Hans Conrad Zur Loye

List of Publications by Year
in descending order

530 papers	17,494 citations	17776 65 h-index	29333 108 g-index
650 all docs	650 docs citations	650 times ranked	13121 citing authors

#	Article	IF	Citations
1	Investigation of Metastable Low Dimensional Halometallates. Molecules, 2022, 27, 280.	1.7	2
2	Uranyl Titanate Silicates: Syntheses, Structures, and Family Relations. Crystal Growth and Design, 2022, 22, 1221-1228.	1.4	2
3	Luminescence and Scintillation of [Nb₂O₂F₉]^{3â€“}-Dimer-Containing Oxideâ€“Fluorides: Cs₁₀(Nb₂O₂F₉)₃F, Cs_{9.4}K_{0.6}(Nb₂O₂F₉)₃F, and Cs₁₀(Nb₂O₂F₉)₃Cl. Inorganic Chemistry, 2022, 61, 3256-3263.	1.9	3
4	Investigation of Rare Earth-Containing Double Phosphates of the Type A₃Ln(PO₄)₂ (Ln = Y, La, Pr, Nd, and Smâ€“Lu) as Potential Nuclear Waste Forms. Chemistry of Materials, 2022, 34, 3819-3830.	3.2	9
5	Synthesis, structure, and scintillation of Rb4Ta2Si8O23. Solid State Sciences, 2022, 127, 106861.	1.5	7
6	Hydrothermal synthesis of new mixed-oxoanion materials: Rare earth iodate sulfates Sm(IO3)(SO4) and Ln2(IO3)3(SO4)OHÂ·3H2O (Ln = Sm, Eu, Dy). Solid State Sciences, 2022, 129, 106918.	1.5	1
7	A complex mayenite-type strontium oxy-chloride exhibiting three-component site mixing: Sr12Al3.44Fe8.16Ge2.38O32Cl4.34. Journal of Solid State Chemistry, 2022, 313, 123285.	1.4	0
8	Lanthanide thioborates, an emerging class of nonlinear optical materials, efficiently synthesized using the boronâ€“chalcogen mixture method. Chemical Communications, 2022, 58, 7992-7995.	2.2	15
9	Luminescence and Scintillation in the Niobium Doped Oxyfluoride Rb4Ge5O9F6:Nb. Inorganics, 2022, 10, 83.	1.2	4
10	Phosphorescence in Mn⁴⁺-Doped R⁺/R²⁺ Germanates (R⁺ = Na⁺ or K⁺, R²⁺ = Sr²⁺). Inorganic Chemistry, 2022, 61, 9364-9374.	1.9	0
11	Structures and Magnetic Properties of K₂Pd₄U₆S₁₇, K₂Pt₄U₆S₁₇, Rb₂Pt₄U₆S₁₇, and Cs₂Pt₄U₆S₁₇ Synthesized Using the Boronâ€“Chalcogen Mixture Method. Inorganic Chemistry, 2022, 61, 10503-10508.	1.9	5
12	Crystallization of A₃Ln(BO₃)₂ (A = Na, K; Ln = Lanthanide) from a Boric Acid Containing Hydroxide Melt: Synthesis and Investigation of Lanthanide Borates as Potential Nuclear Waste Forms. Inorganic Chemistry, 2022, 61, 11232-11242.	1.9	7
13	Synthesis and Crystal Structure of a 6H Hexagonal Fluoro-Perovskite: RbMgF3. Journal of Chemical Crystallography, 2021, 51, 9-13.	0.5	6
14	Covalency in Actinide Compounds. Chemistry - A European Journal, 2021, 27, 5835-5841.	1.7	26
15	Flux crystal growth of a new BaTa2O6 polymorph, and of the novel tantalum oxyfluoride salt inclusion phase [Ba3F]Ta4O12F: Flux dependent phase formation. Journal of Solid State Chemistry, 2021, 294, 121833.	1.4	2
16	Rb2Co1.85Ge1.15O6: The First Quaternary, Noncentrosymmetric Rubidium Cobalt Germanate. Journal of Chemical Crystallography, 2021, 51, 451-456.	0.5	1
17	Trends in rare earth thiophosphate syntheses: Rb₃Ln(PS₄)₂ (Ln =) Tj ETQq1 1 0.784314 rgBT /O 5241-5248.	1.3	4
18	Frontispiece: Covalency in Actinide Compounds. Chemistry - A European Journal, 2021, 27, .	1.7	0

