Peter Burns

List of Publications by Year
in descending order

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431	14,675	25014	40954
papers	citations	57	93
		h-index	g-index

497	497	497	5296
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	U6+ MINERALS AND INORGANIC COMPOUNDS: INSIGHTS INTO AN EXPANDED STRUCTURAL HIERARCHY OF CRYSTAL STRUCTURES. Canadian Mineralogist, 2005, 43, 1839-1894.	0.3	571
2	Nuclear Fuel in a Reactor Accident. Science, 2012, 335, 1184-1188.	6.0	417
3	Clusters of Actinides with Oxide, Peroxide, or Hydroxide Bridges. Chemical Reviews, 2013, 113, 1097-1120.	23.0	293
4	A comprehensive comparison of transition-metal and actinyl polyoxometalates. Chemical Society Reviews, 2012, 41, 7354.	18.7	289
5	Actinyl Peroxide Nanospheres. Angewandte Chemie - International Edition, 2005, 44, 2135-2139.	7.2	255
6	The Crystal Chemistry of Sulfate Minerals. Reviews in Mineralogy and Geochemistry, 2000, 40, 1-112.	2.2	229
7	Stability of Peroxide-Containing Uranyl Minerals. Science, 2003, 302, 1191-1193.	6.0	202
8	Review of uranyl mineral solubility measurements. Journal of Chemical Thermodynamics, 2008, 40, 335-352.	1.0	199
9	Incorporation mechanisms of actinide elements into the structures of U6+ phases formed during the oxidation of spent nuclear fuel. Journal of Nuclear Materials, 1997, 245, 1-9.	1.3	197
10	The Structure of the Plutonium Oxide Nanocluster [Pu₃₈O₅₆Cl₅₄(H₂O)₈]^{14â^'}. Angewandte Chemie - International Edition, 2008, 47, 298-302.	7.2	179
11	Symmetry versus Minimal Pentagonal Adjacencies in Uraniumâ€Based Polyoxometalate Fullerene Topologies. Angewandte Chemie - International Edition, 2009, 48, 2737-2740.	7.2	153
12	Studtite, [(UO₂)(O₂)(H₂O)₂](H₂O)₂: The first structure of a peroxide mineral. American Mineralogist, 2003, 88, 1165-1168.	0.9	150
13	A Revised and Expanded Structure Hierarchy of Natural and Synthetic Hexavalent Uranium Compounds. Canadian Mineralogist, 2016, 54, 177-283.	0.3	136
14	2. The Crystal Chemistry of Uranium. , 1999, , 23-90.		132
15	Uranyl peroxide enhanced nuclear fuel corrosion in seawater. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1874-1877.	3.3	126
16	Rare-earth elements in synthetic zircon: Part 2. A single-crystal X-ray study of xenotime substitution. American Mineralogist, 2001, 86, 681-689.	0.9	119
17	Uranylâ^'Peroxide Interactions Favor Nanocluster Self-Assembly. Journal of the American Chemical Society, 2009, 131, 16648-16649.	6.6	118
18	Wyartite; crystallographic evidence for the first pentavalent-uranium mineral. American Mineralogist, 1999, 84, 1456-1460.	0.9	117

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19	79Se: geochemical and crystallo-chemical retardation mechanisms. Journal of Nuclear Materials, 1999, 275, 81-94.	1.3	113
20	CRYSTAL STRUCTURES AND SYNTHESIS OF THE COPPER-DOMINANT MEMBERS OF THE AUTUNITE AND META-AUTUNITE GROUPS: TORBERNITE, ZEUNERITE, METATORBERNITE AND METAZEUNERITE. Canadian Mineralogist, 2003, 41, 489-502.	0.3	107
21	Uranium Pyrophosphate/Methylenediphosphonate Polyoxometalate Cage Clusters. Journal of the American Chemical Society, 2010, 132, 13395-13402.	6.6	107
22	Neptunium incorporation into uranyl compounds that form as alteration products of spent nuclear fuel: Implications for geologic repository performance. Radiochimica Acta, 2004, 92, .	0.5	104
23	Understanding the Structure and Formation of Uranyl Peroxide Nanoclusters by Quantum Chemical Calculations. Journal of the American Chemical Society, 2010, 132, 14503-14508.	6.6	98
24	The crystal structure of synthetic autunite, Ca[(UO₂)(PO₄)]₂(H₂O)₁₁. American Mineralogist, 2003, 88, 240-244.	0.9	96
25	KNa3(UO2)2(Si4O10)2(H2O)4, a new compound formed during vapor hydration of an actinide-bearing borosilicate waste glass. Journal of Nuclear Materials, 2000, 278, 290-300.	1.3	93
26	Syntheses and Crystal Structures of Two Topologically Related Modifications of Cs2[(UO2)2(MoO4)3]. Inorganic Chemistry, 2002, 41, 34-39.	1.9	90
27	Allabogdanite, (Fe,Ni)₂P, a new mineral from the Onello meteorite: The occurrence and crystal structure. American Mineralogist, 2002, 87, 1245-1249.	0.9	86
28	Metalâ€“Oxygen Isopolyhedra Assembled into Fullerene Topologies. Angewandte Chemie - International Edition, 2008, 47, 2824-2827.	7.2	86
29	The Crystal Structure of Triuranyl Diphosphate Tetrahydrate. Journal of Solid State Chemistry, 2002, 163, 275-280.	1.4	85
30	Hybrid Uraniumâ€“Oxalate Fullerene Topology Cage Clusters. Angewandte Chemie - International Edition, 2010, 49, 7271-7273.	7.2	85
31	The crystal structure of ianthinite, [U24+(UO2)4O6(OH)4(H2O)4](H2O)5: a possible phase for Pu4+ incorporation during the oxidation of spent nuclear fuel. Journal of Nuclear Materials, 1997, 249, 199-206.	1.3	84
32	Solubility measurements of the uranyl oxide hydrate phases metaschoepite, compreignacite, Naâ€“compreignacite, becquerelite, and clarkeite. Journal of Chemical Thermodynamics, 2008, 40, 980-990.	1.0	84
33	THE CRYSTAL CHEMISTRY OF THE ZIPPEITE GROUP. Canadian Mineralogist, 2003, 41, 687-706.	0.3	84
34	Thermodynamic Properties of Autunite, Uranyl Hydrogen Phosphate, and Uranyl Orthophosphate from Solubility and Calorimetric Measurements. Environmental Science & Technology, 2009, 43, 7416-7422.	4.6	82
35	Structures of Dimeric Hydrolysis Products of Thorium. Inorganic Chemistry, 2007, 46, 2368-2372.	1.9	81
36	Nanoscale uranium-based cage clusters inspired by uranium mineralogy. Mineralogical Magazine, 2011, 75, 1-25.	0.6	79

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37	Thermodynamic properties, low-temperature heat-capacity anomalies, and single-crystal X-ray refinement of hydronium jarosite, (H3O)Fe3(SO4)2(OH)6. Physics and Chemistry of Minerals, 2004, 31, 518-531.	0.3	78
38	Structure of the Homoleptic Thorium(IV) Aqua Ion [Th(H₂O)₁₀]Br₄. Angewandte Chemie - International Edition, 2007, 46, 8043-8045.	7.2	78
39	Contribution to the mineralogy of acid drainage of Uranium minerals: Marecottite and the zippeite-group. American Mineralogist, 2003, 88, 676-685.	0.9	77
40	Captivation with encapsulation: a dozen years of exploring uranyl peroxide capsules. Dalton Transactions, 2018, 47, 5916-5927.	1.6	76
41	Thermodynamics of formation of coffinite, USiO ₄. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6551-6555.	3.3	72
42	NEPTUNYL COMPOUNDS: POLYHEDRON GEOMETRIES, BOND-VALENCE PARAMETERS, AND STRUCTURAL HIERARCHY. Canadian Mineralogist, 2008, 46, 1623-1645.	0.3	71
43	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. III. NEW STRUCTURAL THEMES IN Na6[(UO2)2O(MoO4)4], Na6[(UO2)(MoO4)4] AND K6[(UO2)2O(MoO4)4]. Canadian Mineralogist, 2001, 39, 197-206.	0.3	69
44	Synthesis, Structural Characterization, and Topological Rearrangement of a Novel Open Framework Uâ‚O Material:Â (NH4)3(H2O)2{[(UO2)10O10(OH)][(UO4)(H2O)2]}. Chemistry of Materials, 2001, 13, 4026-4031.	3.2	68
45	Crystal Chemistry of Rubidium Uranyl Molybdates: Crystal Structures of Rb6[(UO2)(MoO4)4], Rb6[(UO2)2O(MoO4)4], Rb2[(UO2)(MoO4)2], Rb2[(UO2)2(MoO4)3] and Rb2[(UO2)6(MoO4)7(H2O)2]. Journal of Solid State Chemistry, 2002, 168, 245-258.	1.4	68
46	A Novel Open Framework Uranyl Molybdate:Â Synthesis and Structure of (NH4)4[(UO2)5(MoO4)7](H2O)5. Inorganic Chemistry, 2003, 42, 2459-2464.	1.9	68
47	Synthesis, Structure, and Magnetism of Np2O5. Journal of the American Chemical Society, 2007, 129, 2760-2761.	6.6	68
48	The structures of becquerelite and Sr-exchanged becquerelite. American Mineralogist, 2002, 87, 550-557.	0.9	67
49	Cs boltwoodite obtained by ion exchange from single crystals: Implications for radionuclide release in a nuclear repository. Journal of Nuclear Materials, 1999, 265, 218-223.	1.3	65
50	Combinatorial topology of uranyl molybdate sheets: syntheses and crystal structures of (C6H14N2)3[(UO2)5(MoO4)8](H2O)4 and (C2H10N2)[(UO2)(MoO4)2]. Journal of Solid State Chemistry, 2003, 170, 106-117.	1.4	65
51	Rapid Self-Assembly of Uranyl Polyhedra into Crown Clusters. Journal of the American Chemical Society, 2011, 133, 9137-9139.	6.6	62
52	Uranyl Peroxide Oxalate Cage and Coreâ€“Shell Clusters Containing 50 and 120 Uranyl Ions. Inorganic Chemistry, 2012, 51, 2403-2408.	1.9	62
53	Crystal chemistry of basic lead carbonates. II. Crystal structure of synthetic â€˜plumbonacriteâ€™. Mineralogical Magazine, 2000, 64, 1069-1075.	0.6	61
54	Building Unit and Topological Evolution in the Hydrothermal DABCOâ‚Uâ‚F System. Inorganic Chemistry, 2001, 40, 1347-1351.	1.9	61

