Wei-Qun Shi

List of Publications by Year
in descending order

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347 papers	13,807 citations	23544 58 h-index	34964 98 g-index
359 all docs	359 docs citations	359 times ranked	7790 citing authors

#	Article	IF	Citations
1	Uranium(VI) adsorption on graphene oxide nanosheets from aqueous solutions. Chemical Engineering Journal, 2012, 210, 539-546.	6.6	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.	5.2	378
3	Synthesis and Electrochemical Properties of Two-Dimensional Hafnium Carbide. ACS Nano, 2017, 11, 3841-3850.	7.3	370
4	Enhanced Photocatalytic Removal of Uranium(VI) from Aqueous Solution by Magnetic TiO₂/Fe₃O₄ and Its Graphene Composite. Environmental Science & Technology, 2017, 51, 5666-5674.	4.6	292
5	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.	6.6	266
6	MOF-76: from a luminescent probe to highly efficient U^{VI} sorption material. Chemical Communications, 2013, 49, 10415-10417.	2.2	257
7	Synthesis of novel nanomaterials and their application in efficient removal of radionuclides. Science China Chemistry, 2019, 62, 933-967.	4.2	256
8	Efficient U(VI) Reduction and Sequestration by Ti₂CT_x MXene. Environmental Science & Technology, 2018, 52, 10748-10756.	4.6	253
9	Efficient removal of uranium from aqueous solution by zero-valent iron nanoparticle and its graphene composite. Journal of Hazardous Materials, 2015, 290, 26-33.	6.5	231
10	Excellent Selectivity for Actinides with a Tetradentate 2,9-Diamide-1,10-Phenanthroline Ligand in Highly Acidic Solution: A Hardâ€“Soft Donor Combined Strategy. Inorganic Chemistry, 2014, 53, 1712-1720.	1.9	219
11	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.	4.0	214
12	Rational control of the interlayer space inside two-dimensional titanium carbides for highly efficient uranium removal and imprisonment. Chemical Communications, 2017, 53, 12084-12087.	2.2	198
13	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.	0.7	176
14	Photocatalytic reduction of uranium(VI) by magnetic ZnFe2O4 under visible light. Applied Catalysis B: Environmental, 2020, 267, 118688.	10.8	170
15	Defect engineering in metalâ€“organic frameworks: a new strategy to develop applicable actinide sorbents. Chemical Communications, 2018, 54, 370-373.	2.2	167
16	Effective removal of U(VI) and Eu(III) by carboxyl functionalized MXene nanosheets. Journal of Hazardous Materials, 2020, 396, 122731.	6.5	166
17	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.	4.6	163
18	Efficient thorium(IV) removal by two-dimensional Ti2CTx MXene from aqueous solution. Chemical Engineering Journal, 2019, 366, 192-199.	6.6	163

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19	Extending the Use of Highly Porous and Functionalized MOFs to Th(IV) Capture. ACS Applied Materials & Interfaces, 2017, 9, 25216-25224.	4.0	158
20	High performance of phosphonate-functionalized mesoporous silica for U(vi) sorption from aqueous solution. Dalton Transactions, 2011, 40, 7446.	1.6	152
21	Impact of Al₂O₃ on the Aggregation and Deposition of Graphene Oxide. Environmental Science & Technology, 2014, 48, 5493-5500.	4.6	144
22	A novel mesoporous material for uranium extraction, dihydroimidazole functionalized SBA-15. Journal of Materials Chemistry, 2012, 22, 17019.	6.7	128
23	Nanolayered Ti₃C₂ and SrTiO₃ Composites for Photocatalytic Reduction and Removal of Uranium(VI). ACS Applied Nano Materials, 2019, 2, 2283-2294.	2.4	119
24	Recent advances in computational modeling and simulations on the An(III)/Ln(III) separation process. Coordination Chemistry Reviews, 2012, 256, 1406-1417.	9.5	117
