

Wei-Qun Shi

List of Publications by Year in descending order

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347
papers

13,807
citations

27035

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docs citations

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times ranked

8742
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Hierarchical and self-supporting honeycomb LaNi ₅ alloy on nickel foam for overall water splitting in alkaline media. <i>Green Energy and Environment</i> , 2022, 7, 799-806. | 4.7 | 15 |
| 2 | Theoretical insights into the substitution effect of phenanthroline derivative ligands on the extraction of Mo (VI). <i>Separation and Purification Technology</i> , 2022, 280, 119817. | 3.9 | 11 |
| 3 | Technetium-99 decontamination from radioactive wastewater by modified bentonite: batch, column experiment and mechanism investigation. <i>Chemical Engineering Journal</i> , 2022, 428, 131333. | 6.6 | 26 |
| 4 | Recent Advances in MOF-Based Materials for Photocatalytic Nitrogen Fixation. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, . | 1.0 | 15 |
| 5 | Electrochemical extraction kinetics of Nd on reactive electrodes. <i>Separation and Purification Technology</i> , 2022, 281, 119853. | 3.9 | 14 |
| 6 | Two-dimensional transition metal carbide/nitride (MXene)-based nanomaterials for removal of toxic/radioactive metal ions from wastewater. , 2022, , 161-194. | | 0 |
| 7 | The influence of F ⁻ ion on the electrochemical behavior and coordination properties of uranium in LiCl-KCl molten salt. <i>Electrochimica Acta</i> , 2022, 404, 139573. | 2.6 | 16 |
| 8 | Theoretical Insights on Improving Amidoxime Selectivity for Potential Uranium Extraction from Seawater. <i>Journal of Physical Chemistry A</i> , 2022, 126, 406-415. | 1.1 | 11 |
| 9 | Highly stable actinide(III) complexes supported by doubly aromatic ligands. <i>Physical Chemistry Chemical Physics</i> , 2022, , . | 1.3 | 1 |
| 10 | Coordination-Adaptive Polydentate Pseudorotaxane Ligand for Capturing Multiple Uranyl Species. <i>Inorganic Chemistry</i> , 2022, , . | 1.9 | 5 |
| 11 | Carbene Derivatives of Group 14: A Class of Important Reactive Intermediates. <i>Acta Chimica Sinica</i> , 2022, 80, 373. | 0.5 | 2 |
| 12 | Temperature-responsive alkaline aqueous biphasic system for radioactive wastewater treatment. <i>Chinese Chemical Letters</i> , 2022, 33, 3561-3564. | 4.8 | 7 |
| 13 | Encapsulation of Polymetallic Oxygen Clusters in a Mesoporous/Microporous Thorium-Based Porphyrin Metal-Organic Framework for Enhanced Photocatalytic CO ₂ Reduction. <i>Inorganic Chemistry</i> , 2022, 61, 3368-3373. | 1.9 | 16 |
| 14 | Hierarchical assembly of uranyl metallacycles involving macrocyclic hosts. <i>Chinese Chemical Letters</i> , 2022, 33, 3539-3542. | 4.8 | 8 |
| 15 | Porous Cationic Electrospun Fibers with Sufficient Adsorption Sites for Effective and Continuous ⁹⁹ TcO ₄ ⁻ Uptake. <i>Advanced Functional Materials</i> , 2022, 32, . | 7.8 | 34 |
| 16 | Molecular Dynamics Simulations of Metal Electrode/Molten LiCl-KCl-UCl ₃ Mixtures Interface. <i>Journal of the Electrochemical Society</i> , 2022, 169, 032503. | 1.3 | 1 |
| 17 | A novel CPE procedure by oil-in-water microemulsion for preconcentrating and analyzing thorium and uranium. <i>Radiochimica Acta</i> , 2022, 110, 239-249. | 0.5 | 1 |
| 18 | Two tetravalent uranium silicate and germanate crystals with three membered single-ring by molten salt method: K ₂ USi ₃ O ₉ and Cs ₂ UGe ₃ O ₉ . <i>Chinese Chemical Letters</i> , 2022, 33, 3527-3530. | 4.8 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Theoretical Probing of Size-Selective Crown Ether Macrocyclic Ligands for Transplutonium Element Separation. <i>Inorganic Chemistry</i> , 2022, 61, 4404-4413. | 1.9 | 15 |
| 20 | Separation of uranium from lanthanides (La, Sm) with sacrificial Li anode in LiCl-KCl eutectic salt. <i>Separation and Purification Technology</i> , 2022, 292, 121025. | 3.9 | 8 |
| 21 | Professor Zhifang Chai: Scientific Contributions and Achievements. <i>Chinese Chemical Letters</i> , 2022, , . | 4.8 | 0 |
| 22 | Theoretical study on the extraction behaviors of MoO ₂ ²⁺ with organophosphorous extractants. <i>Journal of Molecular Liquids</i> , 2022, 355, 118969. | 2.3 | 5 |
| 23 | Mixed-Ligand Uranyl Squarate Coordination Polymers: Structure Regulation and Redox Activity. <i>Inorganic Chemistry</i> , 2022, 61, 302-316. | 1.9 | 2 |
| 24 | Chemical Species Transformation during the Dissolution Process of U ₃ O ₈ and UO ₂ in the LiCl-KCl-AlCl ₃ Molten Salt. <i>Inorganic Chemistry</i> , 2022, 61, 6519-6529. | 1.9 | 9 |
