

Joseph W Kolis

List of Publications by Year in descending order

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143
papers

2,698
citations

201674

27
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254184

43
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154
all docs

154
docs citations

154
times ranked

2177
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal growth of gallium nitride in supercritical ammonia. Journal of Crystal Growth, 2001, 222, 431-434.	1.5	128
2	Two Novel Acentric Borate Fluorides: $M_3B_6O_{11}F_2$ (M = Tl, Et, Q, O, Rg, B, Tl, Overlock)	4.0	92
3	Synthesis of New Low-Dimensional Quaternary Compounds, KCu_2AsS_3 and KCu_4AsS_4 , in Supercritical Amine Solvent. Alkali Metal Derivatives of Sulfosalts. Inorganic Chemistry, 1994, 33, 1733-1734.	4.0	86
4	Synthesis and Characterization of Novel One-Dimensional Phases from Supercritical Ammonia: \hat{A} $Cs_3Ag_2Sb_3S_8$, \hat{I}^\pm and \hat{I}^2 - Cs_2AgSbS_4 , and Cs_2AgAsS_4 . Chemistry of Materials, 1996, 8, 721-726.	6.7	79
5	Hydrothermal crystal growth of $ABe_2BO_3F_2$ (A=K, Rb, Cs, Tl) NLO crystals. Journal of Crystal Growth, 2008, 310, 2033-2038.	1.5	79
6	An Extended Solid from the Solvothermal Decomposition of $Co(Acac)_3 \cdot \hat{a}\%$. Structure and Characterization of $Co_5(OH)_2(O_2CCH_3)_8 \cdot 2H_2O$. Inorganic Chemistry, 1999, 38, 194-196.	4.0	69
7	Tunable vacuum ultraviolet laser based spectrometer for angle resolved photoemission spectroscopy. Review of Scientific Instruments, 2014, 85, 033902.	1.3	61
8	Hydrothermal Growth and Thermal Property Characterization of ThO_2 Single Crystals. Crystal Growth and Design, 2010, 10, 2146-2151.	3.0	59
9	Metal Hexaammine as a Bulky Cation: \hat{A} Structural and Property Studies of $[M(NH_3)_6]Cu_8Sb_3S_{13}$ (M = Mn, Tl, Et, Q, O, Rg, B, Tl, Overlock)	8.7	114
10	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
11	Hydrothermal synthesis as a route to mineralogically-inspired structures. Dalton Transactions, 2016, 45, 2772-2784.	3.3	53
12	Synthesis of New Channeled Structures in Supercritical Amines: Preparation and Structure of $RbAg_5S_3$ and $CsAg_7S_4$. Inorganic Chemistry, 1994, 33, 1556-1558.	4.0	52
13	Hydrothermal Single-Crystal Growth of Lu_2O_3 and Lanthanide-Doped Lu_2O_3 . Crystal Growth and Design, 2011, 11, 4386-4391.	3.0	52
14	Oxidation of Alkenes in Supercritical Carbon Dioxide Catalyzed by Molybdenum Hexacarbonyl. Organometallics, 1998, 17, 4454-4460.	2.3	51
15	Novel Iron Carbonyl Telluride Clusters: Synthesis and Characterization of $[Fe_5Te_4(CO)_{14}]_2$ and $[Fe_8Te_{10}(CO)_{20}]_2$. Angewandte Chemie International Edition in English, 1992, 31, 913-915.	4.4	45
16	Hydrothermal Synthesis and Crystal Structures of Two Novel Acentric Mixed Alkaline Earth Metal Beryllorborates $Sr_3Be_2B_5O_{12}(OH)$ and $Ba_3Be_2B_5O_{12}(OH)$. Inorganic Chemistry, 2011, 50, 6809-6813.	4.0	44
17	Synthesis and luminescence studies of a novel white $Dy:K_3Y(VO_4)_2$ and yellow emitting phosphor $Dy, Bi:K_3Y(VO_4)_2$ with potential application in white light emitting diodes. Journal of Luminescence, 2014, 145, 492-497.	3.1	42
18	Hydrothermal Synthesis and Spectroscopic Properties of a New Glaserite Material, $K_3RE(VO_4)_2$ ($RE = Sc, Y, Dy, Ho, Er, Yb, Lu, \text{ or } Tm$) with Potential Lasing and Optical Properties. Inorganic Chemistry, 2012, 51, 13271-13280.	4.0	39