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19	Photoconductive Thin Films Composed of Environmentally Benign AgBiS₂ Nanocrystal Inks Obtained through a Rapid Phase Transfer Process. ACS Applied Electronic Materials, 2021, 3, 1550-1555.	2.0	6
20	Hydrothermal Synthesis and Structural Investigation of a Crystalline Uranyl Borosilicate. Inorganics, 2021, 9, 25.	1.2	3
21	Ferrite Materials Containing KagomÃ© Layers: Chemistry of Ba₂Fe₁₁Ge₂O₂₂ and K₂Co₄V₉O₂₂ Hexaferrites. Chemistry of Materials, 2021, 33, 2258-2266.	3.2	6
22	Relationship between A-site cation and magnetic structure in 3dâ“5dâ“4f double perovskite iridates Ln2NiIrO6 (Ln=La , Pr, Nd). Physical Review Materials, 2021, 5, .	0.9	5
23	Chloride Reduction of Mn3+ in Mild Hydrothermal Synthesis of a Charge Ordered Defect Pyrochlore, CsMn2+Mn3+F6, a Canted Antiferromagnet with a Hard Ferromagnetic Component. Journal of the American Chemical Society, 2021, 143, 11554-11567.	6.6	12
24	Vibrational spectroscopy of uranium tetrafluoride hydrates. Vibrational Spectroscopy, 2021, 115, 103277.	1.2	3
25	Hydrothermal Synthesis of New Iodates Ln₂(IO₃)₃(IO₄) (Ln = La, Nd, Pr) Containing the Tetraoxoiodate(V) Anion: Creation of Luminescence Properties by Doping with Eu, Dy, and Tb. Crystal Growth and Design, 2021, 21, 4707-4712.	1.4	5
26	Pentanary cesium titanyl/titanate silicate oxyfluorides: Syntheses and structures. Solid State Sciences, 2021, 118, 106664.	1.5	1
27	Flux crystal growth of cesium bismuth silicates Cs3BiSi8O19 and Cs4Bi2Si8O21: Structure modification via Eu doping to yield Cs4Bi1.72Eu0.28Si8O21 and alkali metal ion exchange to yield Cs0.79K2.21BiSi8O19. Solid State Sciences, 2021, 118, 106637.	1.5	0
28	A Density-Functional Theory Structural Database for Discovery of Novel Actinide Waste Forms. Crystal Growth and Design, 2021, 21, 5100-5107.	1.4	5
29	A Geometrically Frustrated Family of M^{II}M^{III}F₅(H₂O)₂ Mixedâ€“Metal Fluorides with Complex Magnetic Interactions. Inorganic Chemistry, 2021, 60, 14318-14329.	1.9	4
30	Mild hydrothermal synthesis of potassium uranyl phosphates with layered and framework structures. Journal of Solid State Chemistry, 2021, 301, 122293.	1.4	0
31	Synthesis of Mixedâ€Valent Lanthanide Sulfide Nanoparticles. Angewandte Chemie, 2021, 133, 23318.	1.6	1
32	Synthesis of Mixedâ€Valent Lanthanide Sulfide Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 23134-23141.	7.2	5
33	A series of Rb₄Ln₂(P₂S₆)(PS₄)₂ (Ln = La,) Tj ETQq1 1 0.784314 r gB [P_VS₄]^{3â“} and [P_VS₄]^{4â“}. Dalton Transactions, 2021, 50, 1683-1689.	1.6	9
34	Dimensional reduction upon calcium incorporation in Cs_{0.3}(Ca_{0.3}Ln_{0.7})PS₄ and Cs_{0.5}(Ca_{0.5}Ln_{0.5})PS₄. CrystEngComm, 2021, 23, 831-840.	1.3	5
35	Synthesis of Hydrated Ternary Lanthanide-Containing Chlorides Exhibiting X-ray Scintillation and Luminescence. Inorganic Chemistry, 2021, 60, 15371-15382.	1.9	3
36	â€œBoarding-Upâ€• Radiation Damage and Radionuclide Leaching Kinetics in Linker-Capped Metalâ€“Organic Frameworks. Inorganic Chemistry, 2020, 59, 179-183.	1.9	22

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37	Flux Growth of Uranyl Titanates: Rare Examples of TiO₄ Tetrahedra and TiO₅ Square Bipyramids. Journal of Physical Chemistry A, 2020, 124, 9487-9495.	1.1	7