| 25 | Theoretical Insights into the Selective Separation of Am(III)/Eu(III) Using Hydrophilic Triazolyl-Based Ligands. <i>Inorganic Chemistry</i> , 2022, 61, 6110-6119. | 1.9 | 18 |
| 26 | Controllable photomechanical bending of metal-organic rotaxane crystals facilitated by regioselective confined-space photodimerization. <i>Nature Communications</i> , 2022, 13, 2030. | 5.8 | 19 |
| 27 | Graphene oxide/chitosan/potassium copper hexacyanoferrate(II) composite aerogel for efficient removal of cesium. <i>Chemical Engineering Journal</i> , 2022, 444, 136397. | 6.6 | 32 |
| 28 | Theoretical insights into the reduction mechanism of neptunyl nitrate by hydrazine derivatives. <i>Radiochimica Acta</i> , 2022, 110, 471-480. | 0.5 | 1 |
| 29 | Electrochemical Behaviour and Chemical Species of Sm(II) in AlCl ₃ -NaCl with Different Lewis Acidity. <i>Chemistry - A European Journal</i> , 2022, 28, . | 1.7 | 3 |
| 30 | A Theoretical Study of Unsupported Uranium-Ruthenium Bonds Based on Tripodal Ligands. <i>Organometallics</i> , 2022, 41, 1304-1313. | 1.1 | 0 |
| 31 | Theoretical Studies on the Interaction of Uranyl with Carboxylic Acids and Oxime Ligands. <i>Acta Chimica Sinica</i> , 2022, 80, 708. | 0.5 | 0 |
| 32 | Pyridine-di-phosphonates as chelators for trivalent f-elements: kinetics, thermodynamic and interfacial study of Am(III)/Eu(III) solvent extraction. <i>Dalton Transactions</i> , 2022, 51, 11180-11192. | 1.6 | 7 |
| 33 | Theoretical insights into selective extraction of uranium from seawater with tetradentate N,O-mixed donor ligands. <i>Dalton Transactions</i> , 2022, 51, 11381-11389. | 1.6 | 6 |
| 34 | Modular Assembly of Isostructural Mixed-Ligand Uranyl Coordination Polymers Based on a Patterning Strategy. <i>Inorganic Chemistry</i> , 2022, 61, 10694-10704. | 1.9 | 2 |
| 35 | Machine-Learning-Guided Identification of Coordination Polymer Ligands for Crystallizing Separation of Cs/Sr. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33076-33084. | 4.0 | 3 |
| 36 | The Coordination Chemistry of f-Block Elements in Molten Salts. <i>Chemistry - A European Journal</i> , 2022, 28, . | 1.7 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Superhydrophobic Phosphonium Modified Robust 3D Covalent Organic Framework for Preferential Trapping of Charge Dispersed Oxoanionic Pollutants. <i>Advanced Functional Materials</i> , 2022, 32, . | 7.8 | 27 |
| 38 | Construction of Hybrid Bimetallic Uranyl Compounds Based on a Preassembled Terpyridine Metalloligand. <i>Chemistry - A European Journal</i> , 2021, 27, 2124-2130. | 1.7 | 17 |
| 39 | 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. | 1.9 | 34 |
| 40 | 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. | 1.6 | 19 |
| 41 | Coordination-driven assembly of actinide-organic polyrotaxanes involving crown ether macrocycles. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3686-3694. | 2.3 | 2 |
| 42 | Controlling the secondary assembly of porous anionic uranyl-organic polyhedra through organic cationic templates. <i>Dalton Transactions</i> , 2021, 50, 4499-4503. | 1.6 | 3 |
| 43 | Theoretical prediction of chiral actinide endohedral borospherenes. <i>New Journal of Chemistry</i> , 2021, 45, 6803-6810. | 1.4 | 4 |
| 44 | Uranyl-catalyzed hydrosilylation of <i>para</i> -quinone methides: access to diarylmethane derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1575-1579. | 1.5 | 5 |
| 45 | Liquid Electrodes for An/Ln Separation in Pyroprocessing. <i>Journal of the Electrochemical Society</i> , 2021, 168, 032507. | 1.3 | 7 |
| 46 | 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. | 4.0 | 74 |
| 47 | 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. | 1.3 | 18 |
| 48 | Substituent Effect on the Selective Separation and Complexation of Trivalent Americium and Lanthanides by N,O-Hybrid 2,9-Diamide-1,10-phenanthroline Ligands in Ionic Liquid. <i>Inorganic Chemistry</i> , 2021, 60, 5131-5139. | 1.9 | 17 |
| 49 | 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. | 6.5 | 95 |
| 50 | 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. | 1.1 | 5 |
| 51 | 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. | 1.7 | 10 |
| 52 | Electroseparation of uranium from lanthanides (La, Ce, Pr, Nd and Sm) on liquid gallium electrode. <i>Separation and Purification Technology</i> , 2021, 265, 118524. | 3.9 | 19 |
| 53 | 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. | 1.3 | 13 |
| 54 | 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. | 1.9 | 28 |

