

Colin D Mcmillen

List of Publications by Year in descending order

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163
papers

2,264
citations

257450

24
h-index

345221

36
g-index

165
all docs

165
docs citations

165
times ranked

2065
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Structures of a New Polymorph of N-tert-butyl-2-thioimidazole, and Its 1,4-Diiodotetrafluorobenzene, Tetraiodoethylene, and Iodine Cocrystals. <i>Journal of Chemical Crystallography</i> , 2022, 52, 62-72.	1.1	4
2	Bipolar charge transport in a robust hexacoordinate organosilane. <i>Journal of Organometallic Chemistry</i> , 2022, 961, 122208.	1.8	1
3	2,5-Diiodothiophene: A Versatile Halogen Bonding Synthone for Crystal Engineering. <i>Crystal Growth and Design</i> , 2022, 22, 1906-1913.	3.0	7
4	High temperature hydrothermal synthesis of inorganic compounds. , 2022, , .		2
5	A Novel Route to Fibers with Incongruent and Volatile Crystalline Semiconductor Cores: GaAs. <i>ACS Photonics</i> , 2022, 9, 1058-1064.	6.6	11
6	Synthesis of Thiosemicarbazones and Their Organoiodine Cocrystals: Cooperative Effects of Halogen and Hydrogen Bonding. <i>Journal of Chemical Crystallography</i> , 2022, 52, 512-524.	1.1	1
7	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
8	Silicate as a Versatile Matrix for the Aqueous Synthesis of Metal Sulfide Nanoparticles. <i>Chemistry Methods</i> , 2022, 2, .	3.8	1
9	Iodine-induced electrical conductivity of novel columnar lanthanide metal-organic frameworks based on a butterfly-shaped π -extended tetrathiafulvalene ligand. <i>Materials Advances</i> , 2022, 3, 6157-6160.	5.4	1
10	Role of the Trifluoropropynyl Ligand in Blue-Shifting Charge-Transfer States in Emissive Pt Diimine Complexes and an Investigation into the PMMA-Imposed Rigidoluminescence and Rigidochromism. <i>Inorganic Chemistry</i> , 2022, 61, 11366-11376.	4.0	5
11	Photochemistry and Photophysics of Charge-Transfer Excited States in Emissive Ir^{III} Heterobimetallic Titanocene Tweezer Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 10986-10998.	4.0	9
12	Synthesis, structure, and hydrogen evolution studies of a heteroleptic Co(III) complex. <i>Inorganica Chimica Acta</i> , 2021, 517, 120195.	2.4	1
13	Isolation of hydrazine oxidation products via halogen bonding: C-H...I bond scission and crystal polymorphism. <i>CrystEngComm</i> , 2021, 23, 419-426.	2.6	3
14	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. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000197.	1.5	6
15	Guanidinium sulfates as directors of noncentrosymmetric structures. <i>CrystEngComm</i> , 2021, 23, 1643-1656.	2.6	6
16	X-ray excited luminescence spectroscopy and imaging with $\text{NaGdF}_4\text{:Eu}$ and Tb . <i>RSC Advances</i> , 2021, 11, 31717-31726.	3.6	3
17	One dimensional halogen bond design: $\text{Br}^{\cdot\cdot}\text{N}$ versus $\text{I}^{\cdot\cdot}\text{N}$ with fluoroarenes. <i>CrystEngComm</i> , 2021, 23, 6098-6106.	2.6	6
18	Halogen Bonding of Organoiodines and Triiodide Anions in $(\text{NMe}_3\text{Ph})^+\text{I}_3^-$ Salts. <i>ChemPlusChem</i> , 2021, 86, 612-621.	2.8	1

