Shiv Halasyamani

List of Publications by Year
in descending order

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259	16,676	13099	17592
papers	citations	68 h-index	121 g-index

337	337	337	5886
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Noncentrosymmetric Oxides. Chemistry of Materials, 1998, 10, 2753-2769.	6.7	1,105
2	Bulk characterization methods for non-centrosymmetric materials: second-harmonic generation, piezoelectricity, pyroelectricity, and ferroelectricity. Chemical Society Reviews, 2006, 35, 710.	38.1	808
3	Asymmetric Cation Coordination in Oxide Materials:Â Influence of Lone-Pair Cations on the Intra-octahedral Distortion in d0Transition Metals. Chemistry of Materials, 2004, 16, 3586-3592.	6.7	530
4	Deep Ultraviolet Nonlinear Optical Materials. Chemistry of Materials, 2016, 28, 5238-5258.	6.7	481
5	Combining Second-Order Jahnâ"Teller Distorted Cations to Create Highly Efficient SHG Materials:Â Synthesis, Characterization, and NLO Properties of BaTeM2O9(M = Mo6+or W6+). Journal of the American Chemical Society, 2003, 125, 7764-7765.	13.7	443
6	BiO(IO₃): A New Polar Iodate that Exhibits an Aurivillius-Type (Bi₂O₂)²⁺ Layer and a Large SHG Response. Journal of the American Chemical Society, 2011, 133, 12422-12425.	13.7	424
7	Distortions in Octahedrally Coordinated d0Transition Metal Oxides:Â A Continuous Symmetry Measures Approach. Chemistry of Materials, 2006, 18, 3176-3183.	6.7	326
8	Structural Modulation of Molybdenyl Iodate Architectures by Alkali Metal Cations in AMoO3(IO3) (A =) Tj ETQq0 0 0 rgBT /Overlock 10 T Chemical Society, 2002, 124, 1951-1957.	13.7	320
9	Alignment of Lone Pairs in a New Polar Material: Synthesis, Characterization, and Functional Properties of Li₂Ti(IO₃)₆. Journal of the American Chemical Society, 2009, 131, 2426-2427.	13.7	291
10	RbMgCO₃F: A New Beryllium-Free Deep-Ultraviolet Nonlinear Optical Material. Journal of the American Chemical Society, 2015, 137, 10504-10507.	13.7	283
11	Polar or Nonpolar? A⁺ Cation Polarity Control in A₂Ti(IO₃)₆ (A = Li, Na, K, Rb, Cs, Tl). Journal of the American Chemical Society, 2009, 131, 6865-6873.	13.7	266
12	Design and Synthesis of the Berylliumâ€Free Deepâ€Ultraviolet Nonlinear Optical Material Ba₃(ZnB₅O₁₀)PO₄. Advanced Materials, 2015, 27, 7380-7385.	21.0	262
13	Na2Te3Mo3O16:Â A New Molybdenum Tellurite with Second-Harmonic Generating and Pyroelectric Properties. Chemistry of Materials, 2006, 18, 2070-2074.	6.7	224
14	Synthesis, Structure, and Characterization of a New Second-Harmonic-Generating Tellurite:Â Na2TeW2O9. Chemistry of Materials, 2002, 14, 3174-3180.	6.7	215
15	Second-Harmonic Generation and Crystal Structure of the Diamond-like Semiconductors Li₂CdGeS₄ and Li₂CdSnS₄. Inorganic Chemistry, 2009, 48, 7516-7518.	4.0	211
16	Synthesis and Characterization of Te2SeO7:Â A Powder Second-Harmonic-Generating Study of TeO2, Te2SeO7, Te2O5, and TeSeO4. Chemistry of Materials, 2001, 13, 1910-1915.	6.7	200