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|----|--|-----|-----------|
| 55 | An Azobenzene-Modified Photoresponsive Thorium-Organic Framework: Monitoring and Quantitative Analysis of Reversible <i>cis</i> Photoisomerization. <i>Inorganic Chemistry</i> , 2021, 60, 8519-8529. | 1.9 | 18 |
| 56 | 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. | 2.6 | 15 |
| 57 | Radiation-induced surface modification of silanized silica with n-alkyl-imidazolium ionic liquids and their applications for the removal of ReO_4^- as an analogue for TcO_4^- . <i>Applied Surface Science</i> , 2021, 551, 149406. | 3.1 | 33 |
| 58 | 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. | 1.9 | 6 |
| 59 | Theoretical Insights into the Reduction Mechanism of Np(VI) with Phenylhydrazine. <i>Journal of Physical Chemistry A</i> , 2021, 125, 6180-6188. | 1.1 | 5 |
| 60 | Theoretical Insights into Transplutonium Element Separation with Electronically Modulated Phenanthroline-Derived Bis-Triazine Ligands. <i>Inorganic Chemistry</i> , 2021, 60, 10267-10279. | 1.9 | 14 |
| 61 | 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. | 1.9 | 12 |
| 62 | Competitive Coordination of Chloride and Fluoride Anions Towards Trivalent Lanthanide Cations (La^{3+} and Nd^{3+}) in Molten Salts. <i>Chemistry - A European Journal</i> , 2021, 27, 11721-11729. | 1.7 | 16 |
| 63 | Stepwise Assembly of a Multicomponent Heterometallic Metal-Organic Framework via Th_6 -Based Metalloligands. <i>Inorganic Chemistry</i> , 2021, 60, 14535-14539. | 1.9 | 7 |
| 64 | 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. | 1.9 | 22 |
| 65 | Hydrolytically stable foamed HKUST-1@CMC composites realize high-efficient separation of U(VI). <i>IScience</i> , 2021, 24, 102982. | 1.9 | 9 |
| 66 | Ultrahigh Affinity and Selectivity Nanotraps for Uranium Extraction from Seawater. <i>ACS Central Science</i> , 2021, 7, 1602-1604. | 5.3 | 9 |
| 67 | Photocatalytic reduction of uranium(VI) under visible light with 2D/1D Ti ₃ C ₂ /CdS. <i>Chemical Engineering Journal</i> , 2021, 420, 129831. | 6.6 | 64 |
| 68 | In-situ anodic precipitation process for highly efficient separation of aluminum alloys. <i>Nature Communications</i> , 2021, 12, 5777. | 5.8 | 36 |
| 69 | The dendrite growth, morphology control and deposition properties of uranium electrorefining. <i>Journal of Nuclear Materials</i> , 2021, 555, 153110. | 1.3 | 14 |
| 70 | 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. | 3.9 | 17 |
| 71 | Enhancing the $\text{Am}^{3+}/\text{Cm}^{3+}$ 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. | 1.6 | 13 |
| 72 | High-Temperature Synthesis of a Uranyl Peroxo Complex Facilitated by Hydrothermally In Situ Formed Organic Peroxide. <i>Inorganic Chemistry</i> , 2021, 60, 2133-2137. | 1.9 | 5 |