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19	Halogen and Chalcogen Bonding Between the Triphenylphosphine Chalcogenides (Ph ₃ P=E; E=O, S, Se) and Iodofluorobenzenes. <i>ChemPlusChem</i> , 2021, 86, 549-557.	2.8	7
20	Ferrite Materials Containing KagomÃ© Layers: Chemistry of Ba ₂ Fe ₁₁ Ge ₂ O ₂₂ and K ₂ Co ₄ V ₉ O ₂₂ Hexaferrites. <i>Chemistry of Materials</i> , 2021, 33, 2258-2266.	6.7	6
21	Synthesis, characterization, X-ray crystallography analysis and cell viability study of (l-6-p-cymene)Ru(NH ₂ R)X ₂ (X=ÅCl, Br) derivatives. <i>Polyhedron</i> , 2021, 200, 115130.	2.2	2
22	Crystal Engineering Using Polyiodide Halogen and Chalcogen Bonding to Isolate the Phenothiazinium Radical Cation and Its Rare Dimer, 10â€³â€³Phenothiazinylidene)phenothiazinium. <i>Chemistry - A European Journal</i> , 2021, 27, 8398-8405.	3.3	8
23	Exploring the Role of Intramolecular Interactions in the Suppression of Quantum Tunneling of the Magnetization in a 3d-4f Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2021, 60, 9302-9308.	4.0	25
24	Physicochemical and X-ray crystallographic properties of the first rhenium compound of benzophenone thiosemicarbazone (bptsc), fac-[Re(CO) ₃ (f ² -Nim,S-bptsc)Cl]. <i>Journal of Molecular Structure</i> , 2021, 1235, 130135.	3.6	2
25	Polymorphism, Halogen Bonding, and Chalcogen Bonding in the Diiodine Adducts of 1,3- and 1,4-Dithiane. <i>Molecules</i> , 2021, 26, 4985.	3.8	2
26	The reaction of thiourea and 1,3-dimethylthiourea towards organoiodines: oxidative bond formation and halogen bonding. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 599-609.	0.5	6
27	Halogen Bonding in Dithiane/Iodofluorobenzene Mixtures: A New Class of Hydrophobic Deep Eutectic Solvents. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22983-22989.	13.8	24
28	Ligand-to-Metal Charge-Transfer Photophysics and Photochemistry of Emissive d ⁰ Titanocenes: A Spectroscopic and Computational Investigation. <i>Inorganic Chemistry</i> , 2021, 60, 14399-14409.	4.0	17
29	Halogen Bonding in Dithiane/Iodofluorobenzene Mixtures: A New Class of Hydrophobic Deep Eutectic Solvents. <i>Angewandte Chemie</i> , 2021, 133, 23165.	2.0	7
30	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
31	Alkali Transitionâ€³Metal Molybdates: A Stepwise Approach to Geometrically Frustrated Systems. <i>Chemistry - A European Journal</i> , 2020, 26, 597-600.	3.3	12
32	Structural characterization of the metalloligand t ₂ byPt(C ₂₂ -py) ₂ and its interaction with Pd(OAc) ₂ . <i>Inorganic Chemistry Communication</i> , 2020, 112, 107722.	3.9	1
33	Single-crystal X-ray diffraction dataset for 3,5-difluoro-2,6-bis(4-iodophenoxy)-4-phenoxy pyridine. <i>Data in Brief</i> , 2020, 28, 104956.	1.0	1
34	Synthesis, structure and magnetic properties of Ba ₃ M ₂ Ge ₄ O ₁₄ (M = Mn and Fe): Quasi-one-dimensional zigzag chain compounds. <i>Journal of Solid State Chemistry</i> , 2020, 283, 121090.	2.9	5
35	Zinc(II) thione and selone complexes: The effect of metal redox activity on ligand-based oxidation. <i>Inorganica Chimica Acta</i> , 2020, 502, 119379.	2.4	4
36	Chemistry of Metal Silicates and Germanates: The Largest Metal Polygermanate, K ₁₁ Mn ₂₁ Ge ₃₂ O ₈₆ (OH) ₉ (H ₂ O), with a 76 Å... Periodic Lattice. <i>Inorganic Chemistry</i> , 2020, 59, 16804-16808.	4.0	6

