

Environmental Speciation of Actinides

Inorganic Chemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis and Structural Characterization of Hydrolysis Products within the Uranyl Iminodiacetate and Malate Systems. <i>Inorganic Chemistry</i> , 2013, 52, 10191-10198.	1.9	21
2	Mineralâ€“Water Interface Reactions of Actinides. <i>Chemical Reviews</i> , 2013, 113, 1016-1062.	23.0	271
3	Synthesis, Structures, and Luminescent Properties of Uranyl Terpyridine Aromatic Carboxylate Coordination Polymers. <i>Inorganic Chemistry</i> , 2013, 52, 2060-2069.	1.9	73
4	Cr(VI) Trioxide as a Starting Material for the Synthesis of Novel Zero-, One-, and Two-Dimensional Uranyl Dichromates and Chromate-Dichromates. <i>Inorganic Chemistry</i> , 2013, 52, 4729-4735.	1.9	26
5	BIOLOGICAL EFFECTS ON THE SOURCE OF GEONEUTRINOS. <i>International Journal of Modern Physics A</i> , 2013, 28, 1330047.	0.5	9
7	Uranium. , 2013, , .		0
8	Electron transport in pure and substituted iron oxyhydroxides by small-polaron migration. <i>Journal of Chemical Physics</i> , 2014, 140, 234701.	1.2	43
9	Exploring Actinide Materials Through Synchrotron Radiation Techniques. <i>Advanced Materials</i> , 2014, 26, 7807-7848.	11.1	89
10	Uranium isotopes in soils as a proxy for past infiltration and precipitation across the western United States. <i>Numerische Mathematik</i> , 2014, 314, 821-857.	0.7	30
11	Increase in rare earth element concentrations controlled by dissolved organic matter in river water during rainfall events in a temperate, small forested catchment. <i>Journal of Nuclear Science and Technology</i> , 2014, , 1-16.	0.7	1
12	High quality epitaxial thin films of actinide oxides, carbides, and nitrides: Advancing understanding of electronic structure of f-element materials. <i>Coordination Chemistry Reviews</i> , 2014, 266-267, 137-154.	9.5	45
13	Uranium endowments in phosphate rock. <i>Science of the Total Environment</i> , 2014, 478, 226-234.	3.9	40
14	Redox and environmentally relevant aspects of actinide(IV) coordination chemistry. <i>Coordination Chemistry Reviews</i> , 2014, 266-267, 171-193.	9.5	81
15	Colloid-borne forms of tetravalent actinides: A brief review. <i>Journal of Contaminant Hydrology</i> , 2014, 157, 87-105.	1.6	71
16	Uranium Incorporation into Amorphous Silica. <i>Environmental Science & Technology</i> , 2014, 48, 8636-8644.	4.6	35
17	Solution Speciation of Plutonium and Americium at an Australian Legacy Radioactive Waste Disposal Site. <i>Environmental Science & Technology</i> , 2014, 48, 10045-10053.	4.6	25
18	Analytical approaches to the speciation of lanthanides at solid-water interfaces. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 61, 107-132.	5.8	66
19	Kinetic Studies of the [NpO ₂ (CO ₃) ₃] ⁴⁻ Ion at Alkaline Conditions Using ¹³ C NMR. <i>Inorganic Chemistry</i> , 2014, 53, 4202-4208.	1.9	7