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|----|---|-----|-----------|
| 73 | 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. | 1.9 | 40 |
| 74 | Theoretical insights into the possible applications of amidoxime-based adsorbents in neptunium and plutonium separation. <i>Dalton Transactions</i> , 2021, 50, 15576-15584. | 1.6 | 5 |
| 75 | Theoretical Insights into the Separation of Am(III)/Eu(III) by Hydrophilic Sulfonated Ligands. <i>Inorganic Chemistry</i> , 2021, 60, 16409-16419. | 1.9 | 13 |
| 76 | Thorium(IV) adsorption onto multilayered Ti ₃ C ₂ T _x MXene: a batch, X-ray diffraction and EXAFS combined study. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1709-1719. | 1.0 | 4 |
| 77 | Theoretical probing of twenty-coordinate actinide-centered boron molecular drums. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26967-26973. | 1.3 | 8 |
| 78 | 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. | 1.0 | 8 |
| 79 | Selective Separation of Am(III)/Eu(III) by the QL-DAPhen Ligand under High Acidity: Extraction, Spectroscopy, and Theoretical Calculations. <i>Inorganic Chemistry</i> , 2021, 60, 19110-19119. | 1.9 | 21 |
| 80 | Recent Progress on Chemical Species of Uranium in Molten Chlorides. <i>Acta Chimica Sinica</i> , 2021, 79, 1425. | 0.5 | 2 |
| 81 | Hexadecylpyridinium (HDPy) modified bentonite for efficient and selective removal of ⁹⁹ Tc from wastewater. <i>Chemical Engineering Journal</i> , 2020, 382, 122894. | 6.6 | 35 |
| 82 | A new family of actinide sorbents with more open porous structure: Fibrous functionalized silica microspheres. <i>Chemical Engineering Journal</i> , 2020, 385, 123892. | 6.6 | 20 |
| 83 | A mixed-ligand strategy regulates thorium-based MOFs. <i>Dalton Transactions</i> , 2020, 49, 983-987. | 1.6 | 39 |
| 84 | Noncomplexed Cucurbituril-Mediated Structural Evolution of Layered Uranyl Terephthalate Compounds. <i>Inorganic Chemistry</i> , 2020, 59, 943-955. | 1.9 | 8 |
| 85 | 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. | 2.3 | 12 |
| 86 | 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. | 0.5 | 11 |
| 87 | Complexation of trivalent lanthanides and actinides with diethylenetriaminepentaacetic acid: Theoretical unraveling of bond covalency. <i>Journal of Molecular Liquids</i> , 2020, 299, 112174. | 2.3 | 18 |
| 88 | Visible-Light-Enabled C-H Functionalization by a Direct Hydrogen Atom Transfer Uranyl Photocatalyst. <i>Chemistry - A European Journal</i> , 2020, 26, 16521-16529. | 1.7 | 35 |
| 89 | Radiation Controllable Synthesis of Robust Covalent Organic Framework Conjugates for Efficient Dynamic Column Extraction of ⁹⁹ TcO ₄ ²⁻ . <i>CheM</i> , 2020, 6, 2796-2809. | 5.8 | 103 |
| 90 | Electronic structures and bonding of the actinide halides An(TRENTIPS)X (An = Th, Pu; X = F, I): a theoretical perspective. <i>Dalton Transactions</i> , 2020, 49, 15895-15902. | 1.6 | 13 |