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37	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 . <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3408-3415.	2.0	5
38	Phosphorus-Iodine Halogen Bonding in Cocrystals of Bis(diphenylphosphino)ethane (dppe) and <i>p</i> -Diiodotetrafluorobenzene (<i>p</i> -F ₄ DIB). <i>Crystal Growth and Design</i> , 2020, 20, 7460-7469.	3.0	7
39	Exploiting a C-F Activation Strategy to Generate Novel Tris(pyrazolyl)methane Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 1886-1891.	1.2	1
40	Ethylene-Bridged Tetradentate Bis(amidines): Supramolecular Assemblies through Hydrogen Bonding and Photoluminescence upon Deprotonation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3243-3250.	2.4	5
41	Fluorinated Aminopyridines: Synthesis, Structure, and Rare Liquid-Liquid Cocrystal Formation Driven by Unusually Short N-H...F Hydrogen Bonding. <i>Crystal Growth and Design</i> , 2020, 20, 5484-5492.	3.0	3
42	N-substituted 2-pyridinecarbothioamides and polypyridyl mixed-ligand cobalt(III)-containing complexes for photocatalytic hydrogen generation. <i>Inorganica Chimica Acta</i> , 2020, 510, 119726.	2.4	4
43	Synthesis, structure, and properties of the multinuclear cobalt core POM Na ₁₄ [Co ₃ O(H ₂ O)(A±PW ₉ O ₃₄) ₂]-29.5H ₂ O. <i>Inorganica Chimica Acta</i> , 2020, 509, 119690.	2.4	0
44	Yb:Lu ₂ O ₃ hydrothermally grown single-crystal high-resolution absorption spectra obtained between 8 and 300 Å. <i>Applied Physics B: Lasers and Optics</i> , 2020, 126, 1.	2.2	6
45	Coordination complexes of methimazole with copper: Controlling redox reactions and sulfur extrusion. <i>Inorganica Chimica Acta</i> , 2020, 507, 119568.	2.4	3
46	Perfluoropyridine as an Efficient, Tunable Scaffold for Bis(pyrazolyl)pyridine Copper Complexes. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1720-1727.	2.0	6
47	Hydrothermal growth of BaSnO ₃ single crystals for wide bandgap applications. <i>Journal of Crystal Growth</i> , 2020, 536, 125529.	1.5	12
48	Synthesis, characterization, NMR spectroscopic, and X-ray crystallographic studies of new titanium(IV) Schiff base salen complexes: Formation of intriguing titanium(IV) species. <i>Inorganica Chimica Acta</i> , 2020, 505, 119496.	2.4	7
49	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
50	Copolymers by Inverse Vulcanization of Sulfur with Pure or Technical-Grade Unsaturated Fatty Acids. <i>Journal of Polymer Science</i> , 2020, 58, 438-445.	3.8	40
51	Assessment of two cobalt(II) complexes with pincer ligands for the electrocatalytic hydrogen evolution reaction. A comparison of the SNS vs ONS coordination. <i>Inorganica Chimica Acta</i> , 2020, 506, 119497.	2.4	7
52	Design and synthesis of Fmoc-SPPS-ready iodoarene amino acid pre-catalysts and their reactivity in the catalytic oxytosylation of ketones. <i>Tetrahedron Letters</i> , 2020, 61, 151723.	1.4	2
53	Is Indenyl a Stronger or Weaker Electron Donor Ligand than Cyclopentadienyl? Opposing Effects of Indenyl Electron Density and Ring Slipping on Electrochemical Potentials. <i>Organometallics</i> , 2020, 39, 670-678.	2.3	9
54	Synthesis and characterization of a <i>tert</i> -butyl ester-substituted titanocene dichloride: ^t -BuOOC-Cp ₂ TiCl ₂ . <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 1562-1565.	0.5	0