25	Adsorption of uranyl species on hydroxylated titanium carbide nanosheet: A first-principles study. Journal of Hazardous Materials, 2016, 308, 402-410.	6.5	115
26	Aryl Diazonium-Assisted Amidoximation of MXene for Boosting Water Stability and Uranyl Sequestration via Electrochemical Sorption. ACS Applied Materials & Interfaces, 2020, 12, 15579-15587.	4.0	115
27	Introduction of Bifunctional Groups into Mesoporous Silica for Enhancing Uptake of Thorium(IV) from Aqueous Solution. ACS Applied Materials & Interfaces, 2014, 6, 4786-4796.	4.0	113
28	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.	4.6	113
29	Theoretical Insights on the Interaction of Uranium with Amidoxime and Carboxyl Groups. Inorganic Chemistry, 2014, 53, 9466-9476.	1.9	103
30	Radiation Controllable Synthesis of Robust Covalent Organic Framework Conjugates for Efficient Dynamic Column Extraction of 99TcO4â^'. CheM, 2020, 6, 2796-2809.	5.8	103
31	Trivalent Actinide and Lanthanide Separations by Tetradentate Nitrogen Ligands: A Quantum Chemistry Study. Inorganic Chemistry, 2011, 50, 9230-9237.	1.9	96
32	Understanding the Bonding Nature of Uranyl Ion and Functionalized Graphene: A Theoretical Study. Journal of Physical Chemistry A, 2014, 118, 2149-2158.	1.1	96
33	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.	2.2	95
34	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.	6.5	95
35	A high efficient sorption of U(VI) from aqueous solution using amino-functionalized SBA-15. Journal of Radioanalytical and Nuclear Chemistry, 2012, 292, 803-810.	0.7	92
36	Sorption of Eu(III) on MXene-derived titanate structures: The effect of nano-confined space. Chemical Engineering Journal, 2019, 370, 1200-1209.	6.6	91

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37	Exploring Actinide Materials Through Synchrotron Radiation Techniques. Advanced Materials, 2014, 26, 7807-7848.	11.1	89
38	Anion-adaptive crystalline cationic material for 99TcO4â^' trapping. Nature Communications, 2019, 10, 1532.	5.8	87
39	New Insight into GO, Cadmium(II), Phosphate Interaction and Its Role in GO Colloidal Behavior. Environmental Science & Technology, 2016, 50, 9361-9369.	4.6	85
40	Theoretical insights into the uranyl adsorption behavior on vanadium carbide MXene. Applied Surface Science, 2017, 426, 572-578.	3.1	83
41	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.	1.3	76
42	Carboxylated UiO-66 Tailored for U(VI) and Eu(III) Trapping: From Batch Adsorption to Dynamic Column Separation. ACS Applied Materials & Interfaces, 2021, 13, 16300-16308.	4.0	74
43	Mesoporous silica SBA-15 functionalized with phosphonate and amino groups for uranium uptake. Science China Chemistry, 2012, 55, 1705-1711.	4.2	73
44	Density Functional Theory Studies of UO₂²⁺ and NpO₂⁺ Complexes with Carbamoylmethylphosphine Oxide Ligands. Inorganic Chemistry, 2013, 52, 196-203.	1.9	73
45	Theoretical Investigation on Multiple Bonds in Terminal Actinide Nitride Complexes. Inorganic Chemistry, 2014, 53, 9607-9614.	1.9	73
46	Density functional theory investigations of the trivalent lanthanide and actinide extraction complexes with diglycolamides. Dalton Transactions, 2014, 43, 8713.	1.6	72
47	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.	7.2	71
48	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.	4.0	70
49	Theoretically unraveling the separation of Am(<scp>iii</scp>)/Eu(<scp>iii</scp>): insights from mixed N,O-donor ligands with variations of central heterocyclic moieties. Physical Chemistry Chemical Physics, 2017, 19, 26969-26979.	1.3	69
50	Induced-polarization detection and mapping of contaminant plumes. Geophysics, 2006, 71, B75-B84.	1.4	68