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55	Crystal Structures of Three Framework Alkali Metal Uranyl Phosphate Hydrates. Journal of Solid State Chemistry, 2002, 167, 226-236.	1.4	59
56	Structural topology of potassium uranyl chromates: crystal structures of K8[(UO2)(CrO4)4](NO3)2, K5[(UO2)(CrO4)3](NO3)(H2O)3, K4[(UO2)3(CrO4)5](H2O)8 and K2[(UO2)2(CrO4)3(H2O)2](H2O)4. Zeitschrift Fur Kristallographie - Crystalline Materials, 2003, 218, .	0.4	58
57	Report from the third workshop on future directions of solid-state chemistry: The status of solid-state chemistry and its impact in the physical sciences. Progress in Solid State Chemistry, 2008, 36, 1-133.	3.9	58
58	Time-Resolved Self-Assembly of a Fullerene-Topology Coreâ€“Shell Cluster Containing 68 Uranyl Polyhedra. Journal of the American Chemical Society, 2012, 134, 1810-1816.	6.6	58
59	Trace element and U isotope analysis of uraninite and ore concentrate: Applications for nuclear forensic investigations. Applied Geochemistry, 2017, 84, 277-285.	1.4	58
60	Near-field behavior of 99Tc during the oxidative alteration of spent nuclear fuel. Journal of Nuclear Materials, 2000, 278, 225-232.	1.3	57
61	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. V. TOPOLOGICALLY DISTINCT URANYL DIMOLYBDATE SHEETS IN THE STRUCTURES OF Na2[(UO2)(MoO4)2] AND K2[(UO2)(MoO4)2](H2O). Canadian Mineralogist, 2002, 40, 193-200.	0.3	57
62	Cationâ"Cation Interactions in Sr5(UO2)2O(UO6)2O16(OH)6(H2O)6 and Cs(UO2)9U3O16(OH)5. Inorganic Chemistry, 2006, 45, 10277-10281.	1.9	57
63	Crown and Bowl-Shaped Clusters of Uranyl Polyhedra. Inorganic Chemistry, 2009, 48, 10907-10909.	1.9	57
64	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. IV. THE STRUCTURES OF M2[(UO2)6(MoO4)7(H2O)2] (M =) Tj ETQq0 0 0 rgBT /Overl	0.3	56
65	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. VIII. CRYSTAL STRUCTURES OF Na3Tl3[(UO2)(MoO4)4], Na13-xTl3+x[(UO2)(MoO4)3]4(H2O)6+x (x = 0.1), Na3Tl5[(UO2)(MoO4)3]2(H2O)3 AND Na2[(UO2)(MoO4)2](H2O)4. Canadian Mineralogist, 2003, 41, 707-719.	0.3	55
66	Crystal chemistry of lead oxide phosphates: crystal structures of Pb4O(PO4)2, Pb8O5(PO4)2 and Pb10(PO4)6O. Zeitschrift Fur Kristallographie - Crystalline Materials, 2003, 218, .	0.4	55
67	Revised Tl(I)â€“O bond valence parameters and the structures of thallous dichromate and thallous uranyl phosphate hydrate. Zeitschrift Fur Kristallographie - Crystalline Materials, 2004, 219, .	0.4	55
68	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. I. THE STRUCTURE AND FORMULA OF UMOHOITE. Canadian Mineralogist, 2000, 38, 717-726.	0.3	54
69	MONOVALENT CATIONS IN STRUCTURES OF THE META-AUTUNITE GROUP. Canadian Mineralogist, 2004, 42, 973-996.	0.3	54
70	Chiral open-framework uranyl molybdates. 1. Topological diversity: synthesis and crystal structure of [(C2H5)2NH2]2[(UO2)4(MoO4)5(H2O)](H2O). Microporous and Mesoporous Materials, 2005, 78, 209-215.	2.2	54
71	Crystal Structures and Magnetic Properties of NaK3(NpO2)4(SO4)4(H2O)2and NaNpO2SO4H2O:Â Cationâ"Cation Interactions in a Neptunyl Sulfate Framework. Chemistry of Materials, 2006, 18, 1643-1649.	3.2	54
72	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. VI. NEW URANYL MOLYBDATE UNITS IN THE STRUCTURES OF Cs4[(UO2)3O(MoO4)2(MoO5)] AND Cs6[(UO2)(MoO4)4]. Canadian Mineralogist, 2002, 40, 201-209.	0.3	54

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73	A RE-EVALUATION OF THE STRUCTURE OF WEEKSITE, A URANYL SILICATE FRAMEWORK MINERAL. Canadian Mineralogist, 2001, 39, 187-195.	0.3	53
74	A Novel Uranyl Sulfate Cluster in the Structure of Na6(UO2)(SO4)4(H2O)2. Journal of Solid State Chemistry, 2002, 163, 313-318.	1.4	53
75	Crystal chemistry of lead oxide chlorides. I. Crystal structures of synthetic mendipite, Pb3O2Cl2, and synthetic damaraite, Pb3O2(OH)Cl. European Journal of Mineralogy, 2001, 13, 801-809.	0.4	52
76	The structures of two sodium uranyl compounds relevant to nuclear waste disposal. Journal of Nuclear Materials, 2001, 299, 219-226.	1.3	52
77	Raman Spectroscopic and ESI-MS Characterization of Uranyl Peroxide Cage Clusters. Inorganic Chemistry, 2014, 53, 1562-1569.	1.9	52
78	Geometrical isomerism in uranyl chromates I. Crystal structures of (UO2)(CrO4)(H2O)2, [(UO2)(CrO4)(H2O)2](H2O) and [(UO2)(CrO4)(H2O)2]4(H2O)9. Zeitschrift Fur Kristallographie - Crystalline Materials, 2003, 218, .	0.4	51
79	An Unprecedented Uranyl Phosphate Framework in the Structure of [(UO2)3(PO4)O(OH)(H2O)2](H2O). Inorganic Chemistry, 2004, 43, 1816-1818.	1.9	51
80	Uranium Mineralogy and Neptunium Mobility. Elements, 2006, 2, 351-356.	0.5	51
81	Structure and Reactivity of X-ray Amorphous Uranyl Peroxide, U₂O₇. Inorganic Chemistry, 2016, 55, 3541-3546.	1.9	50
82	Description and classification of uranium oxide hydrate sheet anion topologies. Journal of Materials Research, 1996, 11, 3048-3056.	1.2	49
83	Crystal chemistry of basic lead carbonates. III. Crystal structures of Pb3O2(CO3) and NaPb2(OH)(CO3)2. Mineralogical Magazine, 2000, 64, 1077-1087.	0.6	49
84	Ultrafiltration of Uranyl Peroxide Nanoclusters for the Separation of Uranium from Aqueous Solution. ACS Applied Materials & Interfaces, 2014, 6, 473-479.	4.0	49
85	A NEW URANYL SULFATE CHAIN IN THE STRUCTURE OF URANOPILITE. Canadian Mineralogist, 2001, 39, 1139-1146.	0.3	48
86	Geometrical isomerism in uranyl chromates II. Crystal structures of Mg2[(UO2)3(CrO4)5](H2O)17 and Ca2[(UO2)3(CrO4)5](H2O)19. Zeitschrift Fur Kristallographie - Crystalline Materials, 2003, 218, .	0.4	48
87	Cerium(IV), Neptunium(IV), and Plutonium(IV) 1,2-Phenylenediphosphonates: Correlations and Differences between Early Transuranium Elements and Their Proposed Surrogates. Inorganic Chemistry, 2010, 49, 10074-10080.	1.9	48
88	Water-soluble multi-cage super tetrahedral uranyl peroxide phosphate clusters. Chemical Science, 2014, 5, 303-310.	3.7	48
89	A new uranyl oxide hydrate sheet in vandendriesscheite; implications for mineral paragenesis and the corrosion of spent nuclear fuel. American Mineralogist, 1997, 82, 1176-1186.	0.9	48
90	THE CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. II. THE CRYSTAL STRUCTURE OF IRIGINITE. Canadian Mineralogist, 2000, 38, 847-851.	0.3	47

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91	Crystal Chemistry of Lead Oxide Hydroxide Nitrates I. The Crystal Structure of [Pb6O4](OH)(NO3)(CO3). Journal of Solid State Chemistry, 2000, 153, 365-370.	1.4	47
92	Thermodynamic properties of soddyite from solubility and calorimetry measurements. Journal of Chemical Thermodynamics, 2007, 39, 568-575.	1.0	47
93	Neptunium incorporation in sodium-substituted metaschoepite. American Mineralogist, 2007, 92, 662-669.	0.9	46
94	Structures and syntheses of framework triuranyl diarsenate hydrates. Journal of Solid State Chemistry, 2003, 176, 18-26.	1.4	45
95	Uranyl peroxide closed clusters containing topological squares. Dalton Transactions, 2010, 39, 5807.	1.6	45
96	Expanding the Crystal Chemistry of Uranyl Peroxides:â€‰ Synthesis and Structures of Di- and Triperoxodioxouranium(VI) Complexes. Inorganic Chemistry, 2007, 46, 3657-3662.	1.9	44
97	U(VI) Uranyl Cationâ^'Cation Interactions in Framework Germanates. Inorganic Chemistry, 2011, 50, 2272-2277.	1.9	44
98	Tuning the thermal conductivity of solar cell polymers through side chain engineering. Physical Chemistry Chemical Physics, 2014, 16, 7764-7771.	1.3	44
99	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
100	Cation Templating and Electronic Structure Effects in Uranyl Cage Clusters Probed by the Isolation of Peroxide-Bridged Uranyl Dimers. Inorganic Chemistry, 2015, 54, 4445-4455.	1.9	44
101	A new uranyl phosphate chain in the structure of parsonsite. American Mineralogist, 2000, 85, 801-805.	0.9	43
102	Crystal Chemistry of Lead Oxide Hydroxide Nitrates. Journal of Solid State Chemistry, 2001, 158, 74-77.	1.4	43
103	Chiral open-framework uranyl molybdates. 3. Synthesis, structure and the C2221â†'P212121 low-temperature phase transition of [C6H16N]2[(UO2)6(MoO4)7(H2O)2](H2O)2. Microporous and Mesoporous Materials, 2005, 78, 225-234.	2.2	43
104	Thermodynamics of uranyl minerals: Enthalpies of formation of uranyl oxide hydrates. American Mineralogist, 2006, 91, 658-666.	0.9	43
105	Syntheses, structures, characterizations and charge-density matching of novel amino-templated uranyl selenates. Journal of Solid State Chemistry, 2009, 182, 402-408.	1.4	43
106	Complex Nanoscale Cage Clusters Built from Uranyl Polyhedra and Phosphate Tetrahedra. Inorganic Chemistry, 2011, 50, 5509-5516.	1.9	43
107	Photochemical Water Oxidation and Origin of Nonaqueous Uranyl Peroxide Complexes. Journal of the American Chemical Society, 2014, 136, 4797-4800.	6.6	43
108	Unprecedented Radiation Resistant Thoriumâ€“Binaphthol Metalâ€“Organic Framework. Journal of the American Chemical Society, 2020, 142, 13299-13304.	6.6	43