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55	Durable Cellulose-Sulfur Composites Derived from Agricultural and Petrochemical Waste. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900062.	5.3	42
56	Cycloaddition/Electrocyclic Ring Opening Sequence between Alkynyl Sulfides and Azodicarboxylates To Provide <i>N,N</i> -Dicarbamoyl 2-Iminothioimidates. <i>Journal of Organic Chemistry</i> , 2019, 84, 9734-9743.	3.2	6
57	New polymorphism and structural sensitivity in triphenylmethylphosphonium trihalide salts. <i>New Journal of Chemistry</i> , 2019, 43, 12702-12710.	2.8	2
58	Hydrothermal Crystal Growth of Rare Earth Tin Cubic Pyrochlores, $RE_2Sn_2O_7$ (RE = La-Lu): Site Ordered, Low Defect Single Crystals. <i>Crystal Growth and Design</i> , 2019, 19, 4920-4926.	3.0	25
59	Iron Vanadates Synthesized from Hydrothermal Brines: $Rb_2FeV_6O_{16}$, $Cs_2FeV_6O_{16}$, and $SrFe_3V_{18}O_{38}$. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4538-4545.	2.0	6
60	Utilizing the regioselectivity of perfluoropyridine towards the preparation of phenoxyacetylene precursors for partially fluorinated polymers of diverse architecture. <i>Journal of Fluorine Chemistry</i> , 2019, 228, 109409.	1.7	21
61	Statistical Prevalence versus Energetic Contributions of F \cdots F, F \cdots H, and F \cdots C Intermolecular Interactions in 4-Trifluorotoluenesulfonamide Crystals. <i>Crystal Growth and Design</i> , 2019, 19, 6296-6307.	3.0	3
62	Highly Luminescent Heavier Main Group Analogues of Boron-Dipyrromethene. <i>Journal of the American Chemical Society</i> , 2019, 141, 8703-8707.	13.7	30
63	Hydrothermal synthesis and structural characterization of several complex rare earth tantalates: $Ln_2TaO_5(OH)$ (Ln = La, Pr) and $Ln_3Ta_2O_9(OH)$ (Ln = Pr, Nd). <i>Dalton Transactions</i> , 2019, 48, 7704-7713.	3.3	6
64	Crystal Structure and Preferential Site Occupancy in $Cs_6Mn(H_2O)_2(VO_3)_8$ and $Cs_5KMn(H_2O)_2(VO_3)_8$. <i>Journal of Chemical Crystallography</i> , 2019, 49, 186-192.	1.1	2
65	A stable Cerberus tris(malNHC) and its coinage metal complexes. <i>Chemical Communications</i> , 2019, 55, 5942-5945.	4.1	1
66	Stability constant determination of sulfur and selenium amino acids with Cu(II) and Fe(II). <i>Journal of Inorganic Biochemistry</i> , 2019, 195, 20-30.	3.5	11
67	Hydrothermal synthesis of lanthanide rhenium oxides: Structures and magnetism of $Ln_2Re_2O_7(OH)$ (Ln = Tm, Er, Yb, Lu). <i>Inorganic Chemistry</i> , 2019, 58, 2813-2821.	1.0	6
68	Hydrothermal crystal growth of 2-D and 3-D barium rare earth germanates: $BaREGeO_4(OH)$ and $BaRE_10(GeO_4)_4O_8$ (RE = Ho, Er). <i>Journal of Alloys and Compounds</i> , 2019, 786, 489-497.	5.5	6
69	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
70	One-Pot Absolute Stereochemical Identification of Alcohols via Guanidinium Sulfate Crystallization. <i>Organic Letters</i> , 2019, 21, 9622-9627.	4.6	9
71	A comparison of the metal-ligand interactions of the pentafluorophenylethynyl and trifluoropropynyl ligands in transition metal cyclam complexes. <i>Inorganica Chimica Acta</i> , 2019, 486, 141-149.	2.4	6
72	Hydrothermal single crystal growth and second harmonic generation of Li_2SiO_3 , Li_2GeO_3 and $Li_2Si_2O_5$. <i>Journal of Crystal Growth</i> , 2018, 493, 58-64.	1.5	12