51	Electrochemical extraction of samarium from LiCl-KCl melt by forming Sm-Zn alloys. Electrochimica Acta, 2014, 120, 369-378.	2.6	67
52	Combined DFT and XPS investigation of iodine anions adsorption on the sulfur terminated (001) chalcopyrite surface. Applied Surface Science, 2016, 390, 412-421.	3.1	65
53	Electrochemical Properties of Uranium on the Liquid Gallium Electrode in LiCl-KCl Eutectic. Journal of the Electrochemical Society, 2016, 163, D554-D561.	1.3	65
54	Photocatalytic reduction of uranium(VI) under visible light with 2D/1D Ti3C2/CdS. Chemical Engineering Journal, 2021, 420, 129831.	6.6	64

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55	Europium, uranyl, and thorium-phenanthroline amide complexes in acetonitrile solution: an ESI-MS and DFT combined investigation. Dalton Transactions, 2015, 44, 14376-14387.	1.6	63
56	Electrochemical behaviors of Dy(III) and its co-reduction with Al(III) in molten LiCl-KCl salts. Electrochimica Acta, 2014, 147, 87-95.	2.6	62
57	Quantum Chemistry Study of Uranium(VI), Neptunium(V), and Plutonium(IV,VI) Complexes with Preorganized Tetradentate Phenanthrolineamide Ligands. Inorganic Chemistry, 2014, 53, 10846-10853.	1.9	61
58	Highly selective extraction of Pu (IV) and Am (III) by N,Nâ€²-diethyl-N,Nâ€²-ditolyl-2,9-diamide-1,10-phenanthroline ligand: An experimental and theoretical study. Separation and Purification Technology, 2019, 223, 274-281.	3.9	59
59	Understanding the Interactions of Neptunium and Plutonium Ions with Graphene Oxide: Scalar-Relativistic DFT Investigations. Journal of Physical Chemistry A, 2014, 118, 10273-10280.	1.1	57
60	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.	1.7	57
61	Interactions between Th(<scp>iv</scp>) and graphene oxide: experimental and density functional theoretical investigations. RSC Advances, 2014, 4, 3340-3347.	1.7	56
62	Novel Viologen Derivative Based Uranyl Coordination Polymers Featuring Photochromic Behaviors. Chemistry - A European Journal, 2017, 23, 18074-18083.	1.7	56
63	Actinide Separation Inspired by Self-Assembled Metalâ€“Polyphenolic Nanocages. Journal of the American Chemical Society, 2020, 142, 16538-16545.	6.6	56
64	Heteroaggregation behavior of graphene oxide on Zr-based metalâ€“organic frameworks in aqueous solutions: a combined experimental and theoretical study. Journal of Materials Chemistry A, 2017, 5, 20398-20406.	5.2	53
65	A new solvent system containing N,Nâ€²-diethyl-N,Nâ€²-ditolyl-2,9-diamide-1,10-phenanthroline in 1-(trifluoromethyl)-3-nitrobenzene for highly selective UO 2 2+ extraction. Separation and Purification Technology, 2016, 168, 232-237.	3.9	52
66	Electroextraction of gadolinium from Gd2O3 in LiClâ€“KClâ€“AlCl3 molten salts. Electrochimica Acta, 2013, 109, 732-740.	2.6	51
67	Adsorption of Eu(III) and Th(IV) on three-dimensional graphene-based macrostructure studied by spectroscopic investigation. Environmental Pollution, 2019, 248, 82-89.	3.7	51
68	The first case of an actinide polyrotaxane incorporating cucurbituril: a unique â€˜dragon-likeâ€™ twist induced by a specific coordination pattern of uranium. Chemical Communications, 2014, 50, 3612-3615.	2.2	50
69	Complexation Behavior of Eu(III) and Am(III) with CMPO and Ph₂CMPO Ligands: Insights from Density Functional Theory. Inorganic Chemistry, 2013, 52, 10904-10911.	1.9	48
70	Solvent extraction of U(VI) by trioctylphosphine oxide using a room-temperature ionic liquid. Science China Chemistry, 2014, 57, 1432-1438.	4.2	48
71	Theoretical Insights into Preorganized Pyridylpyrazole-Based Ligands toward the Separation of Am(III)/Eu(III). Inorganic Chemistry, 2018, 57, 14810-14820.	1.9	48