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109	Particular Topological Complexity of Lead Oxide Blocks in Pb31O22X18(X = Br, Cl). Inorganic Chemistry, 2006, 45, 3846-3848.	1.9	42
110	Cationâ"Cation Interactions and Antiferromagnetism in Na[Np(V)O2(OH)2]:â€‰ Synthesis, Structure, and Magnetic Properties. Chemistry of Materials, 2007, 19, 280-285.	3.2	42
111	A NEW URANYL SILICATE SHEET IN THE STRUCTURE OF HAIWEEITE AND COMPARISON TO OTHER URANYL SILICATES. Canadian Mineralogist, 2001, 39, 1153-1160.	0.3	41
112	The role of water in the structures of synthetic hallimondite, Pb2[(UO2)(AsO4)2](H2O)nand synthetic parsonsite, Pb2[(UO2)(PO4)2](H2O)n, 0 â‰¤nâ‰¤ 0.5. American Mineralogist, 2005, 90, 240-246.	0.9	41
113	Thermodynamic studies of studtite thermal decomposition pathways via amorphous intermediates UO3, U2O7, and UO4. Journal of Nuclear Materials, 2016, 478, 158-163.	1.3	41
114	Synthesis and Structure of Ag6[(UO2)3O(MoO4)5]:â€‰ A Novel Sheet of Triuranyl Clusters and MoO4 Tetrahedra. Inorganic Chemistry, 2002, 41, 4108-4110.	1.9	40
115	Copper(I) and Copper(II) Uranyl Heterometallic Hybrid Materials. Inorganic Chemistry, 2014, 53, 7993-7998.	1.9	40
116	Chemical and Sr isotopic characterization of North America uranium ores: Nuclear forensic applications. Applied Geochemistry, 2016, 74, 24-32.	1.4	40
117	A new complex sheet of uranyl polyhedra in the structure of wolsendorfite. American Mineralogist, 1999, 84, 1661-1673.	0.9	40
118	Structures and syntheses of layered and framework amine-bearing uranyl phosphate and uranyl arsenates. Journal of Solid State Chemistry, 2004, 177, 2675-2684.	1.4	39
119	Structures and syntheses of four Np5+ sulfate chain structures: Divergence from U6+ crystal chemistry. Journal of Solid State Chemistry, 2005, 178, 3445-3452.	1.4	39
120	Neptunium substitution in synthetic uranophane and soddyite. American Mineralogist, 2007, 92, 1946-1951.	0.9	39
121	Isotopic Fingerprinting of the Worldâ€™s First Nuclear Device Using Post-Detonation Materials. Analytical Chemistry, 2013, 85, 4195-4198.	3.2	39
122	THE SHARING OF AN EDGE BETWEEN A URANYL PENTAGONAL BIPYRAMID AND SULFATE TETRAHEDRON IN THE STRUCTURE OF KNa5[(UO2)(SO4)4](H2O). Canadian Mineralogist, 2002, 40, 211-216.	0.3	38
123	Thermodynamics of uranyl minerals: Enthalpies of formation of rutherfordine, UO2CO3, andersonite, Na2CaUO2(CO3)3(H2O)5, and grimselite, K3NaUO2(CO3)3H2O. American Mineralogist, 2005, 90, 1284-1290.	0.9	38
124	One-Dimensional Uranyl-2,2â€²-bipyridine Coordination Polymer with Cationâ€“Cation Interactions: (UO₂)₂(2,2â€²-bpy)(CH₃CO₂)(O)(OH). Inorganic Chemistry, 2012, 51, 11177-11183.	1.9	38
125	A NEW URANYL SHEET IN K5[(UO2)10O8(OH)9](H2O): NEW INSIGHT INTO SHEET ANION-TOPOLOGIES. Canadian Mineralogist, 2000, 38, 163-173.	0.3	37
126	Crystal Chemistry of Lead Oxide Hydroxide Nitrates. Journal of Solid State Chemistry, 2001, 158, 78-81.	1.4	37

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127	Chiral open-framework uranyl molybdates. 2. Flexibility of the U:Mo=6:7 frameworks: syntheses and crystal structures of (UO2)0.82[C8H20N]0.36[(UO2)6(MoO4)7(H2O)2](H2O)n and [C6H14N2][(UO2)6(MoO4)7(H2O)2](H2O)m. Microporous and Mesoporous Materials, 2005, 78, 217-224.	2.2	37
128	Lowâ€Symmetry Uranyl Pyrophosphate Cage Clusters. Chemistry - A European Journal, 2011, 17, 2571-2574.	1.7	37
129	INVESTIGATIONS OF CRYSTAL-CHEMICAL VARIABILITY IN LEAD URANYL OXIDE HYDRATES. II. FOURMARIERITE. Canadian Mineralogist, 2000, 38, 737-749.	0.3	36
130	The First Sodium Uranyl Chromate, Na4[(UO2)(CrO4)3]: Synthesis and Crystal Structure Determination. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 1965-1968.	0.6	36
131	DIVALENT TRANSITION METALS AND MAGNESIUM IN STRUCTURES THAT CONTAIN THE AUTUNITE-TYPE SHEET. Canadian Mineralogist, 2004, 42, 1699-1718.	0.3	36
132	Syntheses, Structures, and Characterization of Open-Framework Uranyl Germanates. Inorganic Chemistry, 2010, 49, 7123-7128.	1.9	36
133	Alteration of dehydrated schoepite and soddyite to studtite, [(UO2)(O2)(H2O)2](H2O)2. American Mineralogist, 2011, 96, 202-206.	0.9	36
134	(UO₂)₂[UO₄(trz)₂](OH)₂: A U(VI) Coordination Intermediate between a Tetraoxido Core and a Uranyl Ion with Cationâ€“Cation Interactions. Inorganic Chemistry, 2012, 51, 7185-7191.	1.9	36
135	In Situ Formation of Unprecedented Neptunium-Oxide Wheel Clusters Stabilized in a Metalâ€“Organic Framework. Journal of the American Chemical Society, 2019, 141, 11842-11846.	6.6	36
136	IMPLICATIONS OF THE SYNTHESIS AND STRUCTURE OF THE Sr ANALOGUE OF CURITE. Canadian Mineralogist, 2000, 38, 175-181.	0.3	35
137	Synthesis and crystal structure of Li2[(UO2)(MoO4)2], a uranyl molybdate with chains of corner-sharing uranyl square bipyramids and MoO4 tetrahedra. Solid State Sciences, 2003, 5, 481-485.	1.5	35
138	Experimental and Computational Study of a New Wheel-Shaped {[W₅O₂₁]₃[(U^{VI}O₂)₂(μ-O₂)₂]₃} Polyoxometalate. Inorganic Chemistry, 2012, 51, 8784-8790.	4.9	35
139	Solution ^{31}P NMR Study of the Acid-Catalyzed Formation of a Highly Charged {U$_{24}$Pp$_{12}$} Nanocluster, [(UO$_2$)$_{24}$(O$_2$)$_{24}$(P$_2$O$_7$)$_{12}$]$^{48-}$, and Its Structural Characterization in the Solid State Using Single-Crystal Neutron Diffraction. Journal of the American Chemical Society, 2016, 138, 8547-8553.	6.6	35
140	Cation-Dependent Hierarchical Assembly of U60 Nanoclusters into Macro-Ion Assemblies Imaged via Cryogenic Transmission Electron Microscopy. Journal of the American Chemical Society, 2016, 138, 191-198.	6.6	35
141	Computationally-Guided Assignment of Unexpected Signals in the Raman Spectra of Uranyl Triperoxide Complexes. Inorganic Chemistry, 2017, 56, 1574-1580.	1.9	35
142	REFINEMENT OF THE CRYSTAL STRUCTURE OF BILLIETITE, Ba [(UO2)6 O4 (OH)6] (H2O)8. Canadian Mineralogist, 2006, 44, 1197-1205.	0.3	35
143	Synthesis and Crystal Structure of Pb3O2(SeO3). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 558-562.	0.6	34
144	Thermodynamic characterization of boltwoodite and uranophane: Enthalpy of formation and aqueous solubility. Geochimica Et Cosmochimica Acta, 2011, 75, 5269-5282.	1.6	34

#	Article	IF	Citations
145	Series of Uranyl-4,4â€²-biphenyldicarboxylates and an Occurrence of a Cationâ€“Cation Interaction: Hydrothermal Synthesis and in Situ Raman Studies. Inorganic Chemistry, 2013, 52, 9487-9495.	1.9	34
146	Time-Resolved Assembly of Chiral Uranyl Peroxo Cage Clusters Containing Belts of Polyhedra. Inorganic Chemistry, 2013, 52, 337-345.	1.9	33
147	Multi-body coalescence in Pickering emulsions. Nature Communications, 2015, 6, 5929.	5.8	32
148	Selfâ€Assembly of Uranylâ€“Peroxide Nanocapsules in Basic Peroxidic Environments. Chemistry - A European Journal, 2016, 22, 8571-8578.	1.7	32
149	Thermal Responsive Ion Selectivity of Uranyl Peroxide Nanocages: An Inorganic Mimic of K⁺ Ion Channels. Angewandte Chemie - International Edition, 2016, 55, 6887-6891.	7.2	32
150	Expanding the Schulzeâ€“Hardy Rule and the Hofmeister Series to Nanometerâ€Scaled Hydrophilic Macroions. Chemistry - A European Journal, 2018, 24, 5479-5483.	1.7	32
151	A novel rigid uranyl tungstate sheet in the structures of Na2[(UO2)W2O8] and Î±- and Î²-Ag2[(UO2)W2O8]. Solid State Sciences, 2003, 5, 373-381.	1.5	31
152	A detailed geochemical investigation of post-nuclear detonation trinitite glass at high spatial resolution: Delineating anthropogenic vs. natural components. Chemical Geology, 2014, 365, 69-86.	1.4	31
153	Hybrid uranylâ€“vanadium nano-wheels. Chemical Communications, 2015, 51, 10134-10137.	2.2	31
154	NEW Cu2+ COORDINATION POLYHEDRA IN THE CRYSTAL STRUCTURE OF BURNSITE, KCdCu7O2(SeO3)2Cl9. Canadian Mineralogist, 2002, 40, 1587-1595.	0.3	30
155	Structures and synthesis of framework Rb and Cs uranyl arsenates and their relationships with their phosphate analogues. Journal of Solid State Chemistry, 2003, 175, 372-379.	1.4	30
156	A new polytype of orthoboric acid, H3BO3-3T. Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, i47-i49.	0.4	30
157	Lone electron pair stereoactivity, cation arrangements and distortion of heteropolyhedral sheets in the structures of Tl2[(UO2)(AO4)2] (A = Cr, Mo). Zeitschrift Fur Kristallographie - Crystalline Materials, 2005, 220, .	0.4	30
158	Uranyl-organic complexes: structure symbols, classification of carboxylates, and uranyl polyhedral geometries. Crystallography Reviews, 2006, 12, 205-255.	0.4	30
159	Dynamics of a Nanometerâ€Sized Uranyl Cluster in Solution. Angewandte Chemie - International Edition, 2013, 52, 7464-7467.	7.2	30
160	Processing used nuclear fuel with nanoscale control of uranium and ultrafiltration. Journal of Nuclear Materials, 2016, 473, 125-130.	1.3	30
161	SYNTHESIS AND CRYSTAL STRUCTURE OF A NEW Pb URANYL OXIDE HYDRATE WITH A FRAMEWORK STRUCTURE THAT CONTAINS CHANNELS. Canadian Mineralogist, 2000, 38, 1433-1441.	0.3	29
162	A NEW RARE-EARTH-ELEMENT URANYL CARBONATE SHEET IN THE STRUCTURE OF BIJVOETITE-(Y). Canadian Mineralogist, 2000, 38, 153-162.	0.3	29