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19	Bulk single crystal growth from hydrothermal solutions. Philosophical Magazine, 2012, 92, 2686-2711.	1.6	39
20	Hydrothermal Synthesis and Crystal Structure of Two New Hydrated Alkaline Earth Metal Borates $\text{Sr}_3\text{B}_6\text{O}_{11}(\text{OH})_2$ and $\text{Ba}_3\text{B}_6\text{O}_{11}(\text{OH})_2$. Inorganic Chemistry, 2012, 51, 3956-3962.	4.0	38
21	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: A Metal Sulfide Salts of the First Homoleptic Lanthanide Ammine Complexes. Inorganic Chemistry, 1996, 35, 7620-7625.	4.0	36
22	Hydrothermal Synthesis, Structural Characterization, and Physical Properties of a New Mixed Valence Iron Phosphate, $\text{SrFe}_3(\text{PO}_4)_3$. Journal of Solid State Chemistry, 1999, 147, 390-398.	2.9	35
23	Spectral properties of hydrothermally-grown Nd:LuAG, Yb:LuAG, and Yb:Lu ₂ O ₃ laser materials. Journal of Luminescence, 2014, 148, 26-32.	3.1	34
24	Trigonal structures of $\text{A}_2\text{Be}_2\text{BO}_3\text{F}_2$ ($\text{A} = \text{Rb}, \text{Cs}, \text{Tl}$) crystals. Acta Crystallographica Section B: Structural Science, 2009, 65, 445-449.	1.8	32
25	Hydrothermal Synthesis and Characterization of Novel Brackebuschite-Type Transition Metal Vanadates: $\text{Ba}_2\text{M}(\text{VO}_4)_2(\text{OH})$, $\text{M} = \text{V}^{3+}$, Mn^{3+} , and Fe^{3+} , with Interesting Jahn-Teller and Spin-Liquid Behavior. Inorganic Chemistry, 2013, 52, 5145-5150.	4.0	32
26	Structural and magnetic characterization of the one-dimensional $\text{S}^2\text{O}_5^{2-}$ antiferromagnetic chain system		

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37	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
38	Hydrothermal single crystal growth of Sc_2O_3 and lanthanide-doped Sc_2O_3 . <i>Journal of Crystal Growth</i> , 2008, 310, 1939-1942.	1.5	23
39	Crystal structures of the novel hydrated borates $\text{Ba}_2\text{B}_5\text{O}_9(\text{OH})$, $\text{Sr}_2\text{B}_5\text{O}_9(\text{OH})$ and $\text{Li}_2\text{Sr}_8\text{B}_{22}\text{O}_{41}(\text{OH})_2$. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2966-2971.	2.9	22
40	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
41	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
42	Title is missing!. <i>Journal of Chemical Crystallography</i> , 2001, 31, 281-285.	1.1	21
43	Hydrothermal Growth of Single Crystals of $\text{Lu}_3\text{Al}_5\text{O}_{12}$ (LuAG) and Its Doped Analogues. <i>Crystal Growth and Design</i> , 2013, 13, 2298-2306.	3.0	20
44	Hydrothermal synthesis and structural analysis of new mixed oxyanion borates: $\text{Ba}_{11}\text{B}_2\text{O}_{44}(\text{PO}_4)_2(\text{OH})_6$, $\text{Li}_9\text{BaB}_{15}\text{O}_{27}(\text{CO}_3)$ and $\text{Ba}_3\text{Si}_2\text{B}_6\text{O}_{16}$. <i>Journal of Solid State Chemistry</i> , 2013, 203, 166-173.	2.9	20
45	Crystal Chemistry of Alkali Thorium Silicates Under Hydrothermal Conditions. <i>Crystal Growth and Design</i> , 2015, 15, 2643-2651.	3.0	19
46	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
47	Synthesis and characterization of new fluoride-containing manganese vanadates $\text{A}_2\text{Mn}_2\text{V}_2\text{O}_7\text{F}_2$ (A=Rb, Tl, Cs, Rb, K, Ag, Na, Li). <i>Journal of Solid State Chemistry</i> , 2015, 226, 312-319.	2.9	19
48	$\text{Fe}_2(\text{S}_2)(\text{CO})_6$ and $\text{Fe}_3\text{Te}_2(\text{CO})_{9,10}$. <i>Inorganic Syntheses</i> , 2007, , 112-116.	0.3	18
49	The hydrothermal synthesis, solubility and crystal growth of YVO_4 and Nd:YVO_4 . <i>Journal of Crystal Growth</i> , 2008, 310, 4472-4476.	1.5	18
50	Hydrothermal crystal growth of yttrium and rare earth stabilized hafnia. <i>Journal of Crystal Growth</i> , 2010, 312, 461-465.	1.5	18
51	Hydrothermal Chemistry, Structures, and Luminescence Studies of Alkali Hafnium Fluorides. <i>Inorganic Chemistry</i> , 2013, 52, 237-244.	4.0	18
52	Polar Materials with Isolated V^{4+} $\langle 111 \rangle$ Triangles: $\text{NaSr}_2\text{V}_3\text{O}_{13}(\text{Ge}_4\text{O}_{13})\text{Cl}$ and $\text{KSr}_2\text{V}_3\text{O}_{13}(\text{Ge}_4\text{O}_{13})\text{Cl}$. <i>Chemistry of Materials</i> , 2017, 29, 1404-1412.	6.7	18
53	Soluble Chromium Selenides and Tellurides: Preparation and Structures of $[(\text{C}_6\text{H}_5)_4\text{P}]_3[\text{Cr}_3\text{Te}_{24}]$ and $[(\text{C}_6\text{H}_5)_4\text{P}]_3[\text{Cr}_3\text{Se}_{24}]$. <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 1702-1703.	4.4	17
54	Hydrothermal Synthesis of Xenotime-type Gadolinium Orthophosphate. <i>Journal of the American Ceramic Society</i> , 2002, 85, 253-254.	3.8	16

