

Joseph W Kolis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4501519/publications.pdf>

Version: 2024-02-01

143
papers

2,698
citations

201674

27
h-index

254184

43
g-index

154
all docs

154
docs citations

154
times ranked

2177
citing authors

#	ARTICLE	IF	CITATIONS
1	High temperature hydrothermal synthesis of inorganic compounds. , 2022, , .		2
2	Hydrothermal single crystal growth and structural investigation of the stuffed tridymite family as NLO materials. Journal of Alloys and Compounds, 2022, 909, 164634.	5.5	3
3	Development of dispersible radioluminescent silicate nanoparticles through a sacrificial layer approach. Journal of Colloid and Interface Science, 2021, 582, 1128-1135.	9.4	3
4	Stacking Faults and Short-Range Magnetic Correlations in Single Crystal $\text{Y}_5\text{Ru}_2\text{O}_{12}$: A Structure with $\text{Ru}^{+4.5}$ One-Dimensional Chains. Physica Status Solidi (B): Basic Research, 2021, 258, 2000197.	1.5	6
5	Guanidinium sulfates as directors of noncentrosymmetric structures. CrystEngComm, 2021, 23, 1643-1656.	2.6	6
6	X-ray excited luminescence spectroscopy and imaging with $\text{NaGd}_4\text{:Eu}$ and Tb . RSC Advances, 2021, 11, 31717-31726.	3.6	3
7	Ferrite Materials Containing Kagomé Layers: Chemistry of $\text{Ba}_2\text{Fe}_{11}\text{Ge}_2\text{O}_{22}$ and $\text{K}_2\text{Co}_4\text{V}_9\text{O}_{22}$ Hexaferrites. Chemistry of Materials, 2021, 33, 2258-2266.	6.7	6
8	Epitaxial Growth of Single Crystal YAG for Optical Devices. Coatings, 2021, 11, 644.	2.6	1
9	Lanthanide rhenium oxide single crystals from hydrothermal fluids: Synthesis and Structures of Ln_2ReO_5 ($\text{Ln} = \text{Pr}, \text{Nd}$), Ln_3ReO_7 ($\text{Ln} = \text{Gd}$ and Tb) and $\text{Ln}_6\text{ReO}_{12}$ ($\text{Ln} = \text{Yb}, \text{Lu}$). Journal of Solid State Chemistry, 2021, 306, 122779.	2.9	1
10	Alkali Transition-Metal Molybdates: A Stepwise Approach to Geometrically Frustrated Systems. Chemistry - A European Journal, 2020, 26, 597-600.	3.3	12
11	Observation of a Large Magnetic Anisotropy and a Field-Induced Magnetic State in $\text{SrCo}(\text{VO}_4)_4(\text{OH})$: A Structure with a Quasi One-Dimensional Magnetic Chain. Inorganic Chemistry, 2020, 59, 1029-1037.	4.0	7
12	Synthesis, structure and magnetic properties of $\text{Ba}_3\text{M}_2\text{Ge}_4\text{O}_{14}$ ($\text{M} = \text{Mn}$ and Fe): Quasi-one-dimensional zigzag chain compounds. Journal of Solid State Chemistry, 2020, 283, 121090.	2.9	5
13	Chemistry of Metal Silicates and Germanates: The Largest Metal Polygermanate, $\text{K}_{11}\text{Mn}_2\text{Ge}_3\text{O}_{86}(\text{OH})_9(\text{H}_2\text{O})$, with a 76 Å... Periodic Lattice. Inorganic Chemistry, 2020, 59, 16804-16808.	4.0	6
14	Sodium Transition Metal Vanadates from Hydrothermal Brines: Synthesis and Characterization of $\text{NaMn}_4(\text{VO}_4)_3$, $\text{Na}_2\text{Mn}_3(\text{VO}_4)_3$, and $\text{Na}_2\text{Co}_3(\text{VO}_4)_2(\text{OH})_2$. European Journal of Inorganic Chemistry, 2020, 2020, 3408-3415.	2.0	5
15	Pseudospin versus magnetic dipole moment ordering in the isosceles triangular lattice material $\text{K}_3\text{Er}_6\text{Mo}_6\text{O}_{24}$. Physical Review B, 2020, 102, .	3.2	6
16	$\text{Yb:Lu}_2\text{O}_3$ hydrothermally grown single-crystal high-resolution absorption spectra obtained between 8 and 300ÅK. Applied Physics B: Lasers and Optics, 2020, 126, 1.	2.2	6
17	Complex magnetic order in the decorated spin-chain system $\text{Rb}_2\text{Mn}_2\text{O}_6$. Physical Review B, 2020, 101, .		
18	Hydrothermal growth of BaSnO_3 single crystals for wide bandgap applications. Journal of Crystal Growth, 2020, 536, 125529.	1.5	12