38	Hydrothermal synthesis and properties of MMF5(H2O)7 (M = Co2+ and Ni2+, M = Mn3+, Ga3+, and In3+). Solid State Sciences, 2020, 108, 106374.	1.5	3
39	Targeting complex plutonium oxides by combining crystal chemical reasoning with density-functional theory calculations: the quaternary plutonium oxide Cs2PuSi6O15. Chemical Communications, 2020, 56, 9501-9504.	2.2	5
40	BaWO₂F₄: a mixed anion X-ray scintillator with excellent photoluminescence quantum efficiency. Dalton Transactions, 2020, 49, 10734-10739.	1.6	12
41	Facile Oxide to Chalcogenide Conversion for Actinides Using the Boronâ€“Chalcogen Mixture Method. Journal of the American Chemical Society, 2020, 142, 14365-14373.	6.6	18
42	Sodium Transition Metal Vanadates from Hydrothermal Brines: Synthesis and Characterization of NaMn 4 (VO 4) 3 , Na 2 Mn 3 (VO 4) 3 , and Na 2 Co 3 (VO 4) 2 (OH) 2. European Journal of Inorganic Chemistry, 2020, 2020, 3408-3415.	1.0	5
43	NaGaS₂: An Elusive Layered Compound with Dynamic Water Absorption and Wideâ€Ranging Ionâ€Exchange Properties. Angewandte Chemie, 2020, 132, 10928-10933.	1.6	4
44	Targeted crystal growth of uranium gallophosphates via the systematic exploration of the UF₄â€“GaPO₄â€“ACl (A = Cs, Rb) phase space. CrystEngComm, 2020, 22, 3020-3032.	1.3	6
45	One electron reduction transforms high-valent low-spin cobalt alkylidene into high-spin cobalt(<scp>ii</scp>) carbene radical. Chemical Communications, 2020, 56, 8416-8419.	2.2	8
46	New Rubidium-Containing Mixed-Metal Titanium Hollandites. Crystal Growth and Design, 2020, 20, 2398-2405.	1.4	6
47	Flux Crystal Growth, Crystal Structure, and Optical Properties of New Germanate Garnet Ce2CaMg2Ge3O12. Frontiers in Chemistry, 2020, 8, 91.	1.8	1
48	Structure and stability of alkali gallates structurally reminiscent of hollandite. Journal of the American Ceramic Society, 2020, 103, 6531-6542.	1.9	1
49	â€œSoftâ€•Alkali Bromide and Iodide Fluxes for Crystal Growth. Frontiers in Chemistry, 2020, 8, 518.	1.8	25
50	Polymorphism and Molten Nitrate Salt-Assisted Single Crystal to Single Crystal Ion Exchange in the Cesium Ferrogermanate Zeotype: CsFeGeO₄. Inorganic Chemistry, 2020, 59, 9699-9709.	1.9	10
51	Expansion of the Na₃M^{III}(Ln/An)₆F₃₀ Series: Incorporation of Plutonium into a Highly Robust and Stable Framework. Chemistry - A European Journal, 2020, 26, 12941-12944.	1.7	8
52	A Solvent Free Approach for the Preparation of Silver Modified Mesoporous Silica for Iodine Entrapment. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 2756-2763.	1.9	2
53	Nearly Identical but Not Isotypic: Influence of Lanthanide Contraction on Cs₂NaLn(PS₄)₂ (Ln = Laâ€“Nd, Sm, and Gdâ€“Ho). Inorganic Chemistry, 2020, 59, 1905-1916.	1.9	15
54	Complex cobalt silicates and germanates crystallizing in a porous three-dimensional framework structure. CrystEngComm, 2020, 22, 1112-1119.	1.3	8

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55	NaGaS 2 : An Elusive Layered Compound with Dynamic Water Absorption and Wideâ€Ranging Ionâ€Exchange Properties. Angewandte Chemie - International Edition, 2020, 59, 10836-10841.	7.2	14
