Adel Mesbah

List of Publications by Year
in descending order

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149	3,232	182225	242451
papers	citations	30 h-index	47 g-index

176	176	176	3007
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	From Hydrated Ni₃(OH)₂(C₈H₄O₄)₂(H₂O)₄ to Anhydrous Ni₂(OH)₂(C₈H₄O₄): Impact of Structural Transformations on Magnetic Properties. Inorganic Chemistry, 2014, 53, 872-881.	1.9	204
2	Investigation of magnesium phosphate cement hydration in diluted suspension and its retardation by boric acid. Cement and Concrete Research, 2016, 87, 77-86.	4.6	124
3	Crystal structure of Kuzel's salt 3CaOÂ·Al2O3Â·1/2CaSO4Â·1/2CaCl2Â·11H2O determined by synchrotron powder diffraction. Cement and Concrete Research, 2011, 41, 504-509.	4.6	123
4	Iron in carbonate containing AFm phases. Cement and Concrete Research, 2011, 41, 311-323.	4.6	115
5	Ab initio crystal structure of nickel(II) hydroxy-terephthalate by synchrotron powder diffraction and magnetic study. Solid State Sciences, 2007, 9, 465-471.	1.5	74
6	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
7	Uptake of chloride and carbonate ions by calcium monosulfoaluminate hydrate. Cement and Concrete Research, 2012, 42, 1157-1165.	4.6	71
8	Multiparametric Dissolution of Thoriumâ€“Cerium Dioxide Solid Solutions. Inorganic Chemistry, 2011, 50, 11702-11714.	1.9	65
9	Thorough analysis of silicon substitution in biphasic calcium phosphate bioceramics: A multi-technique study. Acta Biomaterialia, 2010, 6, 3264-3274.	4.1	64
10	Monoclinic Form of the Rhabdophane Compounds: REEPO₄Â·0.667H₂O. Crystal Growth and Design, 2014, 14, 5090-5098.	1.4	61
11	Inhibitors for magnesium corrosion: Metal organic frameworks. Solid State Sciences, 2007, 9, 322-328.	1.5	57
12	A New Investigation of the Clâ^'-CO32â^' Substitution in AFm Phases. Journal of the American Ceramic Society, 2011, 94, 1901-1910.	1.9	51
13	Monazite, rhabdophane, xenotime & churchite: Vibrational spectroscopy of gadolinium phosphate polymorphs. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 205, 85-94.	2.0	49
14	Swelling induced by alpha decay in monazite and zirconolite ceramics: A XRD and TEM comparative study. Journal of Nuclear Materials, 2014, 448, 184-194.	1.3	48
15	Phase separation and crystallization effects on the structure and durability of molybdenum borosilicate glass. Journal of Non-Crystalline Solids, 2015, 427, 120-133.	1.5	47
16	Determination of the Solubility of Rhabdophanes LnPO₄Â·0.667H₂O (Ln = La to) Tj ETQq0 0 0 rgBT /Overlock	1.0	47
17	Uranium removal from mining water using Cu substituted hydroxyapatite. Journal of Hazardous Materials, 2020, 392, 122501.	6.5	43
18	Compact Metalâ€“Organic Frameworks for Antiâ€Corrosion Applications: New Binary Linear Saturated Carboxylates of Zinc. European Journal of Inorganic Chemistry, 2011, 2011, 1315-1321.	1.0	42

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19	In pursuit of the rhabdophane crystal structure: from the hydrated monoclinic LnPO 4 .0.667H 2 O to the hexagonal LnPO 4 (Ln = Nd, Sm, Gd, Eu and Dy). Journal of Solid State Chemistry, 2017, 249, 221-227.	1.4	42
20	Crystal Structures and Phase Transition of Cementitious Bi-Anionic AFm-(Clâ¯, CO32â¯) Compounds. Journal of the American Ceramic Society, 2011, 94, 261-268.	1.9	41
21	Coffinite, USiO₄, Is Abundant in Nature: So Why Is It So Difficult To Synthesize?. Inorganic Chemistry, 2015, 54, 6687-6696.	1.9	38