#	ARTICLE	IF	CITATIONS
19	Single crystal neutron and magnetic measurements of $\text{Rb}_2\text{Mn}_3(\text{VO}_4)_2\text{CO}_3$ and $\text{K}_2\text{Co}_3(\text{VO}_4)_2\text{CO}_3$ with mixed honeycomb and triangular magnetic lattices. Dalton Transactions, 2020, 49, 4323-4335.	3.3	10
20	Thermochemistry of rare earth oxyhydroxides, REOOH (RE = Eu to Lu). Journal of Solid State Chemistry, 2020, 287, 121344.	2.9	7
21	Hydrothermal Crystal Growth of Rare Earth Tin Cubic Pyrochlores, $\text{RE}_2\text{Sn}_2\text{O}_7$ (RE = La–Lu): Site Ordered, Low Defect Single Crystals. Crystal Growth and Design, 2019, 19, 4920-4926.	3.0	25
22	Iron Vanadates Synthesized from Hydrothermal Brines: $\text{Rb}_2\text{FeV}_6\text{O}_{16}$, $\text{Cs}_2\text{FeV}_6\text{O}_{16}$, and $\text{SrFe}_3\text{V}_{18}\text{O}_{38}$. European Journal of Inorganic Chemistry, 2019, 2019, 4538-4545.	2.0	6
23	Hydrothermal synthesis and structural characterization of several complex rare earth tantalates: $\text{Ln}_2\text{TaO}_5(\text{OH})$ (Ln = La, Pr) and $\text{Ln}_3\text{Ta}_2\text{O}_9(\text{OH})$ (Ln = Pr, Nd). Dalton Transactions, 2019, 48, 7704-7713.	3.3	6
24	Crystal Structure and Preferential Site Occupancy in $\text{Cs}_6\text{Mn}(\text{H}_2\text{O})_2(\text{VO}_3)_8$ and $\text{Cs}_5\text{KMn}(\text{H}_2\text{O})_2(\text{VO}_3)_8$. Journal of Chemical Crystallography, 2019, 49, 186-192.	1.1	2
25	Hydrothermal synthesis of lanthanide rhenium oxides: Structures and magnetism of $\text{Ln}_2\text{Re}_2\text{O}_7(\text{OH})$ (Ln = Tm, Er, Yb, Lu). Dalton Transactions, 2019, 48, 7704-7713.	2.9	6
26	Hydrothermal crystal growth of 2-D and 3-D barium rare earth germanates: $\text{BaREGeO}_4(\text{OH})$ and $\text{BaRE}_{10}(\text{GeO}_4)_4\text{O}_8$ (RE = Ho, Er). Journal of Alloys and Compounds, 2019, 786, 489-497.	5.5	6
27	Exotic Magnetic Field-Induced Spin-Superstructures in a Mixed Honeycomb-Triangular Lattice System. Physical Review X, 2019, 9, .	8.9	10
28	Magnetic Ground State Crossover in a Series of Glaserite Systems with Triangular Magnetic Lattices. Inorganic Chemistry, 2019, 58, 2813-2821.	4.0	14
29	One-Pot Absolute Stereochemical Identification of Alcohols via Guanidinium Sulfate Crystallization. Organic Letters, 2019, 21, 9622-9627.	4.6	9
30	Organic Fluorophore Coated Polycrystalline Ceramic $\text{LSO}:\text{Ce}$ Scintillators for X-ray Bioimaging. Langmuir, 2019, 35, 171-182.	3.5	14
31	Hydrothermally cladded crystalline fibers for laser applications [Invited]. Optical Materials Express, 2019, 9, 2716.	3.0	11
32	Hydrothermal single crystal growth and second harmonic generation of Li_2SiO_3 , Li_2GeO_3 and $\text{Li}_2\text{Si}_2\text{O}_5$. Journal of Crystal Growth, 2018, 493, 58-64.	1.5	12
33	Two halide-containing cesium manganese vanadates: synthesis, characterization, and magnetic properties. Dalton Transactions, 2018, 47, 2619-2627.	3.3	10
34	High temperature hydrothermal synthesis of rare-earth titanates: synthesis and structure of $\text{RE}_5\text{Ti}_4\text{O}_{15}(\text{OH})$ (RE = La, Er), $\text{Sm}_3\text{Ti}_5\text{O}_{11}(\text{OH})_3$, $\text{RE}_5\text{Ti}_2\text{O}_{11}(\text{OH})$ (RE = Tm–Lu) and $\text{Ce}_2\text{Ti}_4\text{O}_{11}$. Dalton Transactions, 2018, 47, 6754-6762.	3.3	5
35	A Cesium Rare-Earth Silicate $\text{Cs}_3\text{RESi}_6\text{O}_{15}$ (RE = Dy–Lu, Y, In): The Parent of an Unusual Structural Class Featuring a Remarkable 57 Å Unit Cell Axis. Angewandte Chemie, 2018, 130, 2099-2102.	2.0	3
36	A Cesium Rare-Earth Silicate $\text{Cs}_3\text{RESi}_6\text{O}_{15}$ (RE = Dy–Lu, Y, In): The Parent of an Unusual Structural Class Featuring a Remarkable 57 Å Unit Cell Axis. Angewandte Chemie - International Edition, 2018, 57, 2077-2080.	13.8	10