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55	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
56	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
57	[Fe ₂ (Sb ₂ S ₆)(CO) ₆] ₂₊ : A Cationic Group 15/16 Metal Cluster. <i>Inorganic Chemistry</i> , 1996, 35, 4534-4535.	4.0	15
58	Revisiting the Hydrothermal growth of YAG. <i>Journal of Crystal Growth</i> , 2012, 356, 58-64.	1.5	15
59	Crystal structures and stability of LiCeF ₅ and LiThF ₅ at high pressures: A comparative study of the coordination around the Ce ⁴⁺ and Th ⁴⁺ ions. <i>Journal of Fluorine Chemistry</i> , 2013, 156, 124-129.	1.7	15
60	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
61	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
62	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
63	Magnetic Ground State Crossover in a Series of Glaserite Systems with Triangular Magnetic Lattices. <i>Inorganic Chemistry</i> , 2019, 58, 2813-2821.	4.0	14
64	Organic Fluorophore Coated Polycrystalline Ceramic LSO:Ce Scintillators for X-ray Bioimaging. <i>Langmuir</i> , 2019, 35, 171-182.	3.5	14
65	Synthesis of Two New Metallic Alkali Metal Silver Selenides, K ₂ Ag ₁₂ Se _{7.11} and RbAg ₅ Se ₃ , from Supercritical Ethylenediamine. <i>Journal of Solid State Chemistry</i> , 1999, 144, 287-296.	2.9	13
66	Growth of GaN crystals under ammonothermal conditions. <i>Materials Research Society Symposia Proceedings</i> , 2003, 798, 344.	0.1	13
67	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
68	Hydrothermal Synthesis and Comparative Coordination Chemistry of New Rare-Earth V ⁴⁺ Compounds. <i>Inorganic Chemistry</i> , 2012, 51, 3588-3596.	4.0	12
69	The polymorphism of CsThF ₅ . <i>Solid State Sciences</i> , 2012, 14, 574-579.	3.2	12
70	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>ETQq0 0 0 pgBT /Over</i>	1.1	12
71	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
72	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