22	Coordination polymers of uranium(<scp>iv</scp>) terephthalates. Dalton Transactions, 2015, 44, 2639-2649.	1.6	38
23	Intercalation of Benzoxaborolate Anions in Layered Double Hydroxides: Toward Hybrid Formulations for Benzoxaborole Drugs. Chemistry of Materials, 2015, 27, 1242-1254.	3.2	37
24	Intercalation in Zinc-Layered Hydroxide:â€‰ Zinc Hydroxyheptanoate Used as Protective Material on Zinc. Chemistry of Materials, 2006, 18, 6186-6193.	3.2	35
25	Dissolution of Th1â¯U O2: Effects of chemical composition and microstructure. Journal of Nuclear Materials, 2015, 457, 304-316.	1.3	35
26	First experimental determination of the solubility constant of coffinite. Geochimica Et Cosmochimica Acta, 2016, 181, 36-53.	1.6	35
27	Crystal structures of Boro-AFm and sBoro-AFt phases. Cement and Concrete Research, 2012, 42, 1362-1370.	4.6	34
28	How To Explain the Difficulties in the Coffinite Synthesis from the Study of Uranothorite?. Inorganic Chemistry, 2011, 50, 11117-11126.	1.9	33
29	From Uranothorites to Coffinite: A Solid Solution Route to the Thermodynamic Properties of USiO₄. Inorganic Chemistry, 2013, 52, 6957-6968.	1.9	33
30	Probing the local structure of nanoscale actinide oxides: a comparison between PuO₂ and ThO₂ nanoparticles rules out PuO_{2+x} hypothesis. Nanoscale Advances, 2020, 2, 214-224.	2.2	33
31	Energetics of a Uranothorite (Th_{1â€“x}U_xSiO₄) Solid Solution. Chemistry of Materials, 2016, 28, 7117-7124.	3.2	31
32	Preparation and characterisation of uranium oxides with spherical shapes and hierarchical structures. CrystEngComm, 2014, 16, 6944-6954.	1.3	30
33	From thorite to coffinite: A spectroscopic study of Th1â¯xUxSiO4 solid solutions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 302-307.	2.0	29
34	Synthesis, crystal structure, and optical properties of Ba2Cu2ThS5, and electronic structures of Ba2Cu2ThS5 and Ba2Cu2US5. Journal of Solid State Chemistry, 2013, 200, 349-353.	1.4	28
35	Preparation and characterization of synthetic Th0.5U0.5SiO4 uranothorite. Progress in Nuclear Energy, 2012, 57, 155-160.	1.3	27
36	Thermodynamics and Stability of Rhabdophanes, Hydrated Rare Earth Phosphates REPO4 Â· n H2O. Frontiers in Chemistry, 2018, 6, 604.	1.8	27

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37	Ba₂An(S₂)₂S₂ (An = U, Th): Syntheses, Structures, Optical, and Electronic Properties. Inorganic Chemistry, 2012, 51, 13390-13395.	1.9	26
38	An original precipitation route toward the preparation and the sintering of highly reactive uranium cerium dioxide powders. Journal of Nuclear Materials, 2015, 462, 173-181.	1.3	25
39	From uranium(IV) oxalate to sintered UO 2 : Consequences of the powders' thermal history on the microstructure. Journal of the European Ceramic Society, 2015, 35, 4535-4546.	2.8	25
40	Dissolution kinetics of monazite LnPO4 (Ln = La to Gd): A multiparametric study. Applied Geochemistry, 2018, 93, 81-93.	1.4	25
41	Syntheses and Crystal Structures of BaAgTbS₃, BaCuGdTe₃, BaCuTbTe₃, BaAgTbTe₃, and CsAgUTe₃. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1253-1257.	0.6	24
42	Kinetics of dissolution of UO 2 in nitric acid solutions: AÂmultiparametric study of the non-catalysed reaction. Journal of Nuclear Materials, 2017, 496, 251-264.	1.3	24
43	Hydrothermal Conversion of Uranium(IV) Oxalate into Oxides: A Comprehensive Study. Inorganic Chemistry, 2020, 59, 3260-3273.	1.9	24