#	ARTICLE	IF	CITATIONS
37	Single Crystals of Cubic Rare-Earth Pyrochlore Germanates: RE ₂ Ge ₂ O ₇ (RE = Yb and Lu) Grown by a High-Temperature Hydrothermal Technique. <i>Inorganic Chemistry</i> , 2018, 57, 12456-12460.	4.0	16
38	The magnetic order of a manganese vanadate system with two-dimensional striped triangular lattice. <i>AIP Advances</i> , 2018, 8, 101407.	1.3	6
39	Influence of Inclusion of Apatite-based Microparticles on Osteogenic Cell Phenotype and Behavior. <i>MRS Advances</i> , 2018, 3, 2409-2420.	0.9	0
40	Three Unique Barium Manganese Vanadates from High-Temperature Hydrothermal Brines. <i>Inorganic Chemistry</i> , 2017, 56, 4206-4216.	4.0	11
41	Polar Materials with Isolated V ⁴⁺ $\langle i \rangle S \langle /i \rangle = 1/2$ Triangles: NaSr ₂ V ₃ O ₃ (Ge ₄ O ₁₃)Cl and K ₂ Sr ₂ V ₃ O ₃ (Ge ₄ O ₁₃)Cl. <i>Chemistry of Crystal Chemistry and the role of ionic radius in rare earth tetrasilicates: Ba₂RE₂Si₄O₁₂F₂ (RE = Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 552 Td</i>	6.7	18
42	Ba ₂ RE ₂ Si ₄ O ₁₃ (RE =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 532 Td (La ³⁺ /s	1.1	6
43	Engineering and Materials, 2017, 73, 907-915. Investigation of a Structural Phase Transition and Magnetic Structure of Na ₂ BaFe(VO ₄) ₂ : A Triangular Magnetic Lattice with a Ferromagnetic Ground State. <i>Inorganic Chemistry</i> , 2017, 56, 14842-14849.	4.0	15
44	One-Pot Hydrothermal Synthesis of Tb ^{III} ₁₃ (GeO ₄) ₆ O ₇ (OH) and K ₂ Tb ^{IV} Ge ₂ O ₇ : Preparation of a Stable Terbium(4+) Complex. <i>Inorganic Chemistry</i> , 2017, 56, 6044-6047.	4.0	15
45	Strontium manganese vanadates from hydrothermal brines: Synthesis and structure of Sr ₂ Mn ₂ (V ₃ O ₁₀)(VO ₄), Sr ₃ Mn(V ₂ O ₇) ₂ , and Sr ₂ Mn(VO ₄) ₂ (OH). <i>Journal of Solid State Chemistry</i> , 2017, 255, 225-233.	2.9	10
46	Crystal fiber lasers. , , .		2
47	The Application of Cryogenic Laser Physics to the Development of High Average Power Ultra-Short Pulse Lasers. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 23.	2.5	24
48	Manganese Vanadate Chemistry in Hydrothermal BaF ₂ Brines: Ba ₃ Mn ₂ (V ₂ O ₇) ₂ F ₂ and Ba ₇ Mn ₈ O ₂ (VO ₄) ₂ F ₂₃ . <i>Inorganic Chemistry</i> , 2016, 55, 12512-12515.	4.0	12
49	Cryogenic nanosecond and picosecond high average and peak power (HAPP) pump lasers for ultrafast applications. <i>High Power Laser Science and Engineering</i> , 2016, 4, .	4.6	14
50	Synthesis and characterization of new fluoride-containing manganese vanadates A ₂ Mn ₂ V ₂ O ₇ F ₂ (A=Rb,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 532 Td	2.9	19
51	Honeycomb-like S = 5/2 Spin ^{lattice} Lattices in Manganese(II) Vanadates. <i>Inorganic Chemistry</i> , 2016, 55, 9240-9249.	4.0	27
52	Hydrothermal Chemistry and Growth of Fergusonite-type RENbO ₄ (RE = La ^{Lu} , Y) Single Crystals and New Niobate Hydroxides. <i>Crystal Growth and Design</i> , 2016, 16, 4910-4917.	3.0	25
53	Crystal Chemistry and the role of ionic radius in rare earth tetrasilicates: Ba ₂ RE ₂ Si ₄ O ₁₂ F ₂ (RE =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 552 Td antiferromagnetic chain system		