17	Mixed-Metal Carbonate Fluorides as Deep-Ultraviolet Nonlinear Optical Materials. Journal of the American Chemical Society, 2017, 139, 1285-1295.	13.7	195
18	Characterization of New Infrared Nonlinear Optical Material with High Laser Damage Threshold, Li₂Ga₂GeS₆. Chemistry of Materials, 2008, 20, 6048-6052.	6.7	193

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19	M₄Mg₄(P₂O₇)₃ (M = K, Rb): Structural Engineering of Pyrophosphates for Nonlinear Optical Applications. Chemistry of Materials, 2017, 29, 1845-1855.	6.7	187
20	Cationâ"Anion Interactions and Polar Structures in the Solid State. Journal of the American Chemical Society, 2007, 129, 13963-13969.	13.7	178
21	Phase-Matching in Nonlinear Optical Compounds: A Materials Perspective. Chemistry of Materials, 2017, 29, 2655-2668.	6.7	177
22	Pb₂BO₃I: A Borate Iodide with the Largest Secondâ€Harmonic Generation (SHG) Response in the KBe₂BO₃F₂ (KBBF) Family of Nonlinear Optical (NLO) Materials. Angewandte Chemie - International Edition, 2018, 57, 6100-6103.	13.8	177
23	The Lone-Pair Cation I5+ in a Hexagonal Tungsten Oxide-Like Framework: Synthesis, Structure, and Second-Harmonic Generating Properties of Cs2I4O11. Angewandte Chemie - International Edition, 2004, 43, 5489-5491.	13.8	166
24	Viewpoint: Inorganic Materials for UV and Deep-UV Nonlinear-Optical Applications. Inorganic Chemistry, 2017, 56, 12077-12085.	4.0	159
25	New One-Dimensional Vanadyl Iodates:Â Hydrothermal Preparation, Structures, and NLO Properties of A[VO2(IO3)2] (A = K, Rb) and A[(VO)2(IO3)3O2] (A = NH4, Rb, Cs). Chemistry of Materials, 2002, 14, 2741-2749.	6.7	154
26	Berylliumâ€Free Î²â€Rb₂Al₂B₂O₇ as a Possible Deepâ€Ultraviolet Nonlinear Optical Material Replacement for KBe₂BO₃F₂. Angewandte Chemie - International Edition, 2017, 56, 2969-2973.	13.8	150
27	Bidenticity-Enhanced Second Harmonic Generation from Pb Chelation in Pb₃Mg₃TeP₂O₁₄. Journal of the American Chemical Society, 2016, 138, 88-91.	13.7	143
28	The must-have and nice-to-have experimental and computational requirements for functional frequency doubling deep-UV crystals. Nature Communications, 2018, 9, 2972.	12.8	137
29	Noncentrosymmetric Polar Oxide Material, Pb₃SeO₅: Synthesis, Characterization, Electronic Structure Calculations, and Structureâ"Property Relationships. Chemistry of Materials, 2009, 21, 5335-5342.	6.7	136
30	Time-Resolved In-Situ Energy and Angular Dispersive X-ray Diffraction Studies of the Formation of the Microporous Gallophosphate ULM-5 under Hydrothermal Conditions. Journal of the American Chemical Society, 1999, 121, 1002-1015.	13.7	125
31	The Role of Polar, Lamdba (Î›)-Shaped Building Units in Noncentrosymmetric Inorganic Structures. Journal of the American Chemical Society, 2012, 134, 7679-7689.	13.7	123
32	Syntheses, structures, and second-harmonic generating properties in new quaternary tellurites: A2TeW3O12 (A=K, Rb, or Cs). Journal of Solid State Chemistry, 2003, 175, 3-12.	2.9	120