#	Article	IF	Citations
163	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. XI. CRYSTAL STRUCTURES OF Cs2[(UO2)(MoO4)2] AND Cs2[(UO2)(MoO4)2](H2O). Canadian Mineralogist, 2005, 43, 713-720.	0.3	29
164	THE CRYSTAL STRUCTURE OF Pb8O5(OH)2Cl4, A SYNTHETIC ANALOGUE OF BLIXITE?. Canadian Mineralogist, 2006, 44, 515-522.	0.3	29
165	Advances in actinide solid-state and coordination chemistry. MRS Bulletin, 2010, 35, 868-876.	1.7	29
166	Selective Permeability of Uranyl Peroxide Nanocages to Different Alkali Ions: Influences from Surface Pores and Hydration Shells. Chemistry - A European Journal, 2015, 21, 18785-18790.	1.7	29
167	Complexity of Uranyl Peroxide Cluster Speciation from Alkali-Directed Oxidative Dissolution of Uranium Dioxide. Inorganic Chemistry, 2018, 57, 9296-9305.	1.9	29
168	A new uranyl carbonate sheet in the crystal structure of fontanite, Ca[(UO₂)₃(CO₃)₂O₂](H₂O)₆. American Mineralogist, 2003, 88, 962-966.	1.9	28
169	THE CRYSTAL STRUCTURE OF ALLOCHALCOSELITE, Cu+Cu2+5PbO2(SeO3)2Cl5, A MINERAL WITH WELL-DEFINED Cu+ AND Cu2+ POSITIONS. Canadian Mineralogist, 2006, 44, 507-514.	0.3	28
170	Nanostructured actinide compounds. Journal of Alloys and Compounds, 2007, 444-445, 457-463.	2.8	28
171	A multi-method approach for determination of radionuclide distribution in trinitite. Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 993-1003.	0.7	28
172	Hybrid Uraniumâ€“Transition-Metal Oxide Cage Clusters. Inorganic Chemistry, 2014, 53, 12877-12884.	1.9	28
173	Ewingite: Earthâ€™s most complex mineral. Geology, 2017, 45, 1007-1010.	2.0	28
174	The crystal structure of Na4(UO2)(CO3)3 and its relationship to schrÃ¶ckingerite. Mineralogical Magazine, 2001, 65, 297-304.	0.6	27
175	Crystal chemistry of lead oxide chlorides. II. Crystal structure of Pb7O4(OH)4Cl2. European Journal of Mineralogy, 2002, 14, 135-139.	0.4	27
176	CHAINS OF EDGE-SHARING OPb4 TETRAHEDRA IN THE STRUCTURE OF Pb4O(VO4)2 AND IN RELATED MINERALS AND INORGANIC COMPOUNDS. Canadian Mineralogist, 2003, 41, 951-958.	0.3	27
177	Structural Units in Three Uranyl Perrhenates. Inorganic Chemistry, 2007, 46, 10108-10113.	1.9	27
178	The role of cationâ€“cation interactions in a neptunyl chloride hydrate and topological aspects of neptunyl structural units. Journal of Solid State Chemistry, 2007, 180, 106-112.	1.4	27
179	Uranyl Peroxide Cage Cluster Solubility in Water and the Role of the Electrical Double Layer. Inorganic Chemistry, 2017, 56, 1333-1339.	1.9	27
180	Crystal chemistry of basic lead carbonates. I. Crystal structure of synthetic shannonite, Pb2O(CO3). Mineralogical Magazine, 2000, 64, 1063-1068.	0.6	26

#	Article	IF	Citations
181	STRUCTURES OF STRONTIUM- AND BARIUM-DOMINANT COMPOUNDS THAT CONTAIN THE AUTUNITE-TYPE SHEET. Canadian Mineralogist, 2005, 43, 721-733.	0.3	26
182	Expanding the Crystal Chemistry of Actinyl Peroxides:Â Open Sheets of Uranyl Polyhedra in Na5[(UO2)3(O2)4(OH)3](H2O)13. Inorganic Chemistry, 2006, 45, 6096-6098.	1.9	26
183	SYNTHESIS AND STRUCTURE OF A NEW Ca URANYL OXIDE HYDRATE, Ca[(UO2)4O3(OH)4](H2O)2, AND ITS RELATIONSHIP TO BECQUERELITE. Canadian Mineralogist, 2002, 40, 217-224.	0.3	26
184	INVESTIGATIONS OF CRYSTAL-CHEMICAL VARIABILITY IN LEAD URANYL OXIDE HYDRATES. I. CURITE. Canadian Mineralogist, 2000, 38, 727-735.	0.3	25
185	Ba(NpO2)(PO4)(H2O), its relationship to the uranophane group, and implications for Np incorporation in uranyl minerals. American Mineralogist, 2006, 91, 1089-1093.	0.9	25
186	THE CRYSTAL STRUCTURE OF PARAGEORGBOKIITE, Â-Cu5O2(SeO3)2Cl2. Canadian Mineralogist, 2007, 45, 929-934.	0.3	25
187	Uranyl peroxide pyrophosphate cage clusters with oxalate and nitrate bridges. Dalton Transactions, 2012, 41, 7278.	1.6	25
188	Cage clusters built from uranyl ions bridged through peroxo and 1-hydroxyethane-1,1-diphosphonic acid ligands. Dalton Transactions, 2013, 42, 6793.	1.6	25
189	Incorporation of Cu²⁺ Ions into Nanotubular Uranyl Diphosphonates. Inorganic Chemistry, 2014, 53, 4169-4176.	1.9	25
190	Quetzalcoatlite: A new octahedral-tetrahedral structure from a 2 Ã— 2 Ã— 40 Î¼m³crystal at the Advanced Photon Source-GSE-CARS Facility. American Mineralogist, 2000, 85, 604-607.	0.9	24
191	THE CRYSTAL STRUCTURE OF SYNTHETIC GRIMSELITE, K3Na[(UO2)(CO3)3](H2O). Canadian Mineralogist, 2001, 39, 1147-1151.	0.3	24
192	Crystal structure of Pb3O2(OH)Br, a Br-analogue of damaraite. Solid State Sciences, 2001, 3, 455-459.	1.5	24
193	The crystal chemistry of four thorium sulfates. Journal of Solid State Chemistry, 2011, 184, 1591-1597.	1.4	24
194	Correlations and Differences between Uranium(VI) Arsonates and Phosphonates. Inorganic Chemistry, 2012, 51, 12032-12040.	1.9	24
195	Hybrid Uranyl-Carboxyphosphonate Cage Clusters. Inorganic Chemistry, 2013, 52, 7673-7679.	1.9	24
196	A novel nuclear forensic tool involving deposit type normalized rare earth element signatures. Terra Nova, 2017, 29, 294-305.	0.9	24
197	A uranyl sulfate cluster in Na10[(UO2)(SO4)4](SO4)2Â·3H2O. Acta Crystallographica Section C: Crystal Structure Communications, 2002, 58, i121-i123.	0.4	23
198	The structure of hÃ¼gelite, an arsenate of the phosphuranylite group, and its relationship to dumontite. Mineralogical Magazine, 2003, 67, 1109-1120.	0.6	23

#	Article	IF	Citations
199	Rare-earth element fractionation in uranium ore and its U(VI) alteration minerals. Applied Geochemistry, 2017, 87, 84-92.	1.4	23
200	Micro-structures associated with uraninite alteration. Journal of Nuclear Materials, 2000, 277, 204-210.	1.3	22
201	Crystal Structure of K[UO2(NO3)3] and Some Features of Compounds M[UO2(NO3)3] (M = K, Rb, and) Tj ETQq1 1 0.784314 rgBT /Ov	0.2	22
202	Synthesis of a Uranyl Persulfide Complex and Quantum Chemical Studies of Formation and Topologies of Hypothetical Uranyl Persulfide Cage Clusters. Inorganic Chemistry, 2012, 51, 7801-7809.	1.9	22
203	Expanding the Crystal Chemistry of Uranyl Peroxides: Four Hybrid Uranyl-Peroxide Structures Containing EDTA. Inorganic Chemistry, 2014, 53, 12084-12091.	1.9	22
204	Uranylâ€“Peroxide Nanocapsules in Aqueous Solution: Force Field Development and First Applications. Journal of Physical Chemistry C, 2014, 118, 24730-24740.	1.5	22
205	Time-Resolved X-ray Scattering and Raman Spectroscopic Studies of Formation of a Uranium-Vanadium-Phosphorus-Peroxide Cage Cluster. Inorganic Chemistry, 2016, 55, 7061-7067.	1.9	22
206	Hierarchy of Pyrophosphate-Functionalized Uranyl Peroxide Nanocluster Synthesis. Inorganic Chemistry, 2017, 56, 5478-5487.	1.9	22
207	Single-Crystal Time-of-Flight Neutron Diffraction and Magic-Angle-Spinning NMR Spectroscopy Resolve the Structure and ¹H and ⁷Li Dynamics of the Uranyl Peroxide Nanocluster U₆₀. Inorganic Chemistry, 2017, 56, 9676-9683.	1.9	22
208	Paganoite, NiBi3+As5+O5, a new mineral from Johanngeorgenstadt, Saxony, Germany: description and crystal structure. European Journal of Mineralogy, 2001, 13, 167-175.	0.4	21
209	Crystal structure of rimkorolgite, Ba[Mg5(H2O)7(PO4)4](H2O), and its comparison with bakhchisaraitsevite. European Journal of Mineralogy, 2002, 14, 397-402.	0.4	21
210	Uranyl dinitrate trihydrate, UO2(NO3)2(H2O)3. Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, i7-i8.	0.4	21
211	Investigations into the Vertical Distribution of PCDDs and Mineralogy in Three Ball Clay Cores from the United States Exhibiting the Natural Formation Pattern. Environmental Science & Technology, 2004, 38, 4956-4963.	4.6	21
212	Crystal structure of filatovite, K(Al,Zn)2(As,Si)2O8, the first arsenate of the feldspar group. European Journal of Mineralogy, 2004, 16, 537-543.	0.4	21
213	Syntheses, Structures, Magnetic Properties, and X-ray Absorption Spectra of Carnotite-type Uranyl Chromium(V) Oxides:Â A[(UO2)2Cr2O8](H2O)n(A = K2, Rb2, Cs2, Mg;n= 0, 4). Chemistry of Materials, 2004, 16, 1384-1390.	3.2	21
214	A novel arrangement of silicate tetrahedra in the uranyl silicate sheet of oursinite, (Co0.8Mg0.2)[(UO2)(SiO3OH)]2(H2O)6. American Mineralogist, 2006, 91, 333-336.	0.9	21
215	Crystal chemistry of thorium nitrates and chromates. Journal of Solid State Chemistry, 2010, 183, 1604-1608.	1.4	21
216	From extended solids to nano-scale actinide clusters. Comptes Rendus Chimie, 2010, 13, 737-746.	0.2	21