#	ARTICLE	IF	CITATIONS
55	Yb:Lu ₂ O ₃ hydrothermally-grown single-crystal and ceramic absorption spectra obtained between 298 and 80 K. <i>Journal of Luminescence</i> , 2016, 174, 29-35.	3.1	7
56	Crystal growth and phase stability of Ln:Lu ₂ O ₃ (Ln=Ce, Pr, Nd, Sm, Eu, Tb, Dy, Ho, Er, Tm, Yb) in a higher-temperature hydrothermal regime. <i>Journal of Crystal Growth</i> , 2016, 452, 146-150.	1.5	25
57	Hydrothermal synthesis of single crystals of transition metal vanadates in the glaserite phase. <i>Journal of Solid State Chemistry</i> , 2016, 236, 61-68.	2.9	22
58	Europium valence control in the hydrothermal synthesis of apatites and borosilicates. <i>Journal of Alloys and Compounds</i> , 2016, 656, 206-212.	5.5	10
59	Frontispiece: Hydrothermal Formation of Calcium Copper Tetrasilicate. <i>Chemistry - A European Journal</i> , 2015, 21, n/a-n/a.	3.3	0
60	Hydrothermal Formation of Calcium Copper Tetrasilicate. <i>Chemistry - A European Journal</i> , 2015, 21, 17560-17564.	3.3	11
61	Crystal Chemistry of Alkali Thorium Silicates Under Hydrothermal Conditions. <i>Crystal Growth and Design</i> , 2015, 15, 2643-2651.	3.0	19
62	Synthetic and spectroscopic studies of vanadate glaserites I: Upconversion studies of doubly co-doped (Er, Tm, or Ho):Yb:K ₃ Y(VO ₄) ₂ . <i>Journal of Solid State Chemistry</i> , 2015, 226, 312-319.	2.9	19
63	Crystal Chemistry of Cerium Oxyfluorides: A ₂ Ce ₃ O ₇ F ₁₁ and A ₂ Ce ₃ O ₇ F ₁₂ (A=K, Rb, Cs, NH ₄). <i>Journal of Chemical Crystallography</i> , 2015, 45, 445-452.	1.1	1
64	Crystal chemistry of hydrothermally grown ternary alkali rare earth fluorides. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 768-776.	1.1	6
65	Hydrothermal Synthesis and Characterization of Novel Brackebuschite-Type Transition Metal Vanadates: Ba ₂ M(VO ₄) ₂ (OH), M = V ³⁺ , Mn ³⁺ , and Fe ³⁺ , with Interesting Jahn-Teller and Spin-Liquid Behavior. <i>Inorganic Chemistry</i> , 2015, 54, 7014-7020.	4.0	32
66	Synthetic and spectroscopic studies of vanadate glaserites II: Photoluminescence studies of Ln:K ₃ Y(VO ₄) ₂ (Ln=Eu, Er, Sm, Ho, or Tm). <i>Journal of Solid State Chemistry</i> , 2015, 226, 320-325.	2.9	12
67	Hydrothermal synthesis, structure, and property characterization of rare earth silicate compounds: NaBa ₃ Ln ₃ Si ₆ O ₂₀ (Ln=Y, Nd, Sm, Eu, Gd). <i>Solid State Sciences</i> , 2015, 48, 256-262.	3.2	12
68	Crystal structure and high-pressure stability of hydrothermally grown LiKTmF ₅ . <i>Solid State Sciences</i> , 2015, 39, 40-44.	3.2	3
69	Hydrothermal Growth of Lanthanide Borosilicates: A Useful Approach to New Acentric Crystals Including a Derivative of Cappelinite. <i>Inorganic Chemistry</i> , 2015, 54, 905-913.	4.0	16
70	Tunable vacuum ultraviolet laser based spectrometer for angle resolved photoemission spectroscopy. <i>Review of Scientific Instruments</i> , 2014, 85, 033902.	1.3	61
71	Hydrothermal Synthesis and Crystal Chemistry of Novel Fluorides with A ₇ B ₆ F ₃₁ (A=Na, K, NH ₄ , Tl; B=Ce, Tl) <i>Journal of Solid State Chemistry</i> , 2014, 226, 1078-1084.	1.1	12
72	Twinned caesium cerium(IV) pentafluoride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, i12-i13.	0.2	3