33	New Polar Oxides: Synthesis, Characterization, Calculations, and Structureâ"Property Relationships in RbSe₂V₃O₁₂ and TlSe₂V₃O₁₂. Chemistry of Materials, 2009, 21, 1654-1662.	6.7	119
34	Electronic, Crystal Chemistry, and Nonlinear Optical Property Relationships in the Dugganite A₃B₃CD₂O₁₄ Family. Journal of the American Chemical Society, 2016, 138, 4984-4989.	13.7	118
35	New Layered Uranium(VI) Molybdates:Â Syntheses and Structures of (NH3(CH2)3NH3)(H3O)2(UO2)3(MoO4)5, C(NH2)3(UO2)(OH)(MoO4), (C4H12N2)(UO2)(MoO4)2, and (C5H14N2)(UO2)(MoO4)2Â·H2O. Inorganic Chemistry, 1999, 38, 271-279.	4.0	117
36	Mixed-Metal Tellurites:â€‰ Synthesis, Structure, and Characterization of Na1.4Nb3Te4.9O18 and NaNb3Te4O16. Inorganic Chemistry, 2005, 44, 3919-3925.	4.0	116

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37	New Metal Iodates:Â Syntheses, Structures, and Characterizations of Noncentrosymmetric La(IO3)3and NaYI4O12and Centrosymmetric Î²-Cs2I4O11and Rb2I6O15(OH)2Â·H2O. Inorganic Chemistry, 2005, 44, 9353-9359.	4.0	116
38	Structure and Physical Properties of the Polar Oxysulfide CaZnOS. Inorganic Chemistry, 2007, 46, 2571-2574.	4.0	114
39	Bi2TeO5:Â Synthesis, Structure, and Powder Second Harmonic Generation Properties. Inorganic Chemistry, 2001, 40, 1978-1980.	4.0	112
40	BaF₂TeF₂(OH)₂: A UV Nonlinear Optical Fluorotellurite Material Designed by Band-Gap Engineering. Journal of the American Chemical Society, 2020, 142, 4616-4620.	13.7	111
41	Hydrothermal Preparation, Structures, and NLO Properties of the Rare Earth Molybdenyl Iodates,RE(MoO2)(IO3)4(OH) [RE= Nd, Sm, Eu]. Inorganic Chemistry, 2003, 42, 457-462.	4.0	110
42	Two New Noncentrosymmetric Polar Oxides:â€‰ Synthesis, Characterization, Second-Harmonic Generating, and Pyroelectric Measurements on TlSeVO₅ and TlTeVO₅. Chemistry of Materials, 2007, 19, 4710-4715.	6.7	109
43	Designing Silicates as Deepâ€UV Nonlinear Optical (NLO) Materials using Edgeâ€Sharing Tetrahedra. Angewandte Chemie - International Edition, 2020, 59, 8922-8926.	13.8	104
44	Polar Hexagonal Tungsten Oxide (HTO) Materials: (1) Synthesis, Characterization, Functional Properties, and Structureâ"Property Relationships in A₂(MoO₃)₃(SeO₃) (A = Rb⁺ and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Properties of Known Polar HTOs. Chemistry of Materials, 2010, 22, 3241-3250.	6.7	96
45	New Noncentrosymmetric Tellurite Phosphate Material: Synthesis, Characterization, and Calculations of Te₂O(PO₄)₂. Inorganic Chemistry, 2010, 49, 7028-7034.	4.0	92
46	K₅(W₃O₉F₄)(IO₃): An Efficient Mid-Infrared Nonlinear Optical Compound with High Laser Damage Threshold. Chemistry of Materials, 2019, 31, 10100-10108.	6.7	92
47	Nonlinear Active Materials: An Illustration of Controllable Phase Matchability. Journal of the American Chemical Society, 2013, 135, 11942-11950.	13.7	89