#	Article	IF	Citations
217	Distribution and behavior of some radionuclides associated with the Trinity nuclear test. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 2049-2057.	0.7	21
218	Synthesis and Characterization of the First 2â€‰D Neptunyl Structure Stabilized by Sideâ€on Cationâ€“Cation Interactions. Chemistry - A European Journal, 2013, 19, 2937-2941.	1.7	21
219	Incorporation of Np(V) and U(VI) in carbonate and sulfate minerals crystallized from aqueous solution. Geochimica Et Cosmochimica Acta, 2015, 151, 133-149.	1.6	21
220	Reactivity, Formation, and Solubility of Polyoxometalates Probed by Calorimetry. Journal of the American Chemical Society, 2020, 142, 20463-20469.	6.6	21
221	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. VII. AN IRIGINITE-TYPE SHEET OF POLYHEDRA IN THE STRUCTURE OF [(UO2)Mo2O7(H2O)2]. Canadian Mineralogist, 2002, 40, 1571-1577.	0.3	21
222	A TOPOLOGICALLY NOVEL SHEET OF URANYL PENTAGONAL BIPYRAMIDS IN THE STRUCTURE OF Na[(UO2)4O2(OH)5](H2O)2. Canadian Mineralogist, 2002, 40, 1579-1586.	0.3	20
223	Single-crystal elastic properties of alunite, KAl3(SO4)2(OH)6. Physics and Chemistry of Minerals, 2006, 33, 567-573.	0.3	20
224	Oxo Clusters of 5f Elements. Structure and Bonding, 2016, , 121-153.	1.0	20
225	Porous Uranium Diphosphonate Frameworks with Trinuclear Units Templated by Organic Ammonium Hydrolyzed from Amine Solvents. Inorganic Chemistry, 2017, 56, 13249-13256.	1.9	20
226	Uranium(VI) Tetraoxido Core Coordinated by Bidentate Nitrate. Inorganic Chemistry, 2010, 49, 6793-6795.	1.9	19
227	Lead Isotopic Composition of Trinitite Melt Glass: Evidence for the Presence of Canadian Industrial Lead in the First Atomic Weapon Test. Analytical Chemistry, 2013, 85, 7588-7593.	3.2	19
228	Experimental measurements of U60 nanocluster stability in aqueous solution. Geochimica Et Cosmochimica Acta, 2015, 156, 94-105.	1.6	19
229	The Propensity of Uranium-Peroxide Systems to Preserve Nanosized Assemblies. Inorganic Chemistry, 2017, 56, 9602-9608.	1.9	19
230	Charge Density Influence on Enthalpy of Formation of Uranyl Peroxide Cage Cluster Salts. Inorganic Chemistry, 2018, 57, 11456-11462.	1.9	19
231	The A-site deficient ordered perovskite Th0.25â–¡0.75NbO3: a re-investigation. Journal of Alloys and Compounds, 2000, 307, 149-156.	2.8	18
232	Crystal structure of Pb10O7(OH)2F2(SO4) and crystal chemistry of lead oxysulfate minerals and inorganic compounds. Zeitschrift Fur Kristallographie - Crystalline Materials, 2002, 217, .	0.4	18
233	New Structural Arrangements in Three Ca Uranyl Carbonate Compounds with Multiple Anionic Species. Journal of Solid State Chemistry, 2002, 166, 219-228.	1.4	18
234	THE CRYSTAL STRUCTURES OF X(NpO2)(PO4)(H2O)3 (X = K+, Na+, Rb+, NH4+) AND THEIR RELATIONSHIP TO THE AUTUNITE GROUP. Canadian Mineralogist, 2007, 45, 471-477.	0.3	18

#	Article	IF	Citations
235	CRYSTAL STRUCTURES OF SIX NEW URANYL SELENATE AND SELENITE COMPOUNDS AND THEIR RELATIONSHIP WITH URANYL MINERAL STRUCTURES. Canadian Mineralogist, 2012, 50, 147-157.	0.3	18
236	Synthesis and characterization of uranyl chromate sheet compounds containing edge-sharing dimers of uranyl pentagonal bipyramids. Journal of Solid State Chemistry, 2012, 186, 158-164.	1.4	18
237	Stability of Solid Uranyl Peroxides under Irradiation. Inorganic Chemistry, 2019, 58, 14112-14119.	1.9	18
238	THE STRUCTURE AND COMPOSITION OF URANOSPATHITE, Al1 xÂx[(UO2)(PO4)]2(H2O)20+3xF1 3x, 0 < x < 0.33, A NON-CENTROSYMMETRIC FLUORINE-BEARING MINERAL OF THE AUTUNITE GROUP, AND OF A RELATED SYNTHETIC LOWER HYDRATE, Al0.67Â0.33[(UO2)(PO4)]2(H2O)15.5. Canadian Mineralogist, 2005, 43, 989-1003.	0.3	17
239	The Structure and Synthesis of Plutonium(III) Chlorides from Aqueous Solution. Inorganic Chemistry, 2006, 45, 8483-8485.	1.9	17
240	DISSOLUTION OF URANYL-OXIDE-HYDROXY-HYDRATE MINERALS. II. BECQUERELITE. Canadian Mineralogist, 2006, 44, 1207-1225.	0.3	17
241	Synthesis, Structure, and Infrared Spectroscopy of the First Np⁵⁺ Neptunyl Silicates, Li₆(NpO₂)₄(H₂Si₂O₇)(HSiO₄)₂ and K₃(NpO₂)₃(Si₂O₇). Inorganic Chemistry, 2008, 47, 705-712.	1.9	17
242	Infrared Signature of the Cationâ^Ï€ Interaction between Calcite and Aromatic Hydrocarbons. Langmuir, 2015, 31, 5820-5826.	1.6	17
243	Benchmarking Uranyl Peroxide Capsule Chemistry in Organic Media. European Journal of Inorganic Chemistry, 2017, 2017, 39-46.	1.0	17
244	Uranylâ€“Peroxide Capsule Selfâ€Assembly in Slow Motion. Chemistry - A European Journal, 2019, 25, 6087-6091.	1.7	17
245	The crystal and coordination chemistry of neptunium in all its oxidation states: An expanded structural hierarchy of neptunium compounds. Coordination Chemistry Reviews, 2021, 445, 213994.	9.5	17
246	Actinide compounds containing hexavalent cations of the VI group elements (S, Se, Mo, Cr, W). , 2007, , 95-182.		16
247	Structure Determination and Infrared Spectroscopy of K(UO₂)(SO₄)(OH)(H₂O) and K(UO₂)(SO₄)(OH). Inorganic Chemistry, 2007, 46, 7163-7168.	1.9	16
248	Hydrothermal syntheses and structures of the uranyl tellurates AgUO2(HTeO5) and Pb2UO2(TeO6). Journal of Solid State Chemistry, 2011, 184, 401-404.	1.4	16
249	Use of 2,2-Bipyrimidine for the Preparation of UO₂²⁺-3d Diphosphonates. Crystal Growth and Design, 2014, 14, 5692-5699.	1.4	16
250	Nuclear forensic applications involving high spatial resolution analysis of Trinitite cross-sections. Journal of Radioanalytical and Nuclear Chemistry, 2015, 306, 457-467.	0.7	16
251	Thermal Responsive Ion Selectivity of Uranyl Peroxide Nanocages: An Inorganic Mimic of K⁺ Ion Channels. Angewandte Chemie, 2016, 128, 7001-7005.	1.6	16
252	Sulfate-Centered Sodium-Icosahedron-Templated Uranyl Peroxide Phosphate Cages with Uranyl Bridged by Î¼â€“Î·¹:Î·² Peroxide. Inorganic Chemistry, 2017, 56, 1874-1880.	1.9	16

#	Article	IF	Citations
253	Thermodynamic investigation of uranyl vanadate minerals: Implications for structural stability. American Mineralogist, 2017, 102, 1149-1153.	0.9	16
254	Uranyl-Peroxide Clusters Incorporating Iron Trimers and Bridging by Bisphosphonate- and Carboxylate-Containing Ligands. Inorganic Chemistry, 2017, 56, 3738-3741.	1.9	16
255	Thermodynamic properties of phosphate members of the meta-autunite group: A high-temperature calorimetric study. Journal of Chemical Thermodynamics, 2017, 114, 165-171.	1.0	16
256	Unusual Metalâ€“Organic Framework Topology and Radiation Resistance through Neptunyl Coordination Chemistry. Journal of the American Chemical Society, 2021, 143, 17354-17359.	6.6	16
257	Linker Contribution toward Stability of Metalâ€“Organic Frameworks under Ionizing Radiation. Chemistry of Materials, 2021, 33, 9285-9294.	3.2	16
258	The crystal structure of szenicsite, Cu3MoO4(OH)4. Mineralogical Magazine, 1998, 62, 461-469.	0.6	15
259	The crystal structure of thornasite, Na12Th3[Si8O19]4(H2O)18: A novel interrupted silicate framework. American Mineralogist, 2000, 85, 1521-1525.	0.9	15
260	Bacterially enhanced dissolution of meta-autunite. American Mineralogist, 2008, 93, 1858-1864.	0.9	15
261	Effects of ionic liquid media on the cation selectivity of uranyl structural units in five new compounds produced using the ionothermal technique. CrystEngComm, 2014, 16, 7236-7243.	1.3	15
262	Cationâ€“cation interactions and cation exchange in a series of isostructural framework uranyl tungstates. Journal of Solid State Chemistry, 2014, 213, 1-8.	1.4	15
263	Synthesis and preservation of graphene-supported uranium dioxide nanocrystals. Journal of Nuclear Materials, 2016, 475, 113-122.	1.3	15
264	An Unprecedented Twoâ€Fold Nested Superâ€Polyrotaxane: Sulfateâ€Directed Hierarchical Polythreading Assembly of Uranyl Polyrotaxane Moieties. Chemistry - A European Journal, 2016, 22, 11329-11338.	1.7	15
265	Hybrid Lanthanideâ€“Actinide Peroxide Cage Clusters. Inorganic Chemistry, 2016, 55, 2682-2684.	1.9	15
266	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. X. THE CRYSTAL STRUCTURE OF Ag10[(UO2)8O8(Mo5O20)]. Canadian Mineralogist, 2003, 41, 1455-1462.	0.3	14
267	Hybrid Uranyl Arsonate Coordination Nanocages. Inorganic Chemistry, 2013, 52, 6245-6247.	1.9	14
268	Gauthierite, KPb[(UO2)7 O5 (OH)7]Â· 8H2 O, a new uranyl-oxide hydroxy-hydrate mineral from Shinkolobwe with a novel uranyl-anion sheet-topology. European Journal of Mineralogy, 2017, 29, 129-141.	0.4	14
269	Multivariate Analysis Based on Geochemical, Isotopic, and Mineralogical Compositions of Uranium-Rich Samples. Minerals (Basel, Switzerland), 2019, 9, 537.	0.8	14
270	CRYSTAL CHEMISTRY OF URANYL MOLYBDATES. IX. A NOVEL URANYL MOLYBDATE SHEET IN THE STRUCTURE OF Tl2[(UO2)2O(MoO5)]. Canadian Mineralogist, 2003, 41, 1225-1231.	0.3	13