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73	Two halide-containing cesium manganese vanadates: synthesis, characterization, and magnetic properties. <i>Dalton Transactions</i> , 2018, 47, 2619-2627.	3.3	10
74	The (2,2'-bipyridine)Pt ₂ complex with 5,5'-modification of fluorourous side chains: Orthogonal skeleton. <i>Journal of Fluorine Chemistry</i> , 2018, 206, 29-35.	1.7	5
75	High temperature hydrothermal synthesis of rare-earth titanates: synthesis and structure of RE ₅ Ti ₄ O ₁₅ (OH) (RE = La, Er), Sm ₃ TiO ₅ (OH) ₃ , RE ₅ Ti ₂ O ₁₁ (OH) (RE = Tm-Lu) and Ce ₂ Ti ₄ O ₁₁ . <i>Dalton Transactions</i> , 2018, 47, 6754-6762.	3.3	5
76	Cooperative intermolecular Sâ€œClâ€œO and Fâ€œF associations in the crystal packing of Î±,Î±'-di(sulfonyl) Tj ETQqO O 0 rgBT /Overlock 10 where <i>n</i> = 4, 6. <i>New Journal of Chemistry</i> , 2018, 42, 10484-10488.	2.8	8
77	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 57â€œ...Å... Unit Cell Axis. <i>Angewandte Chemie</i> , 2018, 130, 2099-2102.	2.0	3
78	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 57â€œ...Å... Unit Cell Axis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2077-2080.	13.8	10
79	Accessing the Rare Diazacyclobutene Motif. <i>Organic Letters</i> , 2018, 20, 8009-8013.	4.6	14
80	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
81	Selective cation and anion guest binding in host selenazamacrocycles. <i>Dalton Transactions</i> , 2018, 47, 12066-12070.	3.3	4
82	Nuclear Magnetic Resonance Spectroscopy Investigations of Naphthalene-Based 1,2,3-Triazole Systems for Anion Sensing. <i>Magnetochemistry</i> , 2018, 4, 15.	2.4	10
83	Oxidatively stable ferrocenyl-Î€-bridge-titanocene Dâ€œÎ€-A complexes: an electrochemical and spectroscopic investigation of the mixed-valent states. <i>Dalton Transactions</i> , 2018, 47, 10953-10964.	3.3	11
84	Halogen bonding and triiodide asymmetry in cocrystals of triphenylmethylphosphonium triiodide with organoiodines. <i>New Journal of Chemistry</i> , 2018, 42, 10518-10528.	2.8	11
85	Integration of Triboluminescent Eu ₄ TEA Crystals to Transparent Polymers: Impact Sensor Application. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6488-6496.	8.0	30
86	Crystal structure and hydrogen-bonding patterns in 5-fluorocytosinium picrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 361-364.	0.5	7
87	Supramolecular hydrogen-bonding patterns in 1:1 cocrystals of 5-fluorouracil with 4-methylbenzoic acid and 3-nitrobenzoic acid. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 259-263.	0.5	14
88	Janus-Type Bis(<i>malo</i>NHC) and Its Zwitterionic Gold and Silver Metal Complexes. <i>Organometallics</i> , 2017, 36, 1867-1872.	2.3	7
89	Triboluminescent Electrospun Mats with Blue-Green Emission under Mechanical Force. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11709-11716.	3.1	14
90	Supramolecular architectures in two 1:1 cocrystals of 5-fluorouracil with 5-bromothiophene-2-carboxylic acid and thiophene-2-carboxylic acid. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 481-485.	0.5	4