#	ARTICLE	IF	CITATIONS
73	Synthesis and luminescence studies of a novel white Dy:K3Y(VO4)2 and yellow emitting phosphor Dy,Bi:K3Y(VO4)2 with potential application in white light emitting diodes. Journal of Luminescence, 2014, 145, 492-497.	3.1	42
74	Spectral properties of hydrothermally-grown Nd:LuAG, Yb:LuAG, and Yb:Lu2O3 laser materials. Journal of Luminescence, 2014, 148, 26-32.	3.1	34
75	Synthesis and Characterization of Three New Hexaborates (Li5.5Fe0.5)FeCaB12O24, (Li5.5Fe0.5)FeSrB12O24 and (Li5.5Fe0.5)FeBaB12O24. Journal of Chemical Crystallography, 2013, 43, 96-102.	1.1	3
76	Hydrothermal Growth of Single Crystals of Lu₃Al₅O₁₂ (LuAG) and Its Doped Analogues. Crystal Growth and Design, 2013, 13, 2298-2306.	3.0	20
77	Hydrothermal synthesis and structural analysis of new mixed oxyanion borates: Ba11B26O44(PO4)2(OH)6, Li9BaB15O27(CO3) and Ba3Si2B6O16. Journal of Solid State Chemistry, 2013, 203, 166-173.	2.9	20
78	Hydrothermal Chemistry, Structures, and Luminescence Studies of Alkali Hafnium Fluorides. Inorganic Chemistry, 2013, 52, 237-244.	4.0	18
79	Crystal structures and stability of LiCeF5 and LiThF5 at high pressures: A comparative study of the coordination around the Ce4+ and Th4+ ions. Journal of Fluorine Chemistry, 2013, 156, 124-129.	1.7	15
80	Hydrothermal growth of LiLuF4 crystals and new lithium lutetium fluorides LiKLuF5 and LiNaLu2F8. Solid State Sciences, 2013, 17, 90-96.	3.2	7
81	Crystal structures and stability of K2ThF6 and K7Th6F31 on compression. Journal of Fluorine Chemistry, 2013, 150, 8-13.	1.7	10
82	The Debye Temperature for Hydrothermally Grown ThO₂ Single Crystals. Materials Research Society Symposia Proceedings, 2013, 1576, 1.	0.1	6
83	Hydrothermal Synthesis and Characterization of ThO₂, U_xTh_{1-x}O₂, and UO_x. Materials Research Society Symposia Proceedings, 2013, 1576, 1.	0.1	7
84	Hydrothermal Synthesis and Spectroscopic Properties of a New Glaserite Material, K₃RE(VO₄)₂ (RE = Sc, Y, Dy, Ho, Er, Yb, Lu, or Tm) with Potential Lasing and Optical Properties. Inorganic Chemistry, 2012, 51, 13271-13280.	4.0	39
85	Hydrothermal synthesis of new rare earth silicate fluorides: A novel class of polar materials. Journal of Solid State Chemistry, 2012, 195, 155-160.	2.9	8
86	Bulk single crystal growth from hydrothermal solutions. Philosophical Magazine, 2012, 92, 2686-2711.	1.6	39
87	Two Novel Acentric Borate Fluorides: M₃B₆O₁₁F₂ (M) Tj ETQq1_1 0.784314 rgBT (4,0 92)	4.0	92
88	Revisiting the Hydrothermal growth of YAG. Journal of Crystal Growth, 2012, 356, 58-64.	1.5	15
89	Hydrothermal Synthesis and Crystal Structure of Two New Hydrated Alkaline Earth Metal Borates Sr₃B₆O₁₁(OH)₂ and Ba₃B₆O₁₁(OH)₂. Inorganic Chemistry, 2012, 51, 3956-3962.	4.0	38
90	Hydrothermal Synthesis and Comparative Coordination Chemistry of New Rare-Earth V⁴⁺ Compounds. Inorganic Chemistry, 2012, 51, 3588-3596.	4.0	12

