , <b>2018</b> , 91, 554-562	5.1	35
147	Electrochemical and thermodynamic properties of Nd (III)/Nd (0) couple at liquid Zn electrode in LiCl-KCl melt. <i>Electrochimica Acta</i> , <b>2016</b> , 191, 1026-1036	6.7	35
146	Radiation-induced darkening of ionic liquid [C <sub>4</sub> mim][NTf <sub>2</sub> ] and its decoloration. <i>Radiation Physics and Chemistry</i> , <b>2009</b> , 78, 1133-1136	2.5	35
145	Radiation Controllable Synthesis of Robust Covalent Organic Framework Conjugates for Efficient Dynamic Column Extraction of <sup>99</sup> TcO <sub>4</sub> <sup>-</sup> . <i>Chem</i> , <b>2020</b> , 6, 2796-2809	16.2	35
144	Adsorption of Eu(III) and Th(IV) on three-dimensional graphene-based macrostructure studied by spectroscopic investigation. <i>Environmental Pollution</i> , <b>2019</b> , 248, 82-89	9.3	34
143	Probing the influence of phosphonate bonding modes to uranium(VI) on structural topology and stability: a complementary experimental and computational investigation. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 3864-74	5.1	33
142	First-principles study of water adsorption and dissociation on the UO <sub>2</sub> (1 1 1), (1 1 0) and (1 0 0) surfaces. <i>Journal of Nuclear Materials</i> , <b>2014</b> , 454, 446-454	3.3	33
141	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> , <b>2021</b> , 408, 124949	12.8	33
140	Terminal U-E (E = N, P, As, Sb, and Bi) bonds in uranium complexes: a theoretical perspective. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 922-30	2.8	32
139	Solvent extraction of U(VI) by trioctylphosphine oxide using a room-temperature ionic liquid. <i>Science China Chemistry</i> , <b>2014</b> , 57, 1432-1438	7.9	31
138	Electrochemical Extraction of Cerium by Forming Ce-Zn Alloys in LiCl-KCl Eutectic on W and Liquid Zn Electrodes. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, E179-E184	3.9	29

137	Influence of $\beta$ -radiation on room-temperature ionic liquid [bmim][PF <sub>6</sub> ] in the presence of nitric acid. <i>Radiation Physics and Chemistry</i> , <b>2009</b> , 78, 737-739	2.5	29
136	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> , <b>2019</b> , 223, 274-281	8.3	28
135	A Quasi-relativistic Density Functional Theory Study of the Actinyl(VI, V) (An = U, Np, Pu) Complexes with a Six-Membered Macrocyclic Containing Pyrrole, Pyridine, and Furan Subunits. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 9178-88	2.8	28
134	Electrochemical Properties of Lanthanum on the Liquid Gallium Electrode in LiCl-KCl Eutectic. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, D750-D756	3.9	27
133	Electroextraction of samarium from Sm <sub>2</sub> O <sub>3</sub> in chloride melts. <i>Electrochimica Acta</i> , <b>2014</b> , 129, 401-409	6.7	27
132	Layered structure-based materials: challenges and opportunities for radionuclide sequestration. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 724-752	7.1	26
131	Electrochemical reactions of the Th <sup>4+</sup> /Th couple on the tungsten, aluminum and bismuth electrodes in chloride molten salt. <i>Electrochimica Acta</i> , <b>2014</b> , 130, 650-659	6.7	26
130	Electrochemical formation of erbium-aluminum alloys from erbia in the chloride melts. <i>Electrochimica Acta</i> , <b>2014</b> , 116, 434-441	6.7	26
129	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> , <b>2020</b> , 12, 14087-14094	9.5	25
128	Coordination of Eu(III) with 1,10-Phenanthroline-2,9-dicarboxamide Derivatives: A Combined Study by MS, TRLIF, and DFT. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 10239-10247	5.1	25