56	Flux Crystal Growth, Structure, and Optical Properties of the New Germanium Oxysulfide La₄(GeS₂O₂)₃. Crystal Growth and Design, 2020, 20, 4054-4061.	1.4	4
57	Supramolecular Assembly of U(IV) Clusters and Superatoms with Unconventional Countercations. Journal of the American Chemical Society, 2020, 142, 9039-9047.	6.6	34
58	Quaternary cerium(<scp>iv</scp>) containing fluorides exhibiting Ce₃F₁₆ sheets and Ce₆F₃₀ frameworks. Dalton Transactions, 2020, 49, 5898-5905.	1.6	13
59	Crystal Growth of Alkali Uranyl Borates from Molten Salt Fluxes: Characterization and Ion Exchange Behavior of A₂(UO₂)B₂O₅ (A = Cs, Rb, K). Inorganic Chemistry, 2020, 59, 6449-6459.	1.9	7
60	Expanding the Chemistry of Salt-Inclusion Materials: Utilizing the Titanyl Ion as a Structure Directing Agent for the Targeted Synthesis of Salt-Inclusion Titanium Silicates. Crystal Growth and Design, 2020, 20, 8071-8078.	1.4	10
61	New germanate and mixed cobalt germanate salt inclusion materials: [(Rb6F)(Rb4F)][Ge14O32] and [(Rb6F)(Rb3.1Co0.9F0.96)][Co3.8Ge10.2O30F2]. CrystEngComm, 2020, 22, 8072-8080.	1.3	9
62	Crystal structure of dicaesium strontium hexacyanidoferrate(II), Cs₂Sr[Fe(CN)₆], from laboratory X-ray powder data. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 900-904.	0.2	0
63	Salt-flux synthesis, crystal structure and theoretical characterization of Rb0.74Ga6.62Ti0Â·38O11. Solid State Sciences, 2020, 109, 106394.	1.5	0
64	Correction to â€œUnderstanding the Polymorphism of A₄[(UO₂)₃(PO₄)₂O₂] (A =) Tj ETQq0 0 0 rgBT /Overlock 4895-4895.	1.4	0
65	One-Dimensional Quaternary and Penternary Alkali Rare Earth Thiophosphates Obtained via Alkali Halide Flux Crystal Growth. Crystal Growth and Design, 2019, 19, 5648-5657.	1.4	9
66	Observation of the Same New Sheet Topology in Both the Layered Uranyl Oxide-Phosphate Cs11[(UO2)12(PO4)3O13] and the Layered Uranyl Oxyfluoride-Phosphate Rb11[(UO2)12(PO4)3O12F2] Prepared by Flux Crystal Growth. Frontiers in Chemistry, 2019, 7, 583.	1.8	12
67	Mild Hydrothermal Synthesis of the Complex Hafnium-Containing Fluorides Cs₂[M(H₂O)₆][Hf₂F₁₂] (M = Ni, Co, Zn), CuHfF₆(H₂O)₄, and Cs₂Hf₃Mn₃F₂₀ Based on HfF₇ and HfF₆ Coordination Polyhedra. Inorganic Chemistry, 2019, 58, 13049-13057.	1.9	10
68	Superwadeites: Elucidation of a Structural Family Related to the Wadeite Structure and Prediction of Cs2Ge5O11. Crystal Growth and Design, 2019, 19, 5477-5482.	1.4	5
69	Flux crystal growth of uranium(<scp>v</scp>) containing oxyfluoride perovskites. Inorganic Chemistry Frontiers, 2019, 6, 3203-3214.	3.0	11
70	Synthesis and crystal structure of [(Cs6F)(Cs3AgF)][Ge14O32] through alkali halide flux growth. Solid State Sciences, 2019, 97, 105973.	1.5	12
71	Flux crystal growth: a versatile technique to reveal the crystal chemistry of complex uranium oxides. Dalton Transactions, 2019, 48, 3162-3181.	1.6	34
72	Cs₃RE^{III}Ge₃O₉ (RE = Pr, Nd, and Smâ€“Yb) and Cs₈Tb^{III}₂Tb^{IV}Ge₉O₂₇: A Rare Example of a Mixed-Valent Tb(III)/Tb(IV) Oxide. Inorganic Chemistry, 2019, 58, 8702-8709.	1.9	13

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73	Molten Alkali Halide Flux Growth of an Extensive Family of Noncentrosymmetric Rare Earth Sulfides: Structure and Magnetic and Optical (SHG) Properties. Inorganic Chemistry, 2019, 58, 8541-8550.	1.9	25