#	ARTICLE	IF	CITATIONS
91	Hydrothermal Synthesis and Single Crystal Structures of New Thorium Fluorides: A ₃ Ba ₂ Th ₃ F ₁₉ (A=Na, Tl) <i>Journal of Chemical Crystallography</i> , 2012, 42, 606-610.	1.1	14
92	The Crystal Structures of CsTh ₆ F ₂₅ and NaTh ₃ F ₁₃ . <i>Journal of Chemical Crystallography</i> , 2012, 42, 606-610.	1.1	13
93	The polymorphism of CsThF ₅ . <i>Solid State Sciences</i> , 2012, 14, 574-579.	3.2	12
94	Hydrothermal Descriptive Chemistry and Single Crystal Structure Determination of Cesium and Rubidium Thorium Fluorides. <i>Inorganic Chemistry</i> , 2011, 50, 11825-11831.	4.0	24
95	Hydrothermal Synthesis and Crystal Structures of Two Novel Acentric Mixed Alkaline Earth Metal Berylloborates Sr ₃ Be ₂ B ₅ O ₁₂ (OH) and Ba ₃ Be ₂ B ₅ O ₁₂ (OH). <i>Inorganic Chemistry</i> , 2011, 50, 6809-6813.	4.0	44
96	Hydrothermal Single-Crystal Growth of Lu ₂ O ₃ and Lanthanide-Doped Lu ₂ O ₃ . <i>Crystal Growth and Design</i> , 2011, 11, 4386-4391.	3.0	52
97	Crystal structures of the novel hydrated borates Ba ₂ B ₅ O ₉ (OH), Sr ₂ B ₅ O ₉ (OH) and Li ₂ Sr ₈ B ₂₂ O ₄₁ (OH) ₂ . <i>Journal of Solid State Chemistry</i> , 2011, 184, 2966-2971.	2.9	22
98	Hydrothermal synthesis of compounds in the fresnoite mineral family (Ba ₂ TiSi ₂ O ₈). <i>Journal of Solid State Chemistry</i> , 2011, 184, 1257-1262.	2.9	10
99	Hydrothermal crystal growth of the potassium niobate and potassium tantalate family of crystals. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2675-2680.	2.9	27
100	Synthesis and Structural Characterization of K ₃ Th ₂ (PO ₄) ₃ F ₂ and RbThPO ₄ F ₂ as Potential Nuclear Waste Storage Materials. <i>Journal of Chemical Crystallography</i> , 2010, 40, 337-342.	1.1	5
101	Hydrothermal crystal growth of yttrium and rare earth stabilized hafnia. <i>Journal of Crystal Growth</i> , 2010, 312, 461-465.	1.5	18
102	Hydrothermal crystal growth of fresnoite. <i>Journal of Crystal Growth</i> , 2010, 312, 3395-3400.	1.5	5
103	Hydrothermal Growth and Properties of KBe ₂ BO ₃ F ₂ (KBBF) and RbBe ₂ BO ₃ F ₂ (RBBF) Single Crystals. <i>Journal of Crystal Growth</i> , 2010, 310, 299-305.	1.5	1
104	Hydrothermal Growth and Thermal Property Characterization of ThO ₂ Single Crystals. <i>Crystal Growth and Design</i> , 2010, 10, 2146-2151.	3.0	59
105	Trigonal structures of ABe ₂ BO ₃ F ₂ (A = Rb, Cs, Tl) crystals. <i>Acta Crystallographica Section B: Structural Science</i> , 2009, 65, 445-449.	1.8	32
106	Hydrothermal Solubility and Crystal Growth of KBe ₂ BO ₃ F ₂ (KBBF). <i>Journal of Crystal Growth</i> , 2009, 310, 299-305.	1.5	0
107	The hydrothermal synthesis, growth, and optical properties of $\hat{\Gamma}^3$ -LiBO ₂ . <i>Journal of Crystal Growth</i> , 2008, 310, 299-305.	1.5	24
108	Hydrothermal crystal growth of ABe ₂ BO ₃ F ₂ (A=K, Rb, Cs, Tl) NLO crystals. <i>Journal of Crystal Growth</i> , 2008, 310, 2033-2038.	1.5	79