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91	Three Unique Barium Manganese Vanadates from High-Temperature Hydrothermal Brines. <i>Inorganic Chemistry</i> , 2017, 56, 4206-4216.	4.0	11
92	Polar Materials with Isolated V^{4+} $S = 1/2$ Triangles: $NaSr_2V_3O_3(Ge_4O_{13})Cl$ and $KSr_2V_3O_3(Ge_4O_{13})Cl$. <i>Chemistry of Materials</i> , 2017, 29, 1404-1412.	6.7	18
93	A <i>trans</i> -bidentate bis-pyridinyl ligand with a transition metal hinge. <i>Dalton Transactions</i> , 2017, 46, 15195-15199.	3.3	9
94	Crystal chemistry and the role of ionic radius in rare earth tetrasilicates: $Ba_2RE_2Si_4O_{12}F_2$ (RE =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 632 Td $Ba_2RE_2Si_4O_{13}$ (RE =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 612 Td (La^{3+} /s	1.1	1
95	Engineering and Materials, 2017, 73, 907-915. Investigation of a Structural Phase Transition and Magnetic Structure of $Na_2BaFe(VO_4)_2$: A Triangular Magnetic Lattice with a Ferromagnetic Ground State. <i>Inorganic Chemistry</i> , 2017, 56, 14842-14849.	4.0	15
96	One-Pot Hydrothermal Synthesis of $Tb^{III}(GeO_4)_6(OH)$ and $K_2Tb^{IV}Ge_2O_7$: Preparation of a Stable Terbium(4+) Complex. <i>Inorganic Chemistry</i> , 2017, 56, 6044-6047.	4.0	15
97	Strontium manganese vanadates from hydrothermal brines: Synthesis and structure of $Sr_2Mn_2(V_3O_{10})(VO_4)$, $Sr_3Mn(V_2O_7)_2$, and $Sr_2Mn(VO_4)_2(OH)$. <i>Journal of Solid State Chemistry</i> , 2017, 255, 225-233.	2.9	10
98	Synthesis, characterization, and structures of ruthenium(II) complexes with multiple solvato ligands. <i>Inorganica Chimica Acta</i> , 2017, 468, 308-315.	2.4	6
99	Preparation of tetrafluoroethylene from the pyrolysis of pentafluoropropionate salts. <i>Journal of Fluorine Chemistry</i> , 2017, 196, 107-116.	1.7	23
100	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
101	Manganese Vanadate Chemistry in Hydrothermal BaF_2 Brines: $Ba_3Mn_2(V_2O_7)_2F_2$ and $Ba_7Mn_8O_2(VO_4)_2F_{23}$. <i>Inorganic Chemistry</i> , 2016, 55, 12512-12515.	4.0	12
102	Hydrogen-bonding patterns in 5-fluorocytosine-melamine co-crystal (4/1). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 552-555.	0.5	6
103	Synthesis and characterization of new fluoride-containing manganese vanadates $A_2Mn_2V_2O_7F_2$ (A=Rb, Cs). Tj ETQq1 1 0.784314 rgBT / 2.9 19	2.9	19
104	A benzothiadiazole-supported N-heterocyclic carbene and its rhodium and iridium complexes. <i>Journal of Organometallic Chemistry</i> , 2016, 823, 40-49.	1.8	14
105	Honeycomb-like $S = 5/2$ Spin Lattices in Manganese(II) Vanadates. <i>Inorganic Chemistry</i> , 2016, 55, 9240-9249.	4.0	27
106	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
107	$xm\text{ins:mml}="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mrow /><mml:mn>5</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math>$ antiferromagnetic chain system		