72	Theoretical Insights into the Selective Extraction of Americium(III) over Europium(III) with Dithioamide-Based Ligands. Inorganic Chemistry, 2019, 58, 10047-10056.	1.9	48

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73	Enhanced photocatalytic reduction of aqueous Re(VII) in ambient air by amorphous TiO2/g-C3N4 photocatalysts: Implications for Tc(VII) elimination. Chemical Engineering Journal, 2020, 401, 125977.	6.6	48
74	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.	4.0	48
75	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.	1.1	46
76	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.	1.6	46
77	Solarâ€Driven Nitrogen Fixation Catalyzed by Stable Radicalâ€Containing MOFs: Improved Efficiency Induced by a Structural Transformation. Angewandte Chemie, 2020, 132, 20847-20852.	1.6	46
78	Electrochemical behavior of La(III) on the zinc-coated W electrode in LiCl-KCl eutectic. Electrochimica Acta, 2015, 168, 206-215.	2.6	45
79	Supramolecular inclusion-based molecular integral rigidity: a feasible strategy for controlling the structural connectivity of uranyl polyrotaxane networks. Chemical Communications, 2015, 51, 11990-11993.	2.2	44
80	Silver Ion-Mediated Heterometallic Three-Fold Interpenetrating Uranylâ€“Organic Framework. Inorganic Chemistry, 2015, 54, 10934-10945.	1.9	44
81	Electrochemical and thermodynamic properties of Nd (III)/Nd (0) couple at liquid Zn electrode in LiCl-KCl melt. Electrochimica Acta, 2016, 191, 1026-1036.	2.6	44
82	Layered structure-based materials: challenges and opportunities for radionuclide sequestration. Environmental Science: Nano, 2020, 7, 724-752.	2.2	44
83	Probing the Influence of Phosphonate Bonding Modes to Uranium(VI) on Structural Topology and Stability: A Complementary Experimental and Computational Investigation. Inorganic Chemistry, 2015, 54, 3864-3874.	1.9	43
84	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.	1.3	43
85	Nanomaterials and nanotechnologies in nuclear energy chemistry. Radiochimica Acta, 2012, 100, 727-736.	0.5	42
86	Actinide (An = Thâ€“Pu) dimetallocenes: promising candidates for metalâ€“metal multiple bonds. Dalton Transactions, 2015, 44, 17045-17053.	1.6	41
87	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.	1.9	41
88	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.	1.9	40
89	The first case of actinide triple helices: pH-dependent structural evolution and kinetically-controlled transformation of two supramolecular conformational isomers. Chemical Communications, 2015, 51, 8978-8981.	2.2	39
90	Direct separation of uranium from lanthanides (La, Nd, Ce, Sm) in oxide mixture in LiCl-KCl eutectic melt. Electrochimica Acta, 2018, 275, 100-109.	2.6	39

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91	A mixed-ligand strategy regulates thorium-based MOFs. Dalton Transactions, 2020, 49, 983-987.	1.6	39
92	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.	7.2	39
93	A facile additive-free method for tunable fabrication of UO2 and U3O8 nanoparticles in aqueous solution. CrystEngComm, 2014, 16, 2645.	1.3	38
94	Terminal Uâ‰¡E (E = N, P, As, Sb, and Bi) Bonds in Uranium Complexes: A Theoretical Perspective. Journal of Physical Chemistry A, 2015, 119, 922-930.	1.1	38
95	Ordered Entanglement in Actinide-Organic Coordination Polymers. Bulletin of the Chemical Society of Japan, 2018, 91, 554-562.	2.0	38
96	Exploring New Assembly Modes of Uranyl Terephthalate: Templated Syntheses and Structural Regulation of a Series of Rare 2D â† 3D Polycatenated Frameworks. Inorganic Chemistry, 2017, 56, 7694-7706.	1.9	37