44	Solubility properties of synthetic and natural meta-torbernite. Journal of Nuclear Materials, 2013, 442, 195-207.	1.3	23
45	High-Temperature Thermodynamics of Cerium Silicates, A-Ce₂Si₂O₇, and Ce_{4.67}(SiO₄)₃O. ACS Earth and Space Chemistry, 2020, 4, 2129-2143.	1.2	23
46	Syntheses and crystal structures of three barium uranium sulfides. Journal of Solid State Chemistry, 2013, 199, 253-257.	1.4	22
47	From colloidal precursors to metal carbides nanocomposites MC (M=Ti, Zr, Hf and Si): Synthesis, characterization and optical spectral selectivity studies. Solar Energy Materials and Solar Cells, 2015, 143, 473-479.	3.0	22
48	Vibrational spectroscopy of synthetic analogues of ankoleite, chernikovite and intermediate solid solution. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 156, 143-150.	2.0	21
49	Structure and Magnetic Properties of a New 1D Nickel(II) Hydroxythiophenedicarboxylate. European Journal of Inorganic Chemistry, 2009, 2009, 3713-3720.	1.0	20
50	Positional Flexibility: Syntheses and Characterization of Six Uranium Chalcogenides Related to the 2H Hexagonal Perovskite Family. Inorganic Chemistry, 2015, 54, 2851-2857.	1.9	20
51	Synthesis, Crystal Structure, and Enthalpies of Formation of Churchite-type REPO₄·2H₂O (RE = Gd to Lu) Materials. Crystal Growth and Design, 2019, 19, 4641-4649.	1.4	20
52	Syntheses, Structures, and Electronic Properties of Ba₃FeUS₆and Ba₃AgUS₆. Inorganic Chemistry, 2014, 53, 2899-2903.	1.9	19
53	Preparation, characterization and sintering of yttrium-doped ThO2 for oxygen sensors applications. Journal of Alloys and Compounds, 2016, 689, 374-382.	2.8	19
54	Overview of the crystal chemistry of the actinide chalcogenides: incorporation of the alkaline-earth elements. Dalton Transactions, 2016, 45, 16067-16080.	1.6	19

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55	Thorium aspartate tetrahydrate precursor to ThO 2 : Comparison of hydrothermal and thermal conversions. Journal of Nuclear Materials, 2017, 487, 331-342.	1.3	19
56	Multiparametric Study of the Synthesis of ThSiO₄ under Hydrothermal Conditions. Inorganic Chemistry, 2018, 57, 9393-9402.	1.9	19
57	In situ HT-ESEM study of crystallites growth within CeO2 microspheres. Ceramics International, 2015, 41, 14703-14711.	2.3	18
58	Incorporation of Thorium in the Zircon Structure Type through the Th_{1â€“x}Er_x(SiO₄)_{1â€“x}(PO₄_x Thoriteâ€“Xenotime Solid Solution. Inorganic Chemistry, 2016, 55, 11273-11282.	1.9	18
59	Thermodynamics of CeSiO₄: Implications for Actinide Orthosilicates. Inorganic Chemistry, 2020, 59, 13174-13183.	1.9	18
60	Modulated Linear Tellurium Chains in Ba₃ScTe₅: Synthesis, Crystal Structure, Optical and Resistivity Studies, and Electronic Structure. Inorganic Chemistry, 2020, 59, 2434-2442.	1.9	18
61	The Role of Water and Hydroxyl Groups in the Structures of Stetindite and Coffinite, MSiO₄ (M = Ce, U). Inorganic Chemistry, 2021, 60, 718-735.	1.9	18
62	Purification of uranothorite solid solutions from polyphase systems. Journal of Nuclear Materials, 2013, 441, 73-83.	1.3	17
63	Syntheses, Crystal Structures, Transport Properties, and Theoretical Studies of Five Members of the MAn₂Q₅ Family: SrU₂S₅, BaU₂Se₅, PbU₂S₅, BaTh₂S₅, and BaU₂Te₅. Inorganic Chemistry, 2014, 53, 11626-11632.	1.9	17
64	¹³³<scp>Cs</scp> and ²³<scp>Na</scp> MAS NMR Spectroscopy of Molybdate Crystallization in Model Nuclear Glasses. Journal of the American Ceramic Society, 2016, 99, 1557-1564.	1.9	17