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109	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
110	Synthesis, characterization, DFT calculations, and electrochemical comparison of novel iron(scp) complexes with thione and selone ligands. <i>Dalton Transactions</i> , 2016, 45, 4697-4711.	3.3	37
111	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
112	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
113	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
114	Crystal Chemistry of Alkali Thorium Silicates Under Hydrothermal Conditions. <i>Crystal Growth and Design</i> , 2015, 15, 2643-2651.	3.0	19
115	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
116	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
117	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
118	Hydrothermal synthesis and characterization of one dimensional chain structures of monolacunary Keggin polyoxoanions substituted with copper. <i>Inorganica Chimica Acta</i> , 2015, 427, 219-225.	2.4	4
119	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
120	Net charge effects in N-heterocyclic carbene-ruthenium complexes with similar oxidation states and coordination geometries. <i>Inorganica Chimica Acta</i> , 2015, 435, 320-326.	2.4	8
121	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
122	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
123	Synthesis, X-ray Crystallographic, Electrochemical, and Spectroscopic Studies of Bis-(1,10-phenanthroline)(2,2'-bipyridine)cobalt(III) Hexafluorophosphate. <i>Journal of Chemical Crystallography</i> , 2015, 45, 427-433.	1.1	10
124	Synthesis, coordination chemistry and reactivity of transition metal complexes supported by a chelating benzimidazolylidene carboxylate ligand. <i>Inorganica Chimica Acta</i> , 2015, 426, 29-38.	2.4	22
125	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
126	Platinum-zirconium composite thin film electrodes for high-temperature micro-chemical sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 206-215.	7.8	16

#	ARTICLE	IF	CITATIONS
127	Tunable vacuum ultraviolet laser based spectrometer for angle resolved photoemission spectroscopy. Review of Scientific Instruments, 2014, 85, 033902.	1.3	61
128	Hydrothermal Synthesis and Crystal Chemistry of Novel Fluorides with A7B6F31 (A=Na, K, NH4, Tl; B=Ce, Tl) $\text{ETQq0 0 0 rgBT /Over}$	1.1	12
129	Spectral properties of hydrothermally-grown Nd:LuAG, Yb:LuAG, and Yb:Lu2O3 laser materials. Journal of Luminescence, 2014, 148, 26-32.	3.1	34
130	Preparation of Spiro[Benzopyran-Isoxazoles] from the Condensation Cyclization of Oxime 1,4-Dianions with Select Coumarins. Journal of Chemical Crystallography, 2014, 44, 401-406.	1.1	0
131	A stable Janus bis(maloNHC) and its zwitterionic coinage metal complexes. Chemical Communications, 2014, 50, 4725.	4.1	16
132	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
133	Hydrothermal Growth of Single Crystals of Lu3Al5O12 (LuAG) and Its Doped Analogues. Crystal Growth and Design, 2013, 13, 2298-2306.	3.0	20
134	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
135	Hydrothermal Chemistry, Structures, and Luminescence Studies of Alkali Hafnium Fluorides. Inorganic Chemistry, 2013, 52, 237-244.	4.0	18
136	Hydrothermal growth of LiLuF4 crystals and new lithium lutetium fluorides LiKLuF5 and LiNaLu2F8. Solid State Sciences, 2013, 17, 90-96.	3.2	7
137	Deposition and characterization of nanostructured Cu2O thin-film for potential photovoltaic applications. Journal of Materials Research, 2013, 28, 1740-1746.	2.6	31
138	Preparation and X-Ray Crystal Structure of (Z,Z',E)-5-(4-substituted) (phenyl)-3-hydroxy-1-p Condensation Elimination of Dilithiated 1-Benzoylacetone with Substituted Benzaldehydes. Journal of Chemical Crystallography, 2013, 43, 629-635.	1.1	5
139	Hydrothermal Synthesis and Characterization of ThO2, UO2, ThO2-x, and UO2-x. Materials Research Society Symposia Proceedings, 2013, 1576, 1.	0.1	7
140	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
141	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
142	Bulk single crystal growth from hydrothermal solutions. Philosophical Magazine, 2012, 92, 2686-2711.	1.6	39
143	Two Novel Acentric Borate Fluorides: M3B6O11F2 (M) $\text{ETQq1 1 0.784314 rgBT /}$	4.0	92
144	The influence of core geometry on the crystallography of silicon optical fiber. Journal of Crystal Growth, 2012, 352, 53-58.	1.5	29