97	Electrochemical and Thermodynamic Properties of Uranium on the Liquid Bismuth Electrode in LiCl-KCl Eutectic. Journal of the Electrochemical Society, 2018, 165, D722-D730.	1.3	37
98	Actinideâ€Based Porphyrinic MOF as a Dehydrogenation Catalyst. Chemistry - A European Journal, 2018, 24, 16766-16769.	1.7	37
99	Structural Diversity of Bipyridinium-Based Uranyl Coordination Polymers: Synthesis, Characterization, and Ion-Exchange Application. Inorganic Chemistry, 2019, 58, 14075-14084.	1.9	37
100	First-principles study of water adsorption and dissociation on the UO2 (1 1 1), (1 1 0) and (1 0 0) surfaces. Journal of Nuclear Materials, 2014, 454, 446-454.	1.3	36
101	Halogen Bonded Three-Dimensional Uranylâ€“Organic Compounds with Unprecedented Halogenâ€“Halogen Interactions and Structure Diversity upon Variation of Halogen Substitution. Crystal Growth and Design, 2015, 15, 1395-1406.	1.4	36
102	In-situ anodic precipitation process for highly efficient separation of aluminum alloys. Nature Communications, 2021, 12, 5777.	5.8	36
103	Electroextraction of samarium from Sm2O3 in chloride melts. Electrochimica Acta, 2014, 129, 401-409.	2.6	35
104	First-Principles Study of Water Reaction and H₂ Formation on UO₂ (111) and (110) Single Crystal Surfaces. Journal of Physical Chemistry C, 2014, 118, 21935-21944.	1.5	35
105	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.	1.1	35
106	Hexadecylpyridinium (HDPy) modified bentonite for efficient and selective removal of 99Tc from wastewater. Chemical Engineering Journal, 2020, 382, 122894.	6.6	35
107	Visibleâ€Lightâ€Enabled Cå^'H Functionalization by a Direct Hydrogen Atom Transfer Uranyl Photocatalyst. Chemistry - A European Journal, 2020, 26, 16521-16529.	1.7	35
108	Theoretical insights into the separation of Am(<scp>iii</scp>) over Eu(<scp>iii</scp>) with PhenBHPPA. Dalton Transactions, 2015, 44, 16737-16745.	1.6	34

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109	Paving the way for the synthesis of a series of divalent actinide complexes: a theoretical perspective. Dalton Transactions, 2016, 45, 3102-3110.	1.6	34
110	The templated synthesis of a unique type of tetra-nuclear uranyl-mediated two-fold interpenetrating uranylâ€“organic framework. Chemical Communications, 2016, 52, 1641-1644.	2.2	34
111	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.	1.9	34
112	Porous Cationic Electrospun Fibers with Sufficient Adsorption Sites for Effective and Continuous ⁹⁹TcO₄^{â^’} Uptake. Advanced Functional Materials, 2022, 32, .	7.8	34
113	Electroseparation of thorium from ThO2 and La2O3 by forming Th-Al alloys in LiCl-KCl eutectic. Electrochimica Acta, 2015, 158, 277-286.	2.6	33
114	Electrodeposition of Tb on Mo and Al electrodes: Thermodynamic properties of TbCl3 and TbAl2 in the LiCl-KCl eutectic melts. Electrochimica Acta, 2015, 167, 139-146.	2.6	33
115	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.	1.7	33
116	Bimetallic Uranyl Organic Frameworks Supported by Transition-Metal-Ion-Based Metalloligand Motifs: Synthesis, Structure Diversity, and Luminescence Properties. Inorganic Chemistry, 2018, 57, 6084-6094.	1.9	33
117	Towards understanding the correlation between UO22+ extraction and substitute groups in 2,9-diamide-1,10-phenanthroline. Science China Chemistry, 2018, 61, 1285-1292.	4.2	33
118	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.	1.6	33
119	Radiation-induced surface modification of silanized silica with n-alkyl-imidazolium ionic liquids and their applications for the removal of ReO4â^’ as an analogue for TcO4â^’. Applied Surface Science, 2021, 551, 149406.	3.1	33