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20	The biogeochemistry and bioremediation of uranium and other priority radionuclides. <i>Chemical Geology</i> , 2014, 363, 164-184.	1.4	378
21	Mesoporous silica SBA-15 functionalized with phosphonate derivatives for uranium uptake. <i>New Journal of Chemistry</i> , 2014, 38, 3853-3861.	1.4	49
22	Investigating uranium distribution in surface sediments and waters: a case study of contamination from the Juniper Uranium Mine, Stanislaus National Forest, CA. <i>Journal of Environmental Radioactivity</i> , 2014, 136, 85-97.	0.9	27
23	Speciation and Bioavailability Measurements of Environmental Plutonium Using Diffusion in Thin Films. <i>Journal of Visualized Experiments</i> , 2015, , e53188.	0.2	5
24	Characterization of Quinoxolinol Salen Ligands as Selective Ligands for Chemosensors for Uranium. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5708-5714.	1.0	21
25	Long-term storage of spent nuclear fuel. <i>Nature Materials</i> , 2015, 14, 252-257.	13.3	330
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27	Speciation of americium in seawater and accumulation in the marine sponge <i>Aplysina cavernicola</i> . <i>Dalton Transactions</i> , 2015, 44, 20584-20596.	1.6	24
28	Formation of Neptunium(IV)â€“Silica Colloids at Near-Neutral and Slightly Alkaline pH. <i>Environmental Science & Technology</i> , 2015, 49, 665-671.	4.6	17
29	Trace-level plutonium(IV) polymer stability and its transport in coarse-grained granites. <i>Chemical Geology</i> , 2015, 398, 1-10.	1.4	8
30	Insights into transport velocity of colloid-associated plutonium relative to tritium in porous media. <i>Scientific Reports</i> , 2014, 4, 5037.	1.6	11
31	Incorporation of Np(V) and U(VI) in carbonate and sulfate minerals crystallized from aqueous solution. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 151, 133-149.	1.6	21
32	Uranium migration and retention during weathering of a granitic waste rock pile. <i>Applied Geochemistry</i> , 2015, 58, 123-135.	1.4	34
33	Assessment of co-contaminant effects on uranium and thorium speciation in freshwater using geochemical modelling. <i>Journal of Environmental Radioactivity</i> , 2015, 149, 99-109.	0.9	13
34	Natural Uranium Contamination in Major U.S. Aquifers Linked to Nitrate. <i>Environmental Science and Technology Letters</i> , 2015, 2, 215-220.	3.9	194
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38	Unexpected Actinyl Cation-Directed Structural Variation in Neptunyl(VI) A-Type Tri-lacunary Heteropolyoxotungstate Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 4192-4199.	1.9	14
39	Oxidizing dissolution mechanism of an irradiated MOX fuel in underwater aerated conditions at slightly acidic pH. <i>Journal of Nuclear Materials</i> , 2015, 462, 230-241.	1.3	15
40	Isotopic and Geochemical Tracers for U(VI) Reduction and U Mobility at an in Situ Recovery U Mine. <i>Environmental Science & Technology</i> , 2015, 49, 5939-5947.	4.6	47
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47	Structural characterization of environmentally relevant ternary uranyl citrate complexes present in aqueous solutions and solid state materials. <i>Dalton Transactions</i> , 2015, 44, 2597-2605.	1.6	20
48	Solar conversion of seawater uranium (VI) using TiO ₂ electrodes. <i>Applied Catalysis B: Environmental</i> , 2015, 163, 584-590.	10.8	87
49	Policy: Reassess New Mexico's nuclear-waste repository. <i>Nature</i> , 2016, 529, 149-151.	13.7	14
50	Chemical speciation of U, Fe, and Pu in melt glass from nuclear weapons testing. <i>Journal of Applied Physics</i> , 2016, 119, 195102.	1.1	10
51	Uranium in groundwater of the Al-Batin Alluvial Fan aquifer, south Iraq. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	16
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53	Effect of pH and Pressure on Uranium Removal from Drinking Water Using NF/RO Membranes. <i>Environmental Science & Technology</i> , 2016, 50, 5817-5824.	4.6	41
54	Se Isotopes as Groundwater Redox Indicators: Detecting Natural Attenuation of Se at an in Situ Recovery U Mine. <i>Environmental Science & Technology</i> , 2016, 50, 10833-10842.	4.6	13
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57	Effect of different complexing ligands on europium uptake from aqueous phase by kaolinite: batch sorption and fluorescence studies. RSC Advances, 2016, 6, 84464-84471.	1.7	8
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75	Synthesis, Structures, and Proton Self-Exchange Reaction of $\frac{1}{4}$ -Oxido/Hydroxido Bridged Trinuclear Uranyl(VI) Complexes with Tridentate Schiff-Base Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 4057-4064.	1.9	14
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77	Uranium mobility and accumulation along the Rio Paguete, Jackpile Mine in Laguna Pueblo, NM. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 605-621.	1.7	39
78	Experimental and Theoretical Approaches to Three Uranyl Coordination Polymers Constructed by Phthalic Acid and N,N ϵ ² -Donor Bridging Ligands: Crystal Structures, Luminescence, and Photocatalytic Degradation of Tetracycline Hydrochloride. <i>Crystal Growth and Design</i> , 2017, 17, 2147-2157.	1.4	51
79	The influence of citrate and oxalate on ⁹⁹ Tc(VII), Cs, Np(V) and U(VI) sorption to a Savannah River Site soil. <i>Journal of Environmental Radioactivity</i> , 2017, 172, 130-142.	0.9	10
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82	Mechanistic and thermodynamic aspects of Cs(I) and Sr(II) interactions with smectite-rich natural clay. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	12
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95	Transuranic Hybrid Materials: Crystallographic and Computational Metrics of Supramolecular Assembly. <i>Journal of the American Chemical Society</i> , 2017, 139, 10843-10855.	6.6	58
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110	Focus on speciation assessment in marine radiochemistry using X-ray absorption spectroscopy. <i>New Journal of Chemistry</i> , 2018, 42, 7582-7591.	1.4	3
111	Actinide Speciation in Environment and Their Separation Using Functionalized Nanomaterials and Nanocomposites. , 2018, , 1-47.		3
112	Sulfidation mechanisms of Fe(III)-(oxyhydr)oxide nanoparticles: a spectroscopic study. <i>Environmental Science: Nano</i> , 2018, 5, 1012-1026.	2.2	43

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114	Redox Processes in Solid-State Uranyl (Oxy)hydroxide Minerals. <i>ChemElectroChem</i> , 2018, 5, 958-963.	1.7	3
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120	Uranium Retention in a Bioreduced Region of an Alluvial Aquifer Induced by the Influx of Dissolved Oxygen. <i>Environmental Science & Technology</i> , 2018, 52, 8133-8145.	4.6	16
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123	Uranium isotope fractionation by abiotic reductive precipitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8688-8693.	3.3	76
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127	From Thorium to Plutonium: Trends in Actinide(IV) Chloride Structural Chemistry. <i>Inorganic Chemistry</i> , 2019, 58, 10578-10591.	1.9	17
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139	A general study of actinyl hydration by molecular dynamics simulations using <i>ab initio</i> force fields. <i>Journal of Chemical Physics</i> , 2019, 150, 104504.	1.2	13
140	Interdisciplinary Round-Robin Test on Molecular Spectroscopy of the U(VI) Acetate System. <i>ACS Omega</i> , 2019, 4, 8167-8177.	1.6	5
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143	Bipyridine-Directed Syntheses of Uranyl Compounds Containing Semirigid Dicarboxylate Linkers: Diversity and Consistency in Uranyl Speciation. <i>Inorganic Chemistry</i> , 2019, 58, 6934-6945.	1.9	22
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