127	Extraction of thorium from LiCl-KCl molten salts by forming Al-Th alloys: a new pyrochemical method for the reprocessing of thorium-based spent fuels. <i>RSC Advances</i> , <b>2013</b> , 3, 23539	3.7	25
126	Theoretical Insights into Preorganized Pyridylpyrazole-Based Ligands toward the Separation of Am(III)/Eu(III). <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14810-14820	5.1	25
125	Theoretical insights into the separation of Am(III) over Eu(III) with PhenBHPPA. <i>Dalton Transactions</i> , <b>2015</b> , 44, 16737-45	4.3	24
124	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> , <b>2017</b> , 23, 13995-14003	4.8	24
123	Tetranuclear Uranyl Polyrotaxanes: Preferred Selectivity toward Uranyl Tetramer for Stabilizing a Flexible Polyrotaxane Chain Exhibiting Weakened Supramolecular Inclusion. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 10226-35	4.8	24
122	Electroseparation of thorium from ThO <sub>2</sub> and La <sub>2</sub> O <sub>3</sub> by forming Th-Al alloys in LiCl-KCl eutectic. <i>Electrochimica Acta</i> , <b>2015</b> , 158, 277-286	6.7	24
121	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> , <b>2018</b> , 122, 4499-4507	2.8	23
120	Theoretical Insights into the Selective Extraction of Americium(III) over Europium(III) with Dithioamide-Based Ligands. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 10047-10056	5.1	23

119	Electrochemical separation of Th from ThO <sub>2</sub> and Eu <sub>2</sub> O <sub>3</sub> assisted by AlCl <sub>3</sub> in molten LiCl-KCl. <i>Electrochimica Acta</i> , <b>2013</b> , 114, 180-188	6.7	23
118	Size-tunable synthesis of monodisperse thorium dioxide nanoparticles and their performance on the adsorption of dye molecules. <i>CrystEngComm</i> , <b>2014</b> , 16, 10469-10475	3.3	23
117	Actinide Separation Inspired by Self-Assembled Metal-Polyphenolic Nanocages. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 16538-16545	16.4	23
116	Diffusion Coefficient of Ho <sup>3+</sup> at Liquid zinc Electrode and Co-reduction Behaviors of Ho <sup>3+</sup> and Zn <sup>2+</sup> on W Electrode in the LiCl-KCl Eutectic. <i>Electrochimica Acta</i> , <b>2016</b> , 211, 313-321	6.7	23
115	Electroreduction of Gd <sup>3+</sup> on W and Zn Electrodes in LiCl-KCl Eutectic: A Comparison Study. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, D531-D539	3.9	22
114	Electrochemical extraction of cerium from CeO <sub>2</sub> assisted by AlCl <sub>3</sub> in molten LiCl-KCl. <i>Electrochimica Acta</i> , <b>2014</b> , 147, 385-391	6.7	22
113	Identification of radiolytic products of [C <sub>4</sub> mim][NTf <sub>2</sub> ] and their effects on the Sr <sup>2+</sup> extraction. <i>Dalton Transactions</i> , <b>2013</b> , 42, 4299-305	4.3	22
112	Copper/Zinc-Directed Heterometallic Uranyl-Organic Polycatenating Frameworks: Synthesis, Characterization, and Anion-Dependent Structural Regulation. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 10125-10134	5.1	22
111	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> , <b>2018</b> , 57, 13513-13523	5.1	22
110	Photocatalytic reduction of uranium(VI) under visible light with 2D/1D Ti <sub>3</sub> C <sub>2</sub> /CdS. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 129831	14.7	22
109	Theoretical studies on the AnO <sub>2</sub> (n+) (An = U, Np; n = 1, 2) complexes with di-(2-ethylhexyl)phosphoric acid. <i>Dalton Transactions</i> , <b>2015</b> , 44, 3227-36	4.3	21
108	Theoretical insights into selective separation of trivalent actinide and lanthanide by ester and amide ligands based on phenanthroline skeleton. <i>Dalton Transactions</i> , <b>2020</b> , 49, 4093-4099	4.3	21