#	ARTICLE	IF	CITATIONS
109	Hydrothermal single crystal growth of Sc ₂ O ₃ and lanthanide-doped Sc ₂ O ₃ . Journal of Crystal Growth, 2008, 310, 1939-1942.	1.5	23
110	The hydrothermal synthesis, solubility and crystal growth of YVO ₄ and Nd:YVO ₄ . Journal of Crystal Growth, 2008, 310, 4472-4476.	1.5	18
111	The Study of Solvothermal Synthesis of Nano-Engineered CoSb ₃ Skutterudite Thermoelectric Materials. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	2
112	Growth and Properties of Doped Scandia Crystals. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
113	Fe ₂ (S ₂)(CO) ₆ and Fe ₃ Te ₂ (CO) _{9,10} . Inorganic Syntheses, 2007, , 112-116.	0.3	18
114	Hydrothermal Synthesis of the Deep-UV NLO Material Sr ₂ Be ₂ B ₂ O ₇ . Materials Research Society Symposia Proceedings, 2004, 848, 76.	0.1	3
115	Synthesis and characterization of optically nonlinear and light emitting lanthanide borates. Information Sciences, 2003, 149, 61-68.	6.9	26
116	Spectroscopic properties of Er ³⁺ and Eu ³⁺ doped acentric LaBO ₃ and GdBO ₃ . Journal of Applied Physics, 2003, 93, 8987-8994.	2.5	57
117	Growth of GaN crystals under ammonothermal conditions. Materials Research Society Symposia Proceedings, 2003, 798, 344.	0.1	13
118	Thermoelectric Properties of TiS ₂ type materials. Materials Research Society Symposia Proceedings, 2003, 793, 322.	0.1	5
119	Synchrotron white beam topography characterization of physical vapor transport grown AlN and ammonothermal GaN. Journal of Crystal Growth, 2002, 246, 271-280.	1.5	24
120	Hydrothermal Synthesis of Xenotime-type Gadolinium Orthophosphate. Journal of the American Ceramic Society, 2002, 85, 253-254.	3.8	16
121	Crystal growth of gallium nitride in supercritical ammonia. Journal of Crystal Growth, 2001, 222, 431-434.	1.5	128
122	Title is missing!. Journal of Chemical Crystallography, 2001, 31, 281-285.	1.1	21
123	<title>Synthesis and characterization of optically nonlinear and light-emitting lanthanide borates</title>. , 2001, 4452, 1.		3
124	Hydrothermal synthesis and characterization of a new hydrated ammonium barium thioarsenate: (NH ₄)BaAs ₄ ·2H ₂ O. Solid State Sciences, 2000, 2, 379-383.	3.2	4
125	Synthesis and structural characterization of CsAg ₅ Se ₃ and RbAg ₃ Te ₂ . Journal of Chemical Crystallography, 2000, 30, 223-226.	1.1	11
126	Structural, Magnetic, and Ion-Exchange Properties of a New Layered Alkaline/Alkaline Earth Iron Phosphate: NaBaFe ₄ (HPO ₄) ₃ (PO ₄) ₃ ·H ₂ O. Inorganic Chemistry, 2000, 39, 5663-5668.	4.0	8