74	Thermodynamics and Electronic Properties of Heterometallic Multinuclear Actinide-Containing Metalâ€“Organic Frameworks with â€œStructural Memoryâ€• Journal of the American Chemical Society, 2019, 141, 11628-11640.	6.6	71
75	La2USe3S2: A Serendipitously Grown Lanthanide/Actinide Chalcogenide from a Eutectic Halide Flux. Journal of Chemical Crystallography, 2019, 49, 169-173.	0.5	2
76	Targeted Synthesis of Uranium(IV) Thiosilicates. Inorganic Chemistry, 2019, 58, 8275-8278.	1.9	6
77	Size-Driven Stability of Lanthanide Thiophosphates Grown from an Iodide Flux. Inorganic Chemistry, 2019, 58, 6565-6573.	1.9	19
78	Synthesis of Scintillating Ce3+-Doped Lu2Si2O7 Nanoparticles Using the Salt-Supported High Temperature (SSHT) Method: Solid State Chemistry at the Nanoscale. ACS Applied Nano Materials, 2019, 2, 1857-1865.	2.4	7
79	Discovery of Cs₂(UO₂)Al₂O₅ by Molten Flux Methods: A Uranium Aluminate Containing Solely Aluminate Tetrahedra as the Secondary Building Unit. Inorganic Chemistry, 2019, 58, 4099-4102.	1.9	7
80	3d-Metal Induced Magnetic Ordering on U(IV) Atoms as a Route toward U(IV) Magnetic Materials. Journal of the American Chemical Society, 2019, 141, 3838-3842.	6.6	13
81	A zinc-based oxysulfide photocatalyst SrZn₂S₂O capable of reducing and oxidizing water. Dalton Transactions, 2019, 48, 15778-15781.	1.6	21
82	Flux Crystal Growth of Lanthanide Tungsten Oxychlorides, La_{8.64}W₆O_{30.45}Cl, Ce_{8.64}W_{5.74}O₃₀Cl, and Ln_{8.33}W₆O₃₀Cl (Ln = Pr, Nd): Structural Stability in the Presence of Extreme Cation and Anion Disorder. Inorganic Chemistry, 2019, 58, 16831-16837.	1.9	4
83	Rare earth silicates and germanates crystallizing in the wadeite and related structure types. Journal of Solid State Chemistry, 2019, 269, 51-55.	1.4	10
84	Understanding the Polymorphism of A₄[(UO₂)₃(PO₄)₂O₂] (A =) Tj ETQq1 0 0 rgBT /Overlock		
85	Crystal Growth and Structure Characterization of Three Layered Uranyl Phosphates and Their Relation to the Phosphuranylite Family. Crystal Growth and Design, 2019, 19, 1183-1189.	1.4	12
86	NanMTh6F30: A Large Family of Quaternary Thorium Fluorides. Crystal Growth and Design, 2019, 19, 1347-1355.	1.4	8
87	Utilizing an In Situ Reduction in the Synthesis of BaMoOF5. Journal of Chemical Crystallography, 2019, 49, 52-57.	0.5	2
88	Flux crystal growth, structure, magnetic and optical properties of a family of alkali uranium(IV) phosphates. Journal of Solid State Chemistry, 2019, 270, 19-26.	1.4	4
89	Overstepping LÃ¶wensteinâ€™s Ruleâ€”A Route to Unique Aluminophosphate Frameworks with Three-Dimensional Salt-Inclusion and Ion-Exchange Properties. Inorganic Chemistry, 2019, 58, 724-736.	1.9	26
90	Facile in-situ reduction: Crystal growth and magnetic studies of reduced vanadium (III/IV) silicates CaxLn1â^'xVSiO5 (Ln = Ceâ€“Nd, Smâ€“Lu, Y). Journal of Solid State Chemistry, 2018, 260, 80-86.	1.4	2

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91	Unusual Coexistence of Nickel(II) and Nickel(IV) in the Quadruple Perovskite Ba4Ni2Ir2O12 Containing Ir2NiO12 Mixed-Metal-Cation Trimers. Inorganic Chemistry, 2018, 57, 2973-2976.	1.9	7