107	Direct separation of uranium from lanthanides (La, Nd, Ce, Sm) in oxide mixture in LiCl-KCl eutectic melt. <i>Electrochimica Acta</i> , <b>2018</b> , 275, 100-109	6.7	21
106	Co-reduction behaviors of lanthanum and aluminium ions in LiCl-KCl eutectic. <i>Electrochimica Acta</i> , <b>2014</b> , 147, 104-113	6.7	21
105	Thermodynamic and electrochemical properties of holmium and HoxAl <sub>y</sub> intermetallic compounds in the LiCl-KCl eutectic. <i>Electrochimica Acta</i> , <b>2015</b> , 174, 15-25	6.7	21
104	Mixed-Ligand Uranyl Polyratanes Incorporating a Sulfate/Oxalate Coligand: Achieving Structural Diversity via pH-Dependent Competitive Effect. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 3227-3237	5.1	20
103	Carboxylated UiO-66 Tailored for U(VI) and Eu(III) Trapping: From Batch Adsorption to Dynamic Column Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 16300-16308	9.5	20
102	Theoretical studies on the synergistic extraction of Am and Eu with CMPO-HDEHP and CMPO-HEH[EHP] systems. <i>Dalton Transactions</i> , <b>2018</b> , 47, 5474-5482	4.3	19

101	Efficient Photocatalytic Reduction of Aqueous Perrhenate and Per technetate. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 10917-10925	10.3	19
100	Towards understanding the color change of 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide during gamma irradiation: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 18729-35	3.6	19
99	First principles modeling of zirconium solution in bulk UO <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 183514-5	4.5	19
98	Solvent extraction of uranium(VI) by a dipicolinamide using a room-temperature ionic liquid. <i>Radiochimica Acta</i> , <b>2014</b> , 102, 87-92	1.9	19
97	A neptunium(v)-mediated interwoven transuranium-rotaxane network incorporating a mechanically interlocked [c2]daisy chain unit. <i>Chemical Communications</i> , <b>2018</b> , 54, 8645-8648	5.8	18
96	A mixed-ligand strategy regulates thorium-based MOFs. <i>Dalton Transactions</i> , <b>2020</b> , 49, 983-987	4.3	18
95	Uranyl Compounds Involving a Weakly Bonded Pseudorotaxane Linker: Combined Effect of pH and Competing Ligands on Uranyl Coordination and Speciation. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 3271-3282	5.1	17
94	Synthesis of ThO <sub>2</sub> nanostructures through a hydrothermal approach: influence of hexamethylenetetramine (HMTA) and sodium dodecyl sulfate (SDS). <i>RSC Advances</i> , <b>2014</b> , 4, 52209-52214	2.7	17
93	New insight of coordination and extraction of uranium(VI) with N-donating ligands in room temperature ionic liquids: N,NPdiethyl-N,NPditolyldipicolinamide as a case study. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 1992-9	5.1	17
92	Towards understanding the correlation between UO <sub>2</sub> <sup>2+</sup> extraction and substitute groups in 2,9-diamide-1,10-phenanthroline. <i>Science China Chemistry</i> , <b>2018</b> , 61, 1285-1292	7.9	16
91	First-principles DFT+U modeling of defect behaviors in anti-ferromagnetic uranium mononitride. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 223516	2.5	16
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40	Facile construction of diverse diarylmethane scaffolds via uranyl-catalyzed 1,6-addition reaction. <i>Tetrahedron Letters</i> , <b>2020</b> , 61, 152076	2	5
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1	Separation of Uranium from Lanthanides (La, Sm) with Sacrificial Li Anode in LiCl-KCl Eutectic Salt. <i>Separation and Purification Technology</i> , <b>2022</b> , 121025	8.3	0