48	Syntheses, Structures, Second-Harmonic Generating, and Ferroelectric Properties of Tungsten Bronzes:Â A6M2Mâ€˜8O30(A = Sr2+, Ba2+, or Pb2+; M = Ti4+, Zr4+, or Hf4+; Mâ€˜ = Nb5+or Ta5+). Chemistry of Materials, 2004, 16, 3616-3622.	6.7	87
49	Composition Space of the (CuO,1/2Nb2O5)/(HF)xÂ·pyridine/H2O System. Structure and Synthesis of [pyH+]2[CuNb2(py)4O2F10]2-and CuNb(py)4OF5. Inorganic Chemistry, 1996, 35, 1367-1371.	4.0	85
50	Directed Synthesis of Noncentrosymmetric Molybdates. Crystal Growth and Design, 2005, 5, 1913-1917.	3.0	85
51	New Layered Uranium Phosphate Fluorides:â€‰ Syntheses, Structures, Characterizations, and Ion-Exchange Properties of A(UO2)F(HPO4)Â·xH2O (A = Cs+, Rb+, K+; x = 0â"1). Inorganic Chemistry, 2006, 45, 10207-10214.	4.0	85
52	Role of Acentric Displacements on the Crystal Structure and Second-Harmonic Generating Properties of RbPbCO₃F and CsPbCO₃F. Inorganic Chemistry, 2014, 53, 6241-6251.	4.0	85
53	(NH4)2Te2WO8:â€‰ A New Polar Oxide with Second-Harmonic Generating, Ferroelectric, and Pyroelectric Properties. Chemistry of Materials, 2007, 19, 5637-5641.	6.7	83
54	From Molecules to Frameworks:Â Variable Dimensionality in the UO2(CH3COO)2Â·2H2O/HF(aq)/Piperazine System. Syntheses, Structures, and Characterization of Zero-Dimensional (C4N2H12)UO2F4Â·3H2O, One-Dimensional (C4N2H12)2U2F12Â·H2O, Two-Dimensional (C4N2H12)2(U2O4F5)4Â·11H2O, and Three-Dimensional (C4N2H12)U2O4F6. Journal of the American Chemical Society, 1999, 121, 10513-10521.	13.7	82

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55	Synthesis, Structure, and Characterization of Two New Layered Mixed-Metal Phosphates, BaTeMO4(PO4) (M = Nb5+or Ta5+). Inorganic Chemistry, 2004, 43, 964-968.	4.0	82
56	New Quaternary Tellurite and Selenite: Synthesis, Structure, and Characterization of Centrosymmetric InVTe₂O₈ and Noncentrosymmetric InVSe₂O₈. Inorganic Chemistry, 2011, 50, 4473-4480.	4.0	82
57	Deep-Ultraviolet Nonlinear-Optical Material K₃Sr₃Li₂Al₄B₆O₂₀F: Addressing the Structural Instability Problem in KBe₂BO₃F₂. Inorganic Chemistry, 2017, 56, 8755-8758.	4.0	82
58	The First Open Framework Actinide Material (C4N2H12)U2O4F6 (MUF-1). Journal of the American Chemical Society, 1999, 121, 7415-7416.	13.7	81
59	Polar and Magnetic Mn₂FeMO₆ (M=Nb, Ta) with LiNbO₃â€type Structure: Highâ€Pressure Synthesis. Angewandte Chemie - International Edition, 2013, 52, 8406-8410.	13.8	81
60	The First Organically Templated Layered Uranium(IV) Fluorides: (H3N(CH2)3NH3)U2F10â‹…2 H2O, (H3N(CH2)4NH3)U2F10â‹…3 H2O, and (H3N(CH2)6NH3)U2F10â‹…2 H2O. Angewandte Chemie - International Edition, 1998, 37, 2214-2217.	13.8	78
61	Polar Polymorphism: Î±-, Î²-, and Î³-Pb₂Ba₄Zn₄B₁₄O₃₁â€“Synthesis, Characterization, and Nonlinear Optical Properties. Chemistry of Materials, 2015, 27, 4779-4788.	6.7	75
62	Microscopic Origins of Optical Second Harmonic Generation in Noncentrosymmetricâ€“Nonpolar Materials. Chemistry of Materials, 2014, 26, 5773-5781.	6.7	74