#	Article	IF	Citations
271	Î³-UMo2O8 as a new polymorph of uranium dimolybdate containing tetravalent uranium. Doklady Physics, 2004, 49, 76-77.	0.2	13
272	MARIANOITE, A NEW MEMBER OF THE CUSPIDINE GROUP FROM THE PRAIRIE LAKE SILICOCARBONATITE, ONTARIO. Canadian Mineralogist, 2008, 46, 1023-1032.	0.3	13
273	Expanding the Crystal Chemistry of Actinyl Peroxides: Î¼-Î·2:Î·1 Peroxide Coordination in Trimers of U6+ Polyhedra. Inorganic Chemistry, 2009, 48, 2346-2348.	1.9	13
274	Influence of the Organic Species and Oxoanion in the Synthesis of two Uranyl Sulfate Hydrates, (H₃O)₂[(UO₂)₂(SO₄)₃Â(H₂O)]Â·7H₂ and (H₃O)₂[(UO₂)₂(SO₄)₃(H₂O)]Â·4H₂ and a Uranyl Selenateâ€“Selenite [C₅H₆N][(UO₂)(SeO₄)(HSeO₃)]. Zeitschri	0.6	13
275	Amine templating effect absent in uranyl sulfates synthesized with 1,4-n-butyldiamine. Journal of Solid State Chemistry, 2013, 197, 160-165.	1.4	13
276	Sourcing of Copper and Lead within Red Inclusions from Trinitite Postdetonation Material. Analytical Chemistry, 2015, 87, 5380-5386.	3.2	13
277	Supramolecular Assembly of Geometrically Unstable Hybrid Organicâ€“Inorganic Uranyl Peroxide Cage Clusters and Their Transformations. Journal of the American Chemical Society, 2019, 141, 12780-12788.	6.6	13
278	Transformation of Uranyl Peroxide Studtite, [(UO₂)(O₂)(H₂O)₂](H₂O)₂, to Soluble Nanoscale Cage Clusters. Inorganic Chemistry, 2019, 58, 6781-6789.	1.9	13
279	Comparative chemical and structural analyses of two uranium dioxide fuel pellets. Journal of Nuclear Materials, 2019, 518, 149-161.	1.3	13
280	Petewilliamsite, (Ni,Co)30(As2O7)15, a new mineral from Johanngeorgenstadt, Saxony, Germany: description and crystal structure. Mineralogical Magazine, 2004, 68, 231-240.	0.6	12
281	Incorporation of sodium into the chlorite structure: the crystal structure of glagolevite, Na(Mg,Al)₆[Si₃AlO₁₀](OH,O)₈. American Mineralogist, 2004, 89, 1138-1141.	0.9	12
282	Crystal Structure of Tl2[(UO2)2(MoO4)3] and Crystal Chemistry of the Compounds M2[(UO2)2(MoO4)3] (M = Tl, Rb, Cs). Radiochemistry, 2005, 47, 447-451.	0.2	12
283	DISSOLUTION OF URANYL-OXIDE-HYDROXY-HYDRATE MINERALS. IV. FOURMARIERITE AND SYNTHETIC Pb2(H2O)[(UO2)10UO12(OH)6(H2O)2]. Canadian Mineralogist, 2007, 45, 963-981.	0.3	12
284	Dissolution of uranophane: An AFM, XPS, SEM and ICP study. Geochimica Et Cosmochimica Acta, 2009, 73, 2510-2533.	1.6	12
285	Ionothermal effects on low-dimensionality uranyl compounds using task specific ionic liquids. CrystEngComm, 2014, 16, 7244-7250.	1.3	12
286	Crystal chemistry of uranium oxocompounds: an overview. , 2007, , 1-30.		12
287	A monoclinic polymorph of uranyl dinitrate trihydrate, [UO2(NO3)2(H2O)2]Â·H2O. Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, i71-i73.	0.4	11
288	Cafetite, Ca[Ti2O5](H2O): Crystal structure and revision of chemical formula. American Mineralogist, 2003, 88, 424-429.	0.9	11

#	Article	IF	Citations
289	Supramolecular templates for the synthesis of new nanostructured uranyl compounds: Crystal structure of [NH3(CH2)9NH3][(UO2)(SeO4)(SeO2OH)](NO3). Radiochemistry, 2010, 52, 1-6.	0.2	11
290	Observations on the crystal structures of lueshite. Physics and Chemistry of Minerals, 2014, 41, 393-401.	0.3	11
291	Uranylâ€“Organic Hybrids Designed from Hydroxyphosphonate. European Journal of Inorganic Chemistry, 2015, 2015, 340-347.	1.0	11
292	Photocatalytic decomposition of Rhodamine B on uranium-doped mesoporous titanium dioxide. RSC Advances, 2017, 7, 21273-21280.	1.7	11
293	LeÃ³szilÃ¡rdite, the first Na,Mg-containing uranyl carbonate from the Markey Mine, San Juan County, Utah, USA. Mineralogical Magazine, 2017, 81, 1039-1050.	0.6	11
294	A novel family of microporous uranyl germanates: Framework topology and complexity of the crystal structures. Journal of Solid State Chemistry, 2019, 271, 126-134.	1.4	11
295	Hyperstoichiometric Uranium Dioxides: Rapid Synthesis and Irradiation-Induced Structural Changes. Inorganic Chemistry, 2021, 60, 18938-18949.	1.9	11
296	Rietveld Refinement of the Crystal Structure of CuF2. Powder Diffraction, 1991, 6, 156-158.	0.4	10
297	Clay removal in basaltic and limestone horizontal roughing filters. Journal of Environmental Management, 2002, 7, 231-237.	1.7	10
298	Ionothermal synthesis of uranyl compounds that incorporate imidazole derivatives. Journal of Solid State Chemistry, 2013, 197, 266-272.	1.4	10
299	Nuclear-blast induced nanotextures in quartz and zircon within Trinitite. American Mineralogist, 2017, 102, 445-460.	0.9	10
300	Resolving Confined ⁷Li Dynamics of Uranyl Peroxide Capsule U₂₄. Inorganic Chemistry, 2018, 57, 5514-5525.	1.9	10
301	Experimental thermochemistry of neptunium oxides: Np2O5 and NpO2. Journal of Nuclear Materials, 2018, 501, 398-403.	1.3	10
302	In situ Raman spectroscopy of uranyl peroxide nanoscale cage clusters under hydrothermal conditions. Dalton Transactions, 2019, 48, 7755-7765.	1.6	10
303	Effects of H₂O₂ Concentration on Formation of Uranyl Peroxide Species Probed by Dissolution of Uranium Nitride and Uranium Dioxide. Inorganic Chemistry, 2019, 58, 5858-5864.	1.9	10
304	Energetic Trends in Monomer Building Blocks for Uranyl Peroxide Clusters. Inorganic Chemistry, 2019, 58, 439-445.	1.9	10
305	Irradiation-Driven Restructuring of UO2 Thin Films: Amorphization and Crystallization. ACS Applied Materials & Interfaces, 2021, 13, 35153-35164.	4.0	10
306	DISSOLUTION OF URANYL-OXIDE-HYDROXY-HYDRATE MINERALS. III. BILLIETITE. Canadian Mineralogist, 2007, 45, 945-962.	0.3	9

#	Article	IF	Citations
307	An integrated study of uranyl mineral dissolution processes: etch pit formation, effects of cations in solution, and secondary precipitation. Radiochimica Acta, 2011, 99, 79-94.	0.5	9
308	Mineralogic controls on aqueous neptunium(V) concentrations in silicate systems. Journal of Nuclear Materials, 2013, 433, 233-239.	1.3	9
309	Comparative Investigation between In Situ Laser Ablation Versus Bulk Sample (Solution Mode) Inductively Coupled Plasma Mass Spectrometry (ICP-MS) Analysis of Trinitite Post-Detonation Materials. Applied Spectroscopy, 2016, 70, 1446-1455.	1.2	9
310	Paddlewheelite, a New Uranyl Carbonate from the JÃ¡chymov District, Bohemia, Czech Republic. Minerals (Basel, Switzerland), 2018, 8, 511.	0.8	9
311	Framework Polymorphism and Modular Crystal Structures of Uranyl Vanadates of Divalent Cations: Synthesis and Characterization of M(UO₂)(V₂O₇) (M) Tj ETQq1 1 0.784314 rgBT / Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 981-987.	0.6	9
312	Ferroelectricity, ionic conductivity and structural paths for large cation migration in Ca_{10.5â^'x}Pb_x(VO₄)₇single crystals,x= 1.9, 3.5, 4.9. CrystEngComm, 2019, 21, 1309-1319.	1.3	9
313	The new K, Pb-bearing uranyl-oxide mineral kroupaite: Crystal-chemical implications for the structures of uranyl-oxide hydroxy-hydrates. American Mineralogist, 2020, 105, 561-568.	0.9	9
314	Ion exchange between aqueous fluid and spent nuclear fuel alteration products: Implications for the mobility of Cs in the probable repository at Yucca Mountain. Mineralogical Magazine, 2003, 67, 689-696.	0.6	8
315	Synthesis and Crystal Structure of Cs4[UO2(CO3)3]. Radiochemistry, 2004, 46, 12-15.	0.2	8
316	Synthesis and crystal structure of Cu2{(UO2)3[(S,Cr)O4]5}(H2O)17. Radiochemistry, 2004, 46, 441-445.	0.2	8
317	The Rb analogue of grimselite, Rb6Na2[(UO2)(CO3)3]2(H2O). Acta Crystallographica Section C: Crystal Structure Communications, 2004, 60, i25-i26.	0.4	8
318	Th2[BO4][PO4]: A RARE EXAMPLE OF AN ACTINIDE BORATE-PHOSPHATE. Canadian Mineralogist, 2011, 49, 1211-1220.	0.3	8
319	Synthesis, structure, and spectroscopic characterization of three uranyl phosphates with unique structural units. Journal of Solid State Chemistry, 2012, 196, 482-488.	1.4	8
320	Dynamic Phosphonic Bridges in Aqueous Uranyl Clusters. European Journal of Inorganic Chemistry, 2016, 2016, 797-801.	1.0	8
321	From aqueous speciation to supramolecular assembly in alkaline earth-uranyl polyoxometalates. Chemical Communications, 2017, 53, 9550-9553.	2.2	8
322	Synthesis and structural characterization of a series of uranyl-betaine coordination complexes. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 507-513.	0.4	8
323	Pyrophosphate and Methylenediphosphonate Incorporated Uranyl Peroxide Cage Clusters. Crystal Growth and Design, 2018, 18, 7720-7729.	1.4	8
324	High-temperature calorimetric measurements of thermodynamic properties of uranyl arsenates of the meta-autunite group. Chemical Geology, 2018, 493, 353-358.	1.4	8