65	Synthesis and Characterization of Ba₂Ag₂Se₂(Se₂). Inorganic Chemistry, 2019, 58, 7837-7844.	1.9	17
66	Kinetics of Structural and Microstructural Changes at the Solid/Solution Interface during Dissolution of Cerium(IV)â€“Neodymium(III) Oxides. Journal of Physical Chemistry C, 2012, 116, 12027-12037.	1.5	16
67	Magnetic measurements and neutron diffraction study of the layered hybrid compounds Mn(C8H4O4)(H2O)2 and Mn2(OH)2(C8H4O4). Journal of Solid State Chemistry, 2012, 186, 134-141.	1.4	16
68	Dissolution of uranium mixed oxides: The role of oxygen vacancies vs the redox reactions. Progress in Nuclear Energy, 2014, 72, 101-106.	1.3	16
69	Ab-initio crystal structure of hydroxy adipate of nickel and hydroxy subarate of nickel and cobalt from synchrotron powder diffraction and magnetic properties. Journal of Solid State Chemistry, 2008, 181, 3229-3235.	1.4	15
70	Location of metallic elements in (Co1â^'xFex)2(OH)2(C8H4O4): use of MAD, neutron diffraction and 57Fe MÃ¶ssbauer spectroscopy. CrystEngComm, 2010, 12, 3126.	1.3	15
71	Synthesis, crystal structure, optical, and electronic study of the new ternary thorium selenide Ba3ThSe3(Se2)2. Journal of Solid State Chemistry, 2015, 231, 163-168.	1.4	15
72	Two new ternary chalcogenides Ba₂ZnQ₃(Q= Se, Te) with chains of ZnQ₄tetrahedra: syntheses, crystal structure, and optical and electronic properties. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 425-429.	0.3	15

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73	Setting and hardening process of a wollastonite-based brushite cement. Cement and Concrete Research, 2018, 106, 65-76.	4.6	15
74	Synthesis and Characterization of Two Quaternary Uranium Tellurides, RbTiU3Te9and CsTiU3Te9. Inorganic Chemistry, 2014, 53, 7909-7915.	1.9	14
75	Incorporation of thorium in the rhabdophane structure: Synthesis and characterization of Pr 1-2x Ca x Th x PO 4 Â·nH 2 O solid solutions. Journal of Nuclear Materials, 2017, 492, 88-96.	1.3	14
76	Preparation of CeSiO₄ from aqueous precursors under soft hydrothermal conditions. Dalton Transactions, 2019, 48, 7551-7559.	1.6	14
77	SiC-TiC nanocomposite for bulk solar absorbers applications: Effect of density and surface roughness on the optical properties. Solar Energy Materials and Solar Cells, 2019, 191, 199-208.	3.0	14
78	Magnetism in the (Co1â^'xFex)2(OH)2(C8H4O4) solid solutions: a combined neutron diffraction and magnetic measurements study. Journal of Materials Chemistry, 2010, 20, 9386.	6.7	13
79	Formation of CeSiO₄ from cerium(<scp>iii</scp>) silicate precursors. Dalton Transactions, 2019, 48, 10455-10463.	1.6	13
80	Hydrothermal Conversion of Thorium Oxalate into ThO₂Â·nH₂O Oxide. Inorganic Chemistry, 2020, 59, 14954-14966.	1.9	13
81	Coffinite formation from UO2+x. Scientific Reports, 2020, 10, 12168.	1.6	13
82	Synthesis and Characterization of Eight Compounds of the MU₈Q₁₇ Family: ScU₈S₁₇, CoU₈S₁₇, NiU₈S₁₇, TiU₈Se₁₇, VU₈Se₁₇, CrU₈Se₁₇, CoU₈Se₁₇, and NiU₈Se₁₇. Inorganic Chemistry, 2014, 53, 6920-6927.	1.9	12
83	Syntheses, Crystal Structures, Optical and Theoretical Studies of the Actinide Thiophosphates SrU(PS4)2, BaU(PS4)2, and SrTh(PS4)2. Inorganic Chemistry, 2015, 54, 2970-2975.	1.9	12
84	Synthesis, crystal structure, and electronic structure of Ba2GeTe3(Te2). Solid State Sciences, 2019, 97, 105974.	1.5	12