63	Macroscopic polarity control with alkali metal cation size and coordination environment in a series of tin iodates. Inorganic Chemistry Frontiers, 2015, 2, 361-368.	6.0	74
64	Synthesis, Characterization, and Structureâ€“Property Relationships in Two New Polar Oxides: Zn₂(MoO₄)(SeO₃) and Zn₂(MoO₄)(TeO₃). Inorganic Chemistry, 2011, 50, 5215-5222.	4.0	73
65	Berylliumâ€Free Î²â€Rb₂Al₂B₂O₇ as a Possible Deepâ€Ultraviolet Nonlinear Optical Material Replacement for KBe₂BO₃F₂. Angewandte Chemie, 2017, 129, 3015-3019.	2.0	72
66	Organically templated layered uranium(VI) phosphates: hydrothermal syntheses and structures of [NHEt3][(UO2)2(PO4)(HPO4)] and [NPr4][(UO2)3(PO4)(HPO4)2]. Chemical Communications, 1998, , 279-280.	4.1	71
67	Directed Synthesis of Noncentrosymmetric Molybdates Using Composition Space Analysis. Inorganic Chemistry, 2006, 45, 5529-5537.	4.0	70
68	Asymmetric Cationic Coordination Environments in New Oxide Materials:Â Synthesis and Characterization of Pb4Te6M10O41(M = Nb5+or Ta5+). Inorganic Chemistry, 2004, 43, 4248-4253.	4.0	69
69	The Nextâ€Generation of Nonlinear Optical Materials: Rb₃Ba₃Li₂Al₄B₆O₂₀Fâ€”Synthesis, Characterization, and Crystal Growth. Advanced Optical Materials, 2017, 5, 1700840.	7.3	68
70	Polar Hexagonal Tungsten Bronze-Type Oxides: KNbW₂O₉, RbNbW₂O₉, and KTaW₂O₉. Inorganic Chemistry, 2008, 47, 8511-8517.	4.0	66
71	The First Fully Fluorinated Organically Templated Materials:Â Synthesis, Structures, and Physical Properties of [H3N(CH2)3NH3]U2F10Â·2H2O, [H3N(CH2)4NH3]U2F10Â·3H2O, [H3N(CH2)6NH3]U2F10Â·2H2O, and [HN(CH2CH2NH3)3]U5F24. Chemistry of Materials, 1998, 10, 3131-3139.	6.7	65
72	Hydrothermal Synthesis of (C6N2H14)2(UVI2UIVO4F12), a Mixed-Valent One-Dimensional Uranium Oxyfluoride. Inorganic Chemistry, 2000, 39, 3791-3798.	4.0	65

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73	New alkaliâ€“metalâ€“molybdenum(VI)â€“selenium(IV) oxides: syntheses, structures, and characterization of A2SeMoO6 (A=Na+, K+, or Rb+). Journal of Solid State Chemistry, 2003, 174, 441-449.	2.9	65
74	The Polar [WO2F4]2- Anion in the Solid State. Inorganic Chemistry, 1999, 38, 762-767.	4.0	64
75	New Selenites:Â Syntheses, Structures, and Characterization of Centrosymmetric Al2(Se2O5)3and Ga2(Se2O5)3and Non-centrosymmetric In2(Se2O5)3. Chemistry of Materials, 2002, 14, 2360-2364.	6.7	64
76	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.	6.7	64
77	Variable Dimensionality in the Uranium Fluoride/2-Methyl-Piperazine System:Â Syntheses and Structures of UFO-5, -6, and -7; Zero-, One-, and Two-Dimensional Materials with Unprecedented Topologies. Journal of the American Chemical Society, 1999, 121, 1609-1610.	13.7	63
78	From Linear Inorganic Chains to Helices:Â Chirality in the M(pyz)(H2O)2MoO2F4(M = Zn, Cd) Compounds. Inorganic Chemistry, 2002, 41, 4852-4858.	4.0	62
79	A₃V₅O₁₄ (A = K⁺, Rb⁺, or Tl⁺), New Polar Oxides with a Tetragonal Tungsten Bronze Related Structural Topology: Synthesis, Structure, and Functional Properties. Inorganic Chemistry, 2010, 49, 6986-6993.	4.0	61