#	Article	IF	Citations
325	Radiation-Induced Solid-State Transformations of Uranyl Peroxides. Inorganic Chemistry, 2022, 61, 882-889.	1.9	8
326	Parageorgbokiite, Î²-Cu5O2(SeO3)2Cl2, a new mineral species from volcanic exhalations, Kamchatka Peninsula, Russia. Geology of Ore Deposits, 2007, 49, 518-521.	0.2	7
327	Synthesis, characterization, and crystal structures of uranyl compounds containing mixed chromium oxidation states. Journal of Solid State Chemistry, 2012, 191, 162-166.	1.4	7
328	Oxygen Isotope Composition of Trinitite Postdetonation Materials. Analytical Chemistry, 2013, 85, 11913-11919.	3.2	7
329	A COMBINED GEOCHEMICAL AND GEOCHRONOLOGICAL INVESTIGATION OF NIOCALITE FROM THE OKA CARBONATITE COMPLEX, CANADA. Canadian Mineralogist, 2013, 51, 785-800.	0.3	7
330	Thermodynamic studies of zippeite, a uranyl sulfate common in mine wastes. Chemical Geology, 2016, 447, 54-58.	1.4	7
331	Mobilization and agglomeration of uraninite nanoparticles: A nano-mineralogical study of samples from the Matoush Uranium ore deposit. American Mineralogist, 2017, 102, 1776-1787.	0.9	7
332	Uranyl peroxide nanoclusters at high-pressure. Journal of Materials Research, 2017, 32, 3679-3688.	1.2	7
333	Leesite, K(H2O)2[(UO2)4O2(OH)5]Â·3H2O, a new K-bearing schoepite-family mineral from the Jomac mine, San Juan County, Utah, U.S.A.. American Mineralogist, 2018, 103, 143-150.	0.9	7
334	Bi₃(PO₄)O₃, the Simplest Bismuth(III) Oxophosphate: Synthesis, IR Spectroscopy, Crystal Structure, and Structural Complexity. Inorganic Chemistry, 2018, 57, 6799-6802.	1.9	7
335	Isotope and Hydrogenâ€Bond Effects on the Selfâ€Assembly of Macroions in Dilute Solution. Chemistry - A European Journal, 2019, 25, 16288-16293.	1.7	7
336	The lithiumâ€“water configuration encapsulated by uranyl peroxide cage cluster U₂₄. CrystEngComm, 2019, 21, 390-393.	1.3	7
337	Dynamics of Cation-Induced Conformational Changes in Nanometer-Sized Uranyl Peroxide Clusters. Inorganic Chemistry, 2020, 59, 2495-2502.	1.9	7
338	Arizona porphyry copper/hydrothermal deposits I. The structure of chenevixite and luetheite. Mineralogical Magazine, 2000, 64, 25-s8.	0.6	6
339	Structure and thermodynamic stability of UTa₃O₁₀, a U(<scp>v</scp>)-bearing compound. Dalton Transactions, 2016, 45, 18892-18899.	1.6	6
340	Characterization of uraninite using a FIBâ€“SEM approach and its implications for LAâ€“ICPâ€“MS analyses. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 1389-1400.	0.7	6
341	Redcanyonite, (NH₄)₂Mn[(UO₂)₄O₄(SO₄)₂](H₂O)₈, a new zippeite-group mineral from the Blue Lizard mine, San Juan County, Utah, USA. Mineralogical Magazine, 2018, 82, 1261-1275.	0.6	6
342	Neptunyl Peroxide Chemistry: Synthesis and Spectroscopic Characterization of a Neptunyl Triperoxide Compound, Ca₂[NpO₂(O₂)₃]Â·9H₂O. Inorganic Chemistry, 2019, 58, 12264-12271.	1.9	6

#	Article	IF	Citations
343	A Novel Family of Np(VI) Oxysalts: Crystal Structures, Calorimetry, Thermal Behavior, and Comparison with U(VI) Compounds. Crystal Growth and Design, 2019, 19, 2811-2819.	1.4	6
344	Prediction of Solution Behavior via Calorimetric Measurements Allows for Detailed Elucidation of Polyoxometalate Transformation. Inorganic Chemistry, 2021, 60, 6753-6763.	1.9	6
345	Hydroxylpyromorphite, a mineral important to lead remediation: Modern description and characterization. American Mineralogist, 2021, 106, 922-929.	0.9	6
346	Dukeite, Bi₂₄³⁺Cr₈⁶⁺O₅₇(OH)₆(H₂O)₃, a new mineral from BrejaÃºba, Minas Gerais, Brazil: Description and crystal structure. American Mineralogist, 2000, 85, 1822-1827.	0.9	5
347	Partially ordered organic-inorganic nanocomposites in the system UO2SeO4-H2O-NH3(CH2)9NH3. Radiochemistry, 2010, 52, 7-11.	0.2	5
348	Pr₅F[SiO₄]₂[SeO₃]₃: Another Complex Fluoride Oxosilicate Oxoselenate(IV). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 779-784.	0.6	5
349	A Spontaneous Structural Transition of {U₂₄Pp₁₂} Clusters Triggered by Alkali Counterion Replacement in Dilute Solution. Chemistry - A European Journal, 2017, 23, 7915-7919.	1.7	5
350	The (3+3) commensurately modulated structure of the uranyl silicate mineral swamboite-(Nd), Nd0.333[(UO2)(SiO3OH)](H2O)2.41. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 223-231.	0.4	5
351	Rb₂[Ca(NpO₂)₂(PO₄)₂], the First Mixed Alkaliâ€“Alkaline Earth Metals Neptunyl(V) Phosphate: Crystal Chemistry and Sheet Stereoisomerism. Crystal Growth and Design, 2018, 18, 7254-7258.	1.4	5
352	The role of 1-ethyl-3-methylimidazolium diethyl phosphate ionic liquid in uranyl phosphate compounds. Journal of Solid State Chemistry, 2019, 279, 120938.	1.4	5
353	Hybrid Uranylâ€“Phosphonate Coordination Nanocage. Inorganic Chemistry, 2019, 58, 12662-12668.	1.9	5
354	Ligand Mediated Morphology of the Twoâ€Dimensional Uranyl Aqua Sulfates [UO 2 (X)(SO 4)(H 2 O)] [X = Cl â€“ or (CH 3) 3 NCH 2 COO]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 504-508.	0.6	5
355	Chemically-induced structural variations of a family of Cs2[(AnO2)2(TO4)3] (An = U, Np; T = S, Se, Cr,) Tj ETQq1 1 0.784314 rgBT /Over uranyl sulfate and selenate. Journal of Solid State Chemistry, 2020, 282, 121077.	1.4	5
356	Crystal Chemistry and Structural Complexity of Uranium(IV) Sulfates: Synthesis of U₃H₂(SO₄)₇(H₂O)₅Â·3H₂O and U₃(UO₂)_{0.2}(SO₄)₆(OH)_{0.4}Â·2.3H₂O with Framework Structures by the Photochemical Reduction of Uranyl. Inorganic Chemistry, 2020, 59, 5813-5817.	1.9	5
357	Ionothermal Synthesis of Uranyl Vanadate Nanoshell Heteropolyoxometalates. Inorganic Chemistry, 2021, 60, 3355-3364.	1.9	5
358	High-Temperature Synthesis of a Uranyl Peroxo Complex Facilitated by Hydrothermally In Situ Formed Organic Peroxide. Inorganic Chemistry, 2021, 60, 2133-2137.	1.9	5
359	Effect of Ionothermal Conditions on the Crystallization of Organically Templated Uranyl Sulfate Compounds. Crystal Growth and Design, 2021, 21, 861-868.	1.4	5
360	Hydrogen bond network and bond valence analysis on uranyl sulfate compounds with organic-based interstitial cations. Journal of Solid State Chemistry, 2022, 307, 122871.	1.4	5