120	Electrochemical extraction of cerium from CeO2 assisted by AlCl3 in molten LiCl-KCl. Electrochimica Acta, 2014, 147, 385-391.	2.6	32
121	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.	1.1	32
122	Efficient Photocatalytic Reduction of Aqueous Perrhenate and Pertechnetate. Environmental Science & Technology, 2019, 53, 10917-10925.	4.6	32
123	Size-dependent toxicity of ThO2 nanoparticles to green algae Chlorella pyrenoidosa. Aquatic Toxicology, 2019, 209, 113-120.	1.9	32
124	Graphene oxide/chitosan/potassium copper hexacyanoferrate(II) composite aerogel for efficient removal of cesium. Chemical Engineering Journal, 2022, 444, 136397.	6.6	32
125	Size-tunable synthesis of monodisperse thorium dioxide nanoparticles and their performance on the adsorption of dye molecules. CrystEngComm, 2014, 16, 10469-10475.	1.3	31
126	Electrochemical formation of erbium-aluminum alloys from erbia in the chloride melts. Electrochimica Acta, 2014, 116, 434-441.	2.6	31

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127	Theoretical studies on the AnO₂ⁿ⁺ (An = U, Np; n = 1, 2) complexes with di-(2-ethylhexyl)phosphoric acid. Dalton Transactions, 2015, 44, 3227-3236.	1.6	31
128	Performance and Mechanism for the Selective Separation of Trivalent Americium from Lanthanides by a Tetradentate Phenanthroline Ligand in Ionic Liquid. Inorganic Chemistry, 2020, 59, 3905-3911.	1.9	31
129	Co-reduction behaviors of lanthanum and aluminium ions in LiCl-KCl eutectic. Electrochimica Acta, 2014, 147, 104-113.	2.6	30
130	A combined DFT and molecular dynamics study of U(VI)/calcite interaction in aqueous solution. Science Bulletin, 2017, 62, 1064-1073.	4.3	30
131	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.	1.7	29
132	Thermodynamic and electrochemical properties of holmium and HoxAly intermetallic compounds in the LiCl-KCl eutectic. Electrochimica Acta, 2015, 174, 15-25.	2.6	29
133	Electrochemical Properties of Lanthanum on the Liquid Gallium Electrode in LiCl-KCl Eutectic. Journal of the Electrochemical Society, 2016, 163, D750-D756.	1.3	29
134	Theoretical studies on the complexation of Eu(III) and Am(III) with HDEHP: structure, bonding nature and stability. Science China Chemistry, 2016, 59, 324-331.	4.2	29
135	Semirigid Tripodal Ligand Based Uranyl Coordination Polymer Isomers Featuring 2D Honeycomb Nets. Inorganic Chemistry, 2018, 57, 4492-4501.	1.9	29
136	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.	1.9	29
137	Thermodynamics and Kinetics Properties of Lanthanides (La, Ce, Pr, Nd) on Liquid Bismuth Electrode in LiCl-KCl Molten Salt. Journal of the Electrochemical Society, 2020, 167, 122507.	1.3	29
138	Electrochemical separation of Th from ThO2 and Eu2O3 assisted by AlCl3 in molten LiClâ€“KCl. Electrochimica Acta, 2013, 114, 180-188.	2.6	28
139	Theoretical Prediction of the Potential Applications of Phenanthroline Derivatives in Separation of Transplutonium Elements. Inorganic Chemistry, 2020, 59, 11469-11480.	1.9	28
140	Strong Periodic Tendency of Trivalent Lanthanides Coordinated with a Phenanthroline-Based Ligand: Cascade Countercurrent Extraction, Spectroscopy, and Crystallography. Inorganic Chemistry, 2021, 60, 9745-9756.	1.9	28
141	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.	1.7	27
142	Rapid Determination of Uranium in Water Samples by Adsorptive Cathodic Stripping Voltammetry Using a Tin-Bismuth Alloy Electrode. Electrochimica Acta, 2015, 174, 925-932.	2.6	27
143	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.	2.6	27
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