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|-----|---|-----|-----------|
| 91 | 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. | 1.3 | 14 |
| 92 | A New Preorganized Metalloligand Linker for the Construction of Luminescent Coordination Polymers. <i>Crystal Growth and Design</i> , 2020, 20, 6966-6972. | 1.4 | 9 |
| 93 | Theoretical Prediction of the Potential Applications of Phenanthroline Derivatives in Separation of Transplutonium Elements. <i>Inorganic Chemistry</i> , 2020, 59, 11469-11480. | 1.9 | 28 |
| 94 | 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. | 7.2 | 71 |
| 95 | Solar-Driven Nitrogen Fixation Catalyzed by Stable Radical-Containing MOFs: Improved Efficiency Induced by a Structural Transformation. <i>Angewandte Chemie</i> , 2020, 132, 20847-20852. | 1.6 | 46 |
| 96 | Actinide Separation Inspired by Self-Assembled Metal-Polyphenolic Nanocages. <i>Journal of the American Chemical Society</i> , 2020, 142, 16538-16545. | 6.6 | 56 |
| 97 | 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. | 1.9 | 17 |
| 98 | 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. | 1.1 | 13 |
| 99 | Molecular Spring-Like Triple-Helix Coordination Polymers as Dual-Stress and Thermally Responsive Crystalline Metal-Organic Materials. <i>Angewandte Chemie</i> , 2020, 132, 16195-16202. | 1.6 | 4 |
| 100 | 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. | 2.6 | 23 |
| 101 | Enhanced photocatalytic reduction of aqueous Re(VII) in ambient air by amorphous TiO ₂ /g-C ₃ N ₄ photocatalysts: Implications for Tc(VII) elimination. <i>Chemical Engineering Journal</i> , 2020, 401, 125977. | 6.6 | 48 |
| 102 | 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. | 4.0 | 115 |
| 103 | Kinked-Helix Actinide Polyrotaxanes from Weakly Bound Pseudorotaxane Linkers with Variable Conformations. <i>Inorganic Chemistry</i> , 2020, 59, 4058-4067. | 1.9 | 12 |
| 104 | Performance and Mechanism for the Selective Separation of Trivalent Americium from Lanthanides by a Tetradentate Phenanthroline Ligand in Ionic Liquid. <i>Inorganic Chemistry</i> , 2020, 59, 3905-3911. | 1.9 | 31 |
| 105 | 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. | 1.3 | 11 |
| 106 | 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. | 1.6 | 33 |
| 107 | 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. | 4.0 | 48 |
| 108 | Layered structure-based materials: challenges and opportunities for radionuclide sequestration. <i>Environmental Science: Nano</i> , 2020, 7, 724-752. | 2.2 | 44 |

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|-----|---|------|-----------|
| 109 | 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. | 1.9 | 23 |
| 110 | Radiation-Induced Self-Assembly of Ti_3C_2Tx with Improved Electrochemical Performance for Supercapacitor. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901839. | 1.9 | 16 |
| 111 | Photocatalytic reduction of uranium(VI) by magnetic $ZnFe_2O_4$ under visible light. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118688. | 10.8 | 170 |
| 112 | Theoretical Study on the Reduction Mechanism of Np(VI) by Hydrazine Derivatives. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3720-3729. | 1.1 | 6 |
| 113 | Effective removal of U(VI) and Eu(III) by carboxyl functionalized MXene nanosheets. <i>Journal of Hazardous Materials</i> , 2020, 396, 122731. | 6.5 | 166 |
| 114 | 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. | 7.2 | 39 |
| 115 | Thermodynamics and Kinetics Properties of Lanthanides (La, Ce, Pr, Nd) on Liquid Bismuth Electrode in LiCl-KCl Molten Salt. <i>Journal of the Electrochemical Society</i> , 2020, 167, 122507. | 1.3 | 29 |
| 116 | Electrochemical Deposition of Erbium on a Binary Al-Zn Cathode. <i>Journal of the Electrochemical Society</i> , 2019, 166, D569-D576. | 1.3 | 9 |
| 117 | Efficient Photocatalytic Reduction of Aqueous Perrhenate and Pertechnetate. <i>Environmental Science & Technology</i> , 2019, 53, 10917-10925. | 4.6 | 32 |
| 118 | Interactions of phosphorylated cyclohexapeptides with uranyl: insights from experiments and theoretical calculations. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 677-689. | 0.7 | 3 |
| 119 | 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. | 1.9 | 41 |
| 120 | Electrochemical behavior of Th(IV) on the bismuth electrode in LiCl-KCl eutectic. <i>Journal of Nuclear Materials</i> , 2019, 523, 268-275. | 1.3 | 18 |
| 121 | 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. | 2.6 | 25 |
| 122 | Theoretical Insights into the Selective Extraction of Americium(III) over Europium(III) with Dithioamide-Based Ligands. <i>Inorganic Chemistry</i> , 2019, 58, 10047-10056. | 1.9 | 48 |
| 123 | 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. | 0.7 | 11 |
| 124 | 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. | 2.6 | 20 |
| 125 | Electrochemical Behaviors of Eu (III) on the Liquid Binary Al-Ga Alloy Cathode. <i>Journal of the Electrochemical Society</i> , 2019, 166, D882-D889. | 1.3 | 9 |
| 126 | The Application of Low-Melting LiCl-KCl-CsCl Eutectic to Electrodeposit Uranium Metal. <i>Journal of the Electrochemical Society</i> , 2019, 166, D606-D616. | 1.3 | 17 |

| # | ARTICLE | IF | CITATIONS |
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