92	Synthetic Strategies for the Synthesis of Ternary Uranium(IV) and Thorium(IV) Fluorides. Inorganic Chemistry, 2018, 57, 5597-5606.	1.9	22
93	[Co(H₂O)₆]₃[U₂O₄F₇]₂: A Model System for Understanding the Formation of Dimensionally Reduced Materials. Crystal Growth and Design, 2018, 18, 1236-1244.	1.4	8
94	In Situ Neutron Diffraction Studies of the Flux Crystal Growth of the Reduced Molybdates La4Mo2O11 and Ce4Mo2O11: Revealing Unexpected Mixed-Valent Transient Intermediates and Determining the Sequence of Events during Crystal Growth. Chemistry of Materials, 2018, 30, 1187-1197.	3.2	16
95	Magnetic and thermal behavior of a family of compositionally related zero-dimensional fluorides. Solid State Sciences, 2018, 81, 19-25.	1.5	3
96	A Family of Layered Phosphates Crystallizing in a Rare Geometrical Isomer of the Phosphuranylite Topology: Synthesis, Characterization, and Computational Modeling of A₄[(UO₂)₃O₂(PO₄)₂] (A =) Tj ETQq0 0 0 rgBT /Overlock	1.9	20
97	Na₂(UO₂)(BO₃): An All-Uranium(V) Borate Synthesized under Mild Hydrothermal Conditions. Inorganic Chemistry, 2018, 57, 4244-4247.	1.9	14
98	Observation of an Unusual Uranyl Cationâ€“Cation Interaction in the Strongly Fluorescent Layered Uranyl Phosphates Rb₆[(UO₂)₇O₄(PO₄)₄] and Cs₆[(UO₂)₇O₄(PO₄)₄]. Inorganic Chemistry, 2018, 57, 3675-3678.	1.9	24
99	Moderate supercritical synthesis as a facile route to mixed-valent uranium(iv,v) and (v,vi) silicates. Chemical Communications, 2018, 54, 13794-13797.	2.2	15
100	Understanding the Stability of Salt-Inclusion Phases for Nuclear Waste-forms through Volume-based Thermodynamics. Scientific Reports, 2018, 8, 15294.	1.6	8
101	Versatile Uranyl Germanate Framework Hosting 12 Different Alkali Halide 1D Salt Inclusions. Inorganic Chemistry, 2018, 57, 11606-11615.	1.9	29
102	Ba₃Fe_{1.56}Ir_{1.44}O₉: A Polar Semiconducting Triple Perovskite with Near Room Temperature Magnetic Ordering. Inorganic Chemistry, 2018, 57, 7362-7371.	1.9	6
103	Hierarchical Materials as Tailored Nuclear Waste Forms: A Perspective. Chemistry of Materials, 2018, 30, 4475-4488.	3.2	98
104	Breaking a Paradigm: Observation of Magnetic Order in the Purple U(IV) Phosphite: U(HPO₃)₂. Inorganic Chemistry, 2018, 57, 9851-9858.	1.9	5
105	A family of rare earth uranium oxides, RE6UO12-Î´, (RE = Rare Earth). Synthesis, structure and magnetic behavior. Journal of Solid State Chemistry, 2018, 266, 210-216.	1.4	5
106	Retention of a Paramagnetic Ground State at Low Temperatures in a Family of Structurally Related U^{IV} Phosphates. Inorganic Chemistry, 2018, 57, 9286-9295.	1.9	7
107	Ba3Na(OH)3(CO3)2: A Non-centrosymmetric Hydroxycarbonate Crystallized Using the Hydroflux Method. Journal of Chemical Crystallography, 2018, 48, 103-108.	0.5	1
108	Complex Topologies from Simple Building Blocks: Uranium(IV) Thiophosphates. Inorganic Chemistry, 2018, 57, 11175-11183.	1.9	18

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109	Function of Tetrahedral ZnS₃O Building Blocks in the Formation of SrZn₂S₂O: A Phase Matchable Polar Oxysulfide with a Large Second Harmonic Generation Response. Chemistry of Materials, 2018, 30, 6486-6493.	3.2	64