85	Direct synthesis of pure brannerite UTi2O6. Journal of Nuclear Materials, 2019, 515, 401-406.	1.3	12
86	Ternary Chalcogenides BaMxTe2 (M = Cu, Ag): Syntheses, Modulated Crystal Structures, Optical Properties, and Electronic Calculations. Inorganic Chemistry, 2020, 59, 12276-12285.	1.9	12
87	Effect of TiC incorporation on the optical properties and oxidation resistance of SiC ceramics. Solar Energy Materials and Solar Cells, 2020, 213, 110536.	3.0	12
88	New metastable hybrid phase, Zn2(OH)2(C8H4O4), exhibiting unique oxo-penta-coordinated Zn(II) atoms. Solid State Sciences, 2009, 11, 818-823.	1.5	11
89	The U5+ compound Ba9Ag10U4S24: Synthesis, structure, and electronic properties. Journal of Solid State Chemistry, 2015, 221, 398-404.	1.4	11
90	Three New Quaternary Actinide Chalcogenides Ba₂TiUTe₇, Ba₂CrUTe₇, and Ba₂CrThTe₇: Syntheses, Crystal Structures, Transport Properties, and Theoretical Studies. Inorganic Chemistry, 2015, 54, 3688-3694.	1.9	11

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91	Four New Actinide Chalcogenides Ba₂Cu₄USe₆, Ba₂Cu₂ThSe₅, Ba₂Cu₂USe₅, and Sr₂Cu₂US₅: Crystal Structures and Physical Properties. Inorganic Chemistry, 2015, 54, 9138-9145.	1.9	11
92	Synthesis, Crystal Structure, Theoretical, and Resistivity Study of BaUSe₃. Inorganic Chemistry, 2016, 55, 7734-7738.	1.9	11
93	Impact of Carbonate Ions on the Synthesis of ThSiO₄ under Hydrothermal Conditions. Inorganic Chemistry, 2018, 57, 12398-12408.	1.9	11
94	Reaction sintering of rhabdophane into monazite-cheralite Nd1-2xThxCaxPO4 (x = 0 â€“ 0.1) ceramics. Journal of the European Ceramic Society, 2020, 40, 911-922.	2.8	11
95	An in-situ electron microscopy study of dual ion-beam irradiated xenotime-type ErPO4. Journal of Nuclear Materials, 2020, 539, 152265.	1.3	11
96	Soft Hydrothermal Synthesis of Hafnon, HfSiO₄. Crystal Growth and Design, 2020, 20, 1820-1828.	1.4	11
97	The formation of PuSiO₄under hydrothermal conditions. Dalton Transactions, 2020, 49, 6434-6445.	1.6	11
98	Synthesis, crystal structure, resistivity, and electronic structure of the U(V) quaternary polyselenide Ba8PdU2Se12(Se2)2. Journal of Solid State Chemistry, 2015, 230, 70-74.	1.4	10
99	Characterization of selenium in UO₂spent nuclear fuel by micro X-ray absorption spectroscopy and its thermodynamic stability. Environmental Sciences: Processes and Impacts, 2015, 17, 1760-1768.	1.7	10
100	Kinetics of dissolution of Th0.25U0.75O2 sintered pellets in various acidic conditions. Journal of Nuclear Materials, 2018, 510, 109-122.	1.3	10
101	Kinetic and thermodynamic factors controlling the dissolution of molybdate-bearing calcines during nuclear glass synthesis. Journal of Nuclear Materials, 2019, 519, 74-87.	1.3	10
102	Understanding the setting and hardening process of wollastonite-based brushite cement. Part 1: Influence of the Ca/P ratio and H3PO4 concentration of the mixing solution. Cement and Concrete Research, 2020, 134, 106094.	4.6	10
103	The Flexible Ba₇UM₂S_{12.5}O_{0.5} (M = V, Fe) Compounds: Syntheses, Structures and Spectroscopic, Resistivity, and Electronic Properties. Inorganic Chemistry, 2013, 52, 12057-12063.	1.9	9
104	From Th-Rhabdophane to Monazite-Cheralite Solid Solutions: Thermal Behavior of Nd_{1â€“2x}Th_xCa_xPO₄Â·nH₂O (x = 0â€“0.15). Crystal Growth and Design, 2019, 19, 2794-2801.	4	9
105	Caesium diuranium hexatelluride. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, i76-i76.	0.2	8