#	Article	IF	Citations
361	Microwave-Assisted Solutionâ€“Liquidâ€“Solid Synthesis of Single-Crystal Copper Indium Sulfide Nanowires. Crystal Growth and Design, 2015, 15, 2859-2866.	1.4	4
362	Extraction behaviors of uranyl peroxo cage clusters by mesoporous silica SBA-15. Journal of Radioanalytical and Nuclear Chemistry, 2016, 310, 453-462.	0.7	4
363	Thermodynamic characterization of synthetic autunite. American Mineralogist, 2017, 102, 1977-1980.	0.9	4
364	Investigation of the Structural Stability of Zippeite-Group Minerals Using High-Temperature Calorimetry. Canadian Mineralogist, 2018, 56, 7-14.	0.3	4
365	Structure Refinement and Thermal Stability Studies of the Uranyl Carbonate Mineral Andersonite, Na2Ca[(UO2)(CO3)3]Â·(5+x)H2O. Minerals (Basel, Switzerland), 2018, 8, 586.	0.8	4
366	Organic Functionalization of Uranyl Peroxide Clusters to Impact Solubility. Inorganic Chemistry, 2020, 59, 9881-9888.	1.9	4
367	Natromarkeyite and pseudomarkeyite, two new calcium uranyl carbonate minerals from the Markey mine, San Juan County, Utah, USA. Mineralogical Magazine, 2020, 84, 753-765.	0.6	4
368	Dissolution of poorly soluble uranyl phosphate phases in the Metaautunite Subgroup under uranyl peroxide cage cluster forming conditions. American Mineralogist, 2020, 105, 182-193.	0.9	4
369	Seaborgite, LiNa6K2(UO2)(SO4)5(SO3OH)(H2O), the First Uranyl Mineral Containing Lithium. American Mineralogist, 2021, 106, 105-111.	0.9	4
370	Calorimetric Study of Functionalized Uranyl Peroxide Nanoclusters and Their Monomeric Building Block. European Journal of Inorganic Chemistry, 2021, 2021, 2840-2845.	1.0	4
371	Standalone 2-D Nanosheets and the Consequent Hydrogel and Coacervate Phases Formed by 2.5 nm Spherical U₆₀ Molecular Clusters in Dilute Aqueous Solution. Journal of Physical Chemistry B, 2021, 125, 12392-12397.	1.2	4
372	Mineral-specific heterogeneous neptunium sorption onto geological repository rocks in oxic and anoxic conditions and various temperatures. Chemical Geology, 2020, 545, 119654.	1.4	4
373	Gamma-Ray-Induced Formation of Uranyl Peroxide Cage Clusters. Inorganic Chemistry, 2022, 61, 11916-11922.	1.9	4
374	Tetrahedral site ordering in synthetic gallium albite: A 29Si MAS NMR study. Journal of Solid State Chemistry, 1991, 94, 52-58.	1.4	3
375	X-ray powder diffraction data for the identification of boracite-group minerals. Powder Diffraction, 1995, 10, 250-260.	0.4	3
376	Cover Picture: Actinyl Peroxide Nanospheres (Angew. Chem. Int. Ed. 14/2005). Angewandte Chemie - International Edition, 2005, 44, 2039-2039.	7.2	3
377	Affects of Hydrogen Peroxide on the Stability of Becquerelite. Materials Research Society Symposia Proceedings, 2005, 893, 1.	0.1	3
378	Solid-state actinide acid phosphites from phosphorous acid melts. Journal of Solid State Chemistry, 2014, 215, 50-56.	1.4	3

#	Article	IF	Citations
379	Synthesis, IR spectroscopy and crystal structure of [(UO₂)₂{Be(H₂O)₂(PO₄)₂}]Â·(H₂O), the first compound with a trimer beryllophosphate anion. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 391-398.	0.4	3
380	Mixed-Valent Cyanoplatinates Featuring Neptunylâ€“Neptunyl Cationâ€“Cation Interactions. Inorganic Chemistry, 2018, 57, 9504-9514.	1.9	3
381	Interactions of phosphorylated cyclohexapeptides with uranyl: insights from experiments and theoretical calculations. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 677-689.	0.7	3
382	Rb₂CaCu₆(PO₄)₄O₂, a novel oxophosphate with a shchurovskyite-type topology: synthesis, structure, magnetic properties and crystal chemistry of rubidium copper phosphates. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 903-913.	0.5	3
383	Complex minerals preserve natural geochemically important nanoscale metal oxide clusters. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 512-513.	0.5	3
384	The Role of Continental Crust in the Formation of Uraninite-Based Ore Deposits. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	3
385	Changing Np Redox Speciation in the Synchrotron Beam. Materials Research Society Symposia Proceedings, 2003, 802, 140.	0.1	2
386	Extraction of uranyl peroxo clusters from aqueous solution by mesoporous silica SBA-15. Journal of Radioanalytical and Nuclear Chemistry, 2014, 303, 2257.	0.7	2
387	Experimental measurements of U24Py nanocluster behavior in aqueous solution. Radiochimica Acta, 2016, 104, 853-864.	0.5	2
388	Measurement of the effective capacitance of solutions containing nanoscale uranyl peroxide cage clusters (U60) reveals cluster effects. Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 341-346.	0.7	2
389	Inhomogeneous Distribution of Cationic Surfactants around Anionic Molecular Clusters. Chemistry - A European Journal, 2019, 25, 15741-15745.	1.7	2
390			

#	Article	IF	Citations
397	A New Polytype of Orthoboric Acid, H3BO3-3T.. ChemInform, 2003, 34, no.	0.1	1
398	Advances in Understanding of the Crystal Chemistry of Hexavalent Uranium. Materials Research Society Symposia Proceedings, 2003, 802, 87.	0.1	1
399	The First Sodium Uranyl Chromate, Na4[(UO2)(CrO4)3]: Synthesis and Crystal Structure Determination.. ChemInform, 2004, 35, no.	0.1	1
400	Stability of Peroxide-Containing Uranyl Minerals.. ChemInform, 2004, 35, no.	0.1	1
401	Hydrothermal Synthesis and Structure of Neptunium(V) Oxide. Materials Research Society Symposia Proceedings, 2006, 985, 1.	0.1	1
402	In-Situ Raman Spectroscopy Studies of Room-Temperature and Hydrothermal Reactions. Materials Research Society Symposia Proceedings, 2012, 1444, 281.	0.1	1
403	Structural and Morphological Influences on Neptunium Incorporation in Uranyl Molybdates. Crystal Growth and Design, 2015, 15, 5293-5300.	1.4	1
404	Cation-Dependent Hierarchical Assembly of U60 Nanoclusters into Blackberries Imaged via Cryogenic Transmission Electron Microscopy. Microscopy and Microanalysis, 2016, 22, 1468-1469.	0.2	1
405	Cationâ€Directed Isomerization of the U 28 Uranylâ€Peroxide Cluster. European Journal of Inorganic Chemistry, 2017, 2017, 5429-5433.	1.0	1
406	Thermochemical study of tetravalent metal sulfate tetrahydrates: A4+(SO4)2(H2O)4 (A4+â€¯=â€¯Zr, Ce, U). Journal of Solid State Chemistry, 2019, 276, 56-60.	1.4	1
407	Jeankempite, Ca5(AsO4)2(AsO3OH)2(H2O)7, a new arsenate mineral from the Mohawk Mine, Keweenaw County, Michigan, USA. Mineralogical Magazine, 2020, 84, 959-969.	0.6	1
408	Developing methodologies for source attribution: glass phase separation in Trinitite using NF3. Radiochimica Acta, 2017, 105, 417-430.	0.5	1
409	Î²-K2Cr2O7. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, 629-630.	0.4	1
410	Uranyl Dinitrate Trihydrate, UO2(NO3)2(H2O)3.. ChemInform, 2003, 34, no.	0.1	0
411	A Novel Open Framework Uranyl Molybdate: Synthesis and Structure of (NH4)4 [(UO2)5(MoO4)7] (H2O)5.. ChemInform, 2003, 34, no.	0.1	0
412	A Novel Rigid Uranyl Tungstate Sheet in the Structures of Na2[(UO2)W2O8] and Î±- and Î²-Ag2[(UO2)W2O8].. ChemInform, 2003, 34, no.	0.1	0
413	A Monoclinic Polymorph of Uranyl Dinitrate Trihydrate, [UO2(NO3)2(H2O)2] Ã—H2O.. ChemInform, 2003, 34, no.	0.1	0
414	The Rb Analogue of Grimselite, Rb6Na2 [(UO2)(CO3)3]2(H2O).. ChemInform, 2004, 35, no.	0.1	0

#	Article	IF	Citations
415	An Unprecedented Uranyl Phosphate Framework in the Structure of [(UO2)3(PO4)O(OH) (H2O)2](H2O).. ChemInform, 2004, 35, no.	0.1	0
416	Synthesis and Crystal Structure of Pb3O2(SeO3).. ChemInform, 2004, 35, no.	0.1	0
417	Relationships between the crystal chemistry and magetic properties of Np5+ sulfates. Materials Research Society Symposia Proceedings, 2005, 893, 1.	0.1	0
418	Presence and Persistence of Uranyl Peroxide Nanoclusters in Contact with Geological Media. Materials Research Society Symposia Proceedings, 2005, 893, 1.	0.1	0
419	Hydrothermal syntheses and characterization of uranyl tungstates with electro-neutral structural units. Zeitschrift Fur Kristallographie - Crystalline Materials, 2015, 230, .	0.4	0
420	Presentation of the 2015 Roebling Medal of the Mineralogical Society of America to Rodney C. Ewing. American Mineralogist, 2016, 101, 1001-1001.	0.9	0
421	Benchmarking Uranyl Peroxide Capsule Chemistry in Organic Media. European Journal of Inorganic Chemistry, 2017, 2017, 2-2.	1.0	0
422	High Nuclearity Uranyl Cages Using Rigid Aryl Phosphonate Ligands. European Journal of Inorganic Chemistry, 2019, 2019, 5052-5058.	1.0	0
423	High Nuclearity Uranyl Cages Using Rigid Aryl Phosphonate Ligands. European Journal of Inorganic Chemistry, 2019, 2019, 5040-5040.	1.0	0
424	Thermochemical studies of X(NpO2)(PO4)(H2O)3 (X = K+, Rb+), neptunium analogs of the autunite/meta-autunite group. Journal of Solid State Chemistry, 2020, 287, 121373.	1.4	0
425	Front Cover: Cation-Directed Isomerization of the U28 Uranyl-Peroxide Cluster (Eur. J. Inorg. Chem.) Tj ETQq1 1 0.784314 rgBT /Overl	1.0	0
426	Cation-Directed Isomerization of the U28 Uranyl-Peroxide Cluster. European Journal of Inorganic Chemistry, 2017, 2017, 5248-5248.	1.0	0
427	Ð˜Ð¡Ð›Ð•Ð”ÐžÐ'ÐÐÐ˜Ð• ÐÐ˜Ð—Ð˜ÐšÐž-Ð¥Ð˜ÐœÐ˜Ð§Ð•Ð¡ÐšÐ˜Ð¥ Ð¡Ð'ÐžÐ™Ð¡Ð¢Ð' Ð¥Ð›ÐžÐÐ˜Ð"ÐÐ«Ð¥ ÐžÐ¢Ð¥ÐžÐ"ÐžÐ' Ð¢		
428	Hydrated Uranium Oxides. , 2020, , 557-578.		0
429	Fluoroammonium method for processing of cake from leaching of titanium-magnesium production sludge. Kompleksnoe IspolÊ¹zovanie MineralÊ¹nogo SyrÊ¹Ã¢/Complex Use of Mineral Resources/Mineraldik Shikisattardy Keshendi Paidalanu, 2022, 320, 67-74.	0.1	0
430	Paramarkeyite, a new calciumâ€"uranylâ€"carbonate mineral from the Markey mine, San Juan County, Utah, USA. Mineralogical Magazine, 2022, 86, 27-36.	0.6	0
431	Methods of silica removal from pyrometallurgical processing wastes of ilmenite concentrate. Kompleksnoe IspolÊ¹zovanie MineralÊ¹nogo SyrÊ¹Ã¢/Complex Use of Mineral Resources/Mineraldik Shikisattardy Keshendi Paidalanu, 2022, 322, 79-88.	0.1	0