#	ARTICLE	IF	CITATIONS
145	Revisiting the Hydrothermal growth of YAG. Journal of Crystal Growth, 2012, 356, 58-64.	1.5	15
146	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
147	Hydrothermal Synthesis and Comparative Coordination Chemistry of New Rare-Earth V^{4+} Compounds. Inorganic Chemistry, 2012, 51, 3588-3596.	4.0	12
148	Hydrothermal Synthesis and Single Crystal Structures of New Thorium Fluorides: $\text{A}_3\text{Ba}_2\text{Th}_3\text{F}_{19}$ ($\text{A}=\text{Na}$), $\text{TjETQqQ}_0\text{rgBT}_6$ Overlock 1	1.1	0
149	The Crystal Structures of $\text{CsTh}_6\text{F}_{25}$ and $\text{NaTh}_3\text{F}_{13}$. Journal of Chemical Crystallography, 2012, 42, 606-610.	1.1	13
150	Hydrothermal Descriptive Chemistry and Single Crystal Structure Determination of Cesium and Rubidium Thorium Fluorides. Inorganic Chemistry, 2011, 50, 11825-11831.	4.0	24
151	Hydrothermal Synthesis and Crystal Structures of Two Novel Acentric Mixed Alkaline Earth Metal Beryllorborates $\text{Sr}_3\text{Be}_2\text{B}_5\text{O}_{12}(\text{OH})$ and $\text{Ba}_3\text{Be}_2\text{B}_5\text{O}_{12}(\text{OH})$. Inorganic Chemistry, 2011, 50, 6809-6813.	4.0	44
152	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
153	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 $\text{Li}_2\text{Sr}_8\text{B}_{22}\text{O}_{41}(\text{OH})_2$. Journal of Solid State Chemistry, 2011, 184, 2966-2971.	2.9	22
154	Binary III-V semiconductor core optical fiber. Optics Express, 2010, 18, 4972.	3.4	86
155	Trigonal structures of $\text{ABe}_2\text{BO}_3\text{F}_2$ ($\text{A} = \text{Rb}, \text{Cs}, \text{Tl}$) crystals. Acta Crystallographica Section B: Structural Science, 2009, 65, 445-449.	1.8	32
156	The hydrothermal synthesis, growth, and optical properties of $\hat{\text{I}}^3\text{-LiBO}_2$. Journal of Crystal Growth, 2008, 310, 299-305.	1.5	24
157	Hydrothermal crystal growth of $\text{ABe}_2\text{BO}_3\text{F}_2$ ($\text{A}=\text{K}, \text{Rb}, \text{Cs}, \text{Tl}$) NLO crystals. Journal of Crystal Growth, 2008, 310, 2033-2038.	1.5	79
158	Hydrothermal single crystal growth of Sc_2O_3 and lanthanide-doped Sc_2O_3 . Journal of Crystal Growth, 2008, 310, 1939-1942.	1.5	23
159	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
160	Growth and Properties of Doped Scandia Crystals. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
161	Hydrothermal Synthesis of the Deep-UV NLO Material $\text{Sr}_2\text{Be}_2\text{B}_2\text{O}_7$. Materials Research Society Symposia Proceedings, 2004, 848, 76.	0.1	3
162	Hydrothermal Single Crystal Growth and Structural Investigation of the Nepheline and Kalsilite Stuffed Tridymite Species. Journal of Chemical Crystallography, 0, , 1.	1.1	3

#	ARTICLE	IF	CITATIONS
163	Hydrogen bonds and dispersion forces serving as molecular locks for tailored Group 11 bis(amidine) complexes. <i>Inorganic Chemistry Frontiers</i> , 0, , .	6.0	2