106	Coordination Networks Based on Boronate and Benzoxaborolate Ligands. Crystals, 2016, 6, 48.	1.0	8
107	LiAl2(OH)6OH.2H2O solubility product and dihydrogen radiolytic production rate under Î³-irradiation. Journal of Nuclear Materials, 2018, 508, 92-99.	1.3	8
108	Pillared sulfonate-based metal-organic framework as negative electrode for Li-ion batteries. Materials Letters, 2019, 236, 73-76.	1.3	8

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109	Geochemical fingerprints of brannerite (UTi₂O₆): an integrated study. Mineralogical Magazine, 2020, 84, 313-334.	0.6	8
110	Syntheses and characterization of the cubic uranium chalcogenides Rh2U6S15, Cs2Ti2U6Se15, Cs2Cr2U6Se15, and Cs2Ti2U6Te15. Journal of Solid State Chemistry, 2015, 228, 14-19.	1.4	7
111	Syntheses, crystal structures, and resistivities of the two new ternary uranium selenides, Er3USe8 and Yb3USe8. Journal of Solid State Chemistry, 2016, 233, 90-94.	1.4	7
112	Solubility product of the thorium phosphate hydrogen-phosphate hydrate (Th 2 (PO 4) 2 (HPO 4)Â·H 2) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	7
113	Deciphering the Crystal Structure of a Scarce 1D Polymeric Thorium Peroxo Sulfate. Chemistry - A European Journal, 2019, 25, 9580-9585.	1.7	7
114	In situ study of the synthesis of thorite (ThSiO₄) under environmental representative conditions. Dalton Transactions, 2020, 49, 11512-11521.	1.6	7
115	Synthesis and crystal structure of Cs2U3Se7. Solid State Sciences, 2013, 18, 110-113.	1.5	6
116	Syntheses, crystal structures, and electronic properties of Ba 8 Si 2 US 14 and Ba 8 SiFeUS 14. Solid State Sciences, 2015, 48, 120-124.	1.5	6
117	Synthesis, Crystal Structure, Resistivity, Magnetic, and Theoretical Study of ScUS₃. Inorganic Chemistry, 2015, 54, 1684-1689.	1.9	6
118	Design of self-desiccating binders using CSA cement: influence of the cement composition and sulfate source. Advances in Cement Research, 2019, 31, 178-194.	0.7	6
119	Sustainable and Efficient Lowâ€Energy Light Emitters: A Series of Oneâ€Dimensional d¹⁰ Coinage Metalâ€“Organic Chalcogenolates, [M(oâ€SPhCO₂H)]_n. ChemPhotoChem, 2022, 6, .	1.5	6
120	An investigation of the structures of the compounds in the tin-rich part of the Dyâ€“Sn system: Crystal structure of Dy5Sn11 and Dy5Sn13. Journal of Alloys and Compounds, 2008, 458, 22-29.	2.8	5
121	Syntheses, crystal structure, and electronic properties of the five ABaMQ4 compounds RbBaPS4, CsBaPS4, CsBaVS4, RbBaVSe4, and CsBaVSe4. Journal of Solid State Chemistry, 2016, 233, 217-220.	1.4	5
122	Impact of the cationic homogeneity on Th0.5U0.5O2 densification and chemical durability. Journal of Nuclear Materials, 2019, 514, 368-379.	1.3	5
123	Early stages of UO2+x sintering by in situ high-temperature environmental scanning electron microscopy. Journal of the European Ceramic Society, 2020, 40, 5891-5899.	2.8	5
124	Understanding the setting and hardening process of wollastonite-based brushite cement. Part 2: Influence of the boron and aluminum concentrations in the mixing solution. Cement and Concrete Research, 2021, 140, 106288.	4.6	5
125	Formation of plutonium(<scp>iv</scp>) silicate species in very alkaline reactive media. Dalton Transactions, 2021, 50, 12528-12536.	1.6	5
126	A multiparametric study on the dissolution of synthetic brannerite. Npj Materials Degradation, 2021, 5, .	2.6	5