#	ARTICLE	IF	CITATIONS
127	Synthesis of new Group III fluoride-ammonia adducts in supercritical ammonia: structures of $\text{AlF}_3(\text{NH}_3)_2$ and $\text{InF}_2(\text{NH}_2)(\text{NH}_3)$. <i>Inorganica Chimica Acta</i> , 1999, 294, 200-206.	2.4	23
128	Synthesis of Two New Metallic Alkali Metal Silver Selenides, $\text{K}_2\text{Ag}_{12}\text{Se}_7$ and RbAg_5Se_3 , from Supercritical Ethylenediamine. <i>Journal of Solid State Chemistry</i> , 1999, 144, 287-296.	2.9	13
129	Hydrothermal Synthesis, Structural Characterization, and Physical Properties of a New Mixed Valence Iron Phosphate, $\text{SrFe}_3(\text{PO}_4)_3$. <i>Journal of Solid State Chemistry</i> , 1999, 147, 390-398.	2.9	35
130	An Extended Solid from the Solvothermal Decomposition of $\text{Co}(\text{Acac})_3$: Structure and Characterization of $\text{Co}_5(\text{OH})_2(\text{O}_2\text{CCH}_3)_8 \cdot 2\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 1999, 38, 194-196.	4.0	69
131	Synthesis and characterization of MAgSe_4 ($\text{M}=\text{Rb}, \text{Cs}$). <i>Journal of Chemical Crystallography</i> , 1998, 28, 705-711.	1.1	9
132	Oxidation of Alkenes in Supercritical Carbon Dioxide Catalyzed by Molybdenum Hexacarbonyl. <i>Organometallics</i> , 1998, 17, 4454-4460.	2.3	51
133	Materials Chemistry and Bulk Crystal Growth of Group III Nitrides in Supercritical Ammonia. <i>Materials Research Society Symposia Proceedings</i> , 1997, 495, 367.	0.1	21
134	Metal Hexaammine as a Bulky Cation: Structural and Property Studies of $[\text{M}(\text{NH}_3)_6]\text{Cu}_8\text{Sb}_3\text{S}_{13}$ ($\text{M} = \text{Mn}, \text{Tl}$). <i>Journal of Solid State Chemistry</i> , 1997, 100, 1-10.	0.7	57
135	Synthesis and Characterization of Novel One-Dimensional Phases from Supercritical Ammonia: $\text{Cs}_3\text{Ag}_2\text{Sb}_3\text{S}_8$, $\text{Cs}_2\text{AgSbS}_4$, and $\text{Cs}_2\text{AgAsS}_4$. <i>Chemistry of Materials</i> , 1996, 8, 721-726.	6.7	79
136	$[\text{Fe}_2(\text{Sb}_2\text{S}_6)(\text{CO})_6]^{2+}$: A Cationic Group 15/16 Metal Cluster. <i>Inorganic Chemistry</i> , 1996, 35, 4534-4535.	4.0	15
137	Synthesis and Characterization of $[\text{Yb}(\text{NH}_3)_8][\text{Cu}(\text{S}_4)_2] \cdot \text{NH}_3$, $[\text{Yb}(\text{NH}_3)_8][\text{Ag}(\text{S}_4)_2] \cdot 2\text{NH}_3$, and $[\text{La}(\text{NH}_3)_9][\text{Cu}(\text{S}_4)_2]$ in Supercritical Ammonia: Metal Sulfide Salts of the First Homoleptic Lanthanide Ammine Complexes. <i>Inorganic Chemistry</i> , 1996, 35, 7620-7625.	4.0	36
138	Synthesis of New Low-Dimensional Quaternary Compounds, KCu_2AsS_3 and KCu_4AsS_4 , in Supercritical Amine Solvent. <i>Alkali Metal Derivatives of Sulfosalts</i> . <i>Inorganic Chemistry</i> , 1994, 33, 1733-1734.	4.0	86
139	Synthesis of New Channeled Structures in Supercritical Amines: Preparation and Structure of RbAg_5S_3 and CsAg_7S_4 . <i>Inorganic Chemistry</i> , 1994, 33, 1556-1558.	4.0	52
140	Novel Iron Carbonyl Telluride Clusters: Synthesis and Characterization of $[\text{Fe}_5\text{Te}_4(\text{CO})_{14}]^{2-}$ and $[\text{Fe}_8\text{Te}_{10}(\text{CO})_{20}]^{2-}$. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 913-915.	4.4	45
141	Synthese und Struktur von $[\text{Se}=\text{W}(\text{PSe}_4)(\text{PSe}_2)]^{2-}$; ein Dianion mit einer heteroallylischen PSe_2 -Einheit. <i>Angewandte Chemie</i> , 1990, 102, 1502-1504.	2.0	4
142	Soluble Chromium Selenides and Tellurides: Preparation and Structures of $[(\text{C}_6\text{H}_5)_4\text{P}]_3[\text{Cr}_3\text{Te}_4]$ and $[(\text{C}_6\text{H}_5)_4\text{P}]_3[\text{Cr}_3\text{Se}_4]$. <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 1702-1703.	4.4	17
143	Hydrothermal Single Crystal Growth and Structural Investigation of the Nepheline and Kalsilite Stuffed Tridymite Species. <i>Journal of Chemical Crystallography</i> , 0, , 1.	1.1	3