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73	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
74	Hydrothermal single crystal growth and second harmonic generation of Li ₂ SiO ₃ , Li ₂ GeO ₃ and Li ₂ Si ₂ O ₅ . <i>Journal of Crystal Growth</i> , 2018, 493, 58-64.	1.5	12
75	Alkali Transition-Metal Molybdates: A Stepwise Approach to Geometrically Frustrated Systems. <i>Chemistry - A European Journal</i> , 2020, 26, 597-600.	3.3	12
76	Hydrothermal growth of BaSnO ₃ single crystals for wide bandgap applications. <i>Journal of Crystal Growth</i> , 2020, 536, 125529.	1.5	12
77	Synthesis and structural characterization of CsAg ₅ Se ₃ and RbAg ₃ Te ₂ . <i>Journal of Chemical Crystallography</i> , 2000, 30, 223-226.	1.1	11
78	Hydrothermal Formation of Calcium Copper Tetrasilicate. <i>Chemistry - A European Journal</i> , 2015, 21, 17560-17564.	3.3	11
79	Three Unique Barium Manganese Vanadates from High-Temperature Hydrothermal Brines. <i>Inorganic Chemistry</i> , 2017, 56, 4206-4216.	4.0	11
80	Hydrothermally cladded crystalline fibers for laser applications [Invited]. <i>Optical Materials Express</i> , 2019, 9, 2716.	3.0	11
81	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
82	Crystal structures and stability of K ₂ ThF ₆ and K ₇ Th ₆ F ₃₁ on compression. <i>Journal of Fluorine Chemistry</i> , 2013, 150, 8-13.	1.7	10
83	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
84	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
85	Two halide-containing cesium manganese vanadates: synthesis, characterization, and magnetic properties. <i>Dalton Transactions</i> , 2018, 47, 2619-2627.	3.3	10
86	A Cesium Rare-Earth Silicate Cs ₃ RESi ₆ O ₁₅ (RE=Dy, Lu, Y, In): The Parent of an Unusual Structural Class Featuring a Remarkable 57 Å Unit Cell Axis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2077-2080.	13.8	10
87	Exotic Magnetic Field-Induced Spin-Superstructures in a Mixed Honeycomb-Triangular Lattice System. <i>Physical Review X</i> , 2019, 9, .	8.9	10
88	Single crystal neutron and magnetic measurements of Rb ₂ Mn ₃ (VO ₄) ₂ CO ₃ and K ₂ Co ₃ (VO ₄) ₂ CO ₃ with mixed honeycomb and triangular magnetic lattices. <i>Dalton Transactions</i> , 2020, 49, 4323-4335.	3.3	10
89	Synthesis and characterization of MAgSe ₄ (M=Rb, Cs). <i>Journal of Chemical Crystallography</i> , 1998, 28, 705-711.	1.1	9
90	One-Pot Absolute Stereochemical Identification of Alcohols via Guanidinium Sulfate Crystallization. <i>Organic Letters</i> , 2019, 21, 9622-9627.	4.6	9

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91	Structural, Magnetic, and Ion-Exchange Properties of a New Layered Alkaline/Alkaline Earth Iron Phosphate: $\text{NaBaFe}_4(\text{HPO}_4)_3(\text{PO}_4)_3 \cdot \text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 2000, 39, 5663-5668.	4.0	8
92	Hydrothermal synthesis of new rare earth silicate fluorides: A novel class of polar materials. <i>Journal of Solid State Chemistry</i> , 2012, 195, 155-160.	2.9	8
93	Hydrothermal growth of LiLuF_4 crystals and new lithium lutetium fluorides LiKLuF_5 and $\text{LiNaLu}_2\text{F}_8$. <i>Solid State Sciences</i> , 2013, 17, 90-96.	3.2	7
94	Hydrothermal Synthesis and Characterization of ThO_2 , UO_2 , $\text{Th}_1-x\text{U}_x\text{O}_2$, and UO_2 . <i>Materials Research Society Symposia Proceedings</i> , 2013, 1576, 1.	0.1	7
95	$\text{Yb:Lu}_2\text{O}_3$ 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
96	Observation of a Large Magnetic Anisotropy and a Field-Induced Magnetic State in $\text{SrCo}(\text{VO}_4)(\text{OH})$: A Structure with a Quasi One-Dimensional Magnetic Chain. <i>Inorganic Chemistry</i> , 2020, 59, 1029-1037.	4.0	7
97	Thermochemistry of rare earth oxyhydroxides, REOOH (RE = Eu to Lu). <i>Journal of Solid State Chemistry</i> , 2020, 287, 121344.	2.9	7
98	Hydrothermal Synthesis and Single Crystal Structures of New Thorium Fluorides: $\text{A}_3\text{Ba}_2\text{Th}_3\text{F}_{19}$ (A = Na, Tl). <i>Journal of Solid State Chemistry</i> , 2013, 217, 1-6.	0.1	6
99	The Debye Temperature for Hydrothermally Grown ThO_2 Single Crystals. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1576, 1.	0.1	6
100	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
101	Crystal chemistry and the role of ionic radius in rare earth tetrasilicates: $\text{Ba}_2\text{RE}_2\text{Si}_4\text{O}_{12}\text{F}_2$ (RE = Tl, Ba, Sr, Ca, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Y, Lu). <i>Journal of Solid State Chemistry</i> , 2017, 73, 907-915.	1.1	6
102	The magnetic order of a manganese vanadate system with two-dimensional striped triangular lattice. <i>AIP Advances</i> , 2018, 8, 101407.	1.3	6
103	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 $\text{SrFe}_3\text{V}_{18}\text{O}_{38}$. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4538-4545.	2.0	6
104	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). <i>Dalton Transactions</i> , 2019, 48, 7704-7713.	3.3	6
105	Hydrothermal synthesis of lanthanide rhenium oxides: Structures and magnetism of $\text{Ln}_2\text{Re}_2\text{O}_7(\text{OH})$ (Ln = La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Y, Lu). <i>Journal of Solid State Chemistry</i> , 2019, 217, 1-6.	2.9	6
106	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). <i>Journal of Alloys and Compounds</i> , 2019, 786, 489-497.	5.5	6
107	Chemistry of Metal Silicates and Germanates: The Largest Metal Polygermanate, $\text{K}_{11}\text{Mn}_{21}\text{Ge}_{32}\text{O}_{86}(\text{OH})_9(\text{H}_2\text{O})$, with a 76 Å... Periodic Lattice. <i>Inorganic Chemistry</i> , 2020, 59, 16804-16808.	4.0	6
108	Pseudospin versus magnetic dipole moment ordering in the isosceles triangular lattice material $\text{K}_3\text{Er}_3\text{Mg}_6(\text{PO}_4)_6$. <i>Physical Review B</i> , 2020, 102, .	3.2	6