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127	Poly[nickel(II)-Î¼2-benzene-1,4-dicarboxylato-Î¼2-piperazine]. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m948-m949.	0.2	4
128	Stabilization of Th3+ ions into mixed-valence thorium fluoride. Journal of Solid State Chemistry, 2011, 184, 220-226.	1.4	4
129	Polymorphism and polytypism in zinc aliphatic carboxylate: The complex case of Zn(C 11 H 21 O 2) 2. Materials Letters, 2017, 197, 228-232.	1.3	4
130	CO2 sequestration by carbonation of olivine: a new process for optimal separation of the solids produced. Green Processing and Synthesis, 2019, 8, 480-487.	1.3	4
131	Quantification of coffinite (USiO4) in roll-front uranium deposits using visible to near infrared (Vis-NIR) portable field spectroscopy. Journal of Geochemical Exploration, 2019, 199, 53-59.	1.5	4
132	First principles investigations of the optical selectivity of titanium carbide-based materials for concentrating solar power applications. Journal of Materials Chemistry C, 2021, 9, 7591-7598.	2.7	4
133	Synthesis and Crystal Structure of Cs₂U₂(P₂Se₉)(Se₂)₂. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1480-1484.	0.6	3
134	A Chiral 3D Silver(I)-Benzenedithiolate Coordination Polymer exhibiting Photoemission and Non Linear Optical Response. Chemical Communications, 0, , .	2.2	3
135	Crystal structure and phase transition of bis-aqua-sebacato magnesium Mg(C10H16O4)2(H2O)2. Solid State Sciences, 2011, 13, 1438-1442.	1.5	2
136	Spin-glass state in Ni 5 (OH) 6 (C n H 2nâ^'4 O 4) 2 metal-organic frameworks (n Â=Â6, 8, 10, 12). Solid State Sciences, 2014, 37, 154-163.	1.5	2
137	Syntheses, crystal structures, and optical properties of CsBa5Ti2Se9Cl and CsBa2Cl5. Journal of Solid State Chemistry, 2017, 253, 258-262.	1.4	2
138	Syntheses, modulated crystal structures of Ba6â^'2xU2+xAg4Se12 (xâ€¯=â€¯0 and 0.5), and crystal structure and spectroscopy of Sr4Th2.78Cu4S12. Journal of Solid State Chemistry, 2018, 268, 30-35.	1.4	2
139	Ag5U(PS4)3: A Transition-Metal Actinide Phosphochalcogenide. Inorganic Chemistry, 2019, 58, 535-539.	1.9	2
140	Impact of platinum group metals (Ru, Pd, Rh) on the dissolution of UO2. Journal of Nuclear Materials, 2020, 528, 151836.	1.3	2
141	Effect of Annealing on Structural and Thermodynamic Properties of ThSiO₄-ErPO₄ Xenotime Solid Solution. Inorganic Chemistry, 2021, 60, 12020-12028.	1.9	2
142	Barium dierbium(III) tetrasulfide. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, i17-i17.	0.2	2
143	Structural and magnetic properties of churchite-type REPO4Â·2H2O materials. Journal of Solid State Chemistry, 2022, 312, 123261.	1.4	2
144	K(Th0.75Sr0.25)2Se6: Structural Change Resulting from the Disorder of Differently Charged Cations. Inorganic Chemistry, 2018, 57, 7877-7880.	1.9	1

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145	Syntheses and crystal structures of the Ba7UM2S12.5O0.5 (Mâ€¯=â€¯Ti, Si/Fe) compounds. Materials Letters, 2019, 252, 293-295.	1.3	1
146	Impact of ruthenium metallic particles on the dissolution of UO2 in nitric acid. Npj Materials Degradation, 2022, 6, .	2.6	1
147	Frontispiece: Deciphering the Crystal Structure of a Scarce 1D Polymeric Thorium Peroxo Sulfate. Chemistry - A European Journal, 2019, 25, .	1.7	0
148	First determination of dissolution rates of oriented UO2 single crystals. MRS Advances, 2020, 5, 19-26.	0.5	0
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