110	A Family of A-Site Cation-Deficient Double-Perovskite-Related Iridates: Ln₉Sr₂Ir₄O₂₄ (Ln = La, Pr, Nd, Sm). Inorganic Chemistry, 2018, 57, 7797-7804.	1.9	2
111	Perovskite and perovskite-related iridates. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, a38-a38.	0.0	0
112	Flux versus Hydrothermal Growth: Polymorphism of A₂(UO₂)Si₂O₆ (A = Rb, Cs). Inorganic Chemistry, 2017, 56, 1053-1056.	1.9	20
113	Application of a mild hydrothermal method to the synthesis of mixed transition-metal(<scp>ii</scp>)/uranium(<scp>iv</scp>) fluorides. Inorganic Chemistry Frontiers, 2017, 4, 368-377.	3.0	16
114	Crystal Growth and Structure Analysis of Ce₁₈W₁₀O₅₇: A Complex Oxide Containing Tungsten in an Unusual Trigonal Prismatic Coordination Environment. Inorganic Chemistry, 2017, 56, 2566-2575.	1.9	11
115	A fresnoite-structure-related mixed valent titanium(III/IV) chlorosilicate, Ba3Ti2Si4O14Cl: A flux crystal growth route to Ti(III) containing oxides. Journal of Solid State Chemistry, 2017, 250, 128-133.	1.4	8
116	One-step mild hydrothermal method to prepare low valent sodium vanadium(III) monohydrogenphosphate: NaV(HPO4)2. Solid State Sciences, 2017, 69, 1-6.	1.5	4
117	Supercritical synthesis and topological analysis of K5U5O17(OH). CrystEngComm, 2017, 19, 3499-3505.	1.3	3
118	Hydrothermal Synthesis and Crystal Structure of Hexafluorogallate, Na3GaF6. Journal of Chemical Crystallography, 2017, 47, 129-132.	0.5	8
119	BaFe₄O₇ and K_{0.22}Ba_{0.89}Fe₄O₇: Canted Antiferromagnetic Diferrites with Exceptionally High Magnetic Ordering Temperatures. Chemistry of Materials, 2017, 29, 2689-2693.	3.2	17
120	Multifaceted Modularity: A Key for Stepwise Building of Hierarchical Complexity in Actinide Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 16852-16861.	6.6	107
121	Observation of Intense X-ray Scintillation in a Family of Mixed Anion Silicates, Cs₃RESi₄O₁₀F₂ (RE = Y, Euâ€“Lu), Obtained via an Enhanced Flux Crystal Growth Technique. Journal of the American Chemical Society, 2017, 139, 17743-17746.	6.6	45
122	Oxygen Anion Solubility as a Factor in Molten Flux Crystal Growth, Synthesis, and Characterization of Four New Reduced Lanthanide Molybdenum Oxides: Ce_{4.918(3)}Mo₃O₁₆, Pr_{4.880(3)}Mo₃O₁₆, Nd_{4.910(3)}Mo₃O₁₆, and Sm_{4.952(3)}Mo₃O₁₆. Crystal Growth and Design, 2016, 16, 4225-4231.	1.4	13
123	Compositional and Structural Versatility in an Unusual Family of anti-Perovskite Fluorides: [Cu(H₂O)₄]₃[(MF₆)(Mâ€²F₆)]. Inorganic Chemistry, 2016, 55, 7167-7175.	1.9	10
124	Single crystal growth and characterization of NaxLn1âˆ’xMoO4, Ln=La, Ce, Pr, Nd, Sm, and Eu (x=0.397â€“0.499). Journal of Solid State Chemistry, 2016, 240, 76-81.	1.4	6
125	Understanding the Formation of Salt-Inclusion Phases: An Enhanced Flux Growth Method for the Targeted Synthesis of Salt-Inclusion Cesium Halide Uranyl Silicates. Journal of the American Chemical Society, 2016, 138, 7121-7129.	6.6	55
126	Flux Growth of [NaK₆F][(UO₂)₃(Si₂O₇)₂] and [KK₆Cl][(UO₂)₃(Si₂O₇)₂]: The Effect of Surface Area to Volume Ratios on Reaction Products. Crystal Growth and Design, 2016, 16, 1294-1299.	1.4	35

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