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127	A Cesium Rare-Earth Silicate Cs ₃ RESi ₆ O ₁₅ (RE=Dy, Lu, Y, In): The Parent of an Unusual Structural Class Featuring a Remarkable 57 Å Unit Cell Axis. <i>Angewandte Chemie</i> , 2018, 130, 2099-2102.	2.0	3
128	Development of dispersible radioluminescent silicate nanoparticles through a sacrificial layer approach. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 1128-1135.	9.4	3
129	X-ray excited luminescence spectroscopy and imaging with NaGdF ₄ :Eu and Tb. <i>RSC Advances</i> , 2021, 11, 31717-31726.	3.6	3
130	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
131	Hydrothermal single crystal growth and structural investigation of the stuffed tridymite family as NLO materials. <i>Journal of Alloys and Compounds</i> , 2022, 909, 164634.	5.5	3
132	The Study of Solvothermal Synthesis of Nano-Engineered CoSb ₃ Skutterudite Thermoelectric Materials. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1044, 1.	0.1	2
133	Crystal Structure and Preferential Site Occupancy in Cs ₆ Mn(H ₂ O) ₂ (VO ₃) ₈ and Cs ₅ KMn(H ₂ O) ₂ (VO ₃) ₈ . <i>Journal of Chemical Crystallography</i> , 2019, 49, 186-192.	1.1	2
134	Crystal fiber lasers. , 2017, , .		2
135	High temperature hydrothermal synthesis of inorganic compounds. , 2022, , .		2
136	Hydrothermal Growth and Properties of KBe ₂ BO ₃ F ₂ (KBBF) and RbBe ₂ BO ₃ F ₂ (RBBF) Single Crystals. , 2010, , .		1
137	Crystal Chemistry of Cerium Oxyfluorides: ACe ₃ OF ₁₁ and A ₂ Ce ₃ OF ₁₂ (A=K, Rb, Cs, NH ₄). <i>Journal of Chemical Crystallography</i> , 2015, 45, 445-452.	1.1	1
138	Epitaxial Growth of Single Crystal YAG for Optical Devices. <i>Coatings</i> , 2021, 11, 644.	2.6	1
139	Lanthanide rhenium oxide single crystals from hydrothermal fluids: Synthesis and Structures of Ln ₂ ReO ₅ (Ln = Pr, Nd), Ln ₃ ReO ₇ (Ln = Gd and Tb) and Ln ₆ ReO ₁₂ (Ln = Yb, Lu). <i>Journal of Solid State Chemistry</i> , 2021, 306, 122779.	2.9	1
140	Growth and Properties of Doped Scandia Crystals. <i>Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS</i> , 2007, , .	0.0	0
141	Frontispiece: Hydrothermal Formation of Calcium Copper Tetrasilicate. <i>Chemistry - A European Journal</i> , 2015, 21, n/a-n/a.	3.3	0
142	Influence of Inclusion of Apatite-based Microparticles on Osteogenic Cell Phenotype and Behavior. <i>MRS Advances</i> , 2018, 3, 2409-2420.	0.9	0
143	Hydrothermal Solubility and Crystal Growth of KBe ₂ BO ₃ F ₂ (KBBF). , 2009, , .		0