80	LiNa₅Mo₉O₃₀: Crystal Growth, Linear, and Nonlinear Optical Properties. Chemistry of Materials, 2016, 28, 4483-4491.	6.7	61
81	A rare multi-coordinate tellurite, NH4ATe4O9Â·2H2O (ARb or Cs): The occurrence of TeO3, TeO4, and TeO5 Polyhedra in the same material. Journal of Solid State Chemistry, 2008, 181, 2108-2112.	2.9	60
82	Synthesis and Characterization of Non-centrosymmetric TeSeO4. Inorganic Chemistry, 2001, 40, 1172-1175.	4.0	59
83	New d0 Transition Metal Iodates:â€‰ Synthesis, Structure, and Characterization of BaTi(IO3)6, LaTiO(IO3)5, Ba2VO2(IO3)4Â·(IO3), K2MoO2(IO3)4, and BaMoO2(IO3)4Â·H2O. Inorganic Chemistry, 2005, 44, 2263-2271.	4.0	59
84	New Fluoride Carbonates: Centrosymmetric KPb₂(CO₃)₂F and Noncentrosymmetric K_{2.70}Pb_{5.15}(CO₃)₅F₃. Inorganic Chemistry, 2013, 52, 2466-2473.	4.0	59
85	Report from the third workshop on future directions of solid-state chemistry: The status of solid-state chemistry and its impact in the physical sciences. Progress in Solid State Chemistry, 2008, 36, 1-133.	7.2	58
86	A New Three-Dimensional Vanadium Selenite, (VO)2(SeO3)3, with Isolated and Edge-Shared VO6 Octahedra. Inorganic Chemistry, 1997, 36, 6409-6412.	4.0	57
87	Top-Seeded Solution Crystal Growth and Functional Properties of a Polar Materialâ€”Na₂TeW₂O₉. Crystal Growth and Design, 2010, 10, 4091-4095.	3.0	57
88	Synthesis, Structure, and Characterization of Novel Two- and Three-Dimensional Vanadates:Â Ba2.5(VO2)3(SeO3)4Â·H2O and La(VO2)3(TeO6)Â·3H2O. Inorganic Chemistry, 2006, 45, 3602-3605.	4.0	55
89	New Noncentrosymmetric Material - [N(CH₃)₄]ZnCl₃: Polar Chains of Aligned ZnCl₄ Tetrahedra. Inorganic Chemistry, 2009, 48, 8376-8382.	4.0	55
90	Large Birefringent Materials, Na₆Te₄W₆O₂₉ and Na₂TeW₂O₉: Synthesis, Structure, Crystal Growth, and Characterization. Crystal Growth and Design, 2016, 16, 1081-1087.	3.0	54

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91	Two New Non-centrosymmetric n = 3 Layered Dionâ€“Jacobson Perovskites: Polar RbBi₂Ti₂NbO₁₀ and Nonpolar CsBi₂Ti₂TaO₁₀. Chemistry of Materials, 2016, 28, 2424-2432.	6.7	52
92	Crystal growth and optical properties of a UV nonlinear optical material KSrCO₃F. CrystEngComm, 2017, 19, 4742-4748.	2.6	52
93	New Tellurites:Â Syntheses, Structures, and Characterization of K2Te4O9Â·3.2H2O, KGaTe6O14, and KGaTe2O6Â·1.8H2O. Chemistry of Materials, 2001, 13, 4278-4284.	6.7	48
94	Li₂K₄TiOGe₄O₁₂: A Stable Mid-Infrared Nonlinear Optical Material. Chemistry of Materials, 2020, 32, 906-912.	6.7	48
95	Synthesis and Characterization of Se4Nb2O13:Â A New Ternary Se4+â^'Nb5+â^'Oxide with Monoselenite and Diselenite Groups. Chemistry of Materials, 1998, 10, 646-649.	6.7	45
96	SbSbxM1â^'xO4 (M=NbV or TaV): Solid Solution Behavior and Second-Harmonic Generating Properties. Journal of Solid State Chemistry, 2001, 161, 57-62.	2.9	45
97	Synthesis, structure, and characterization of a new one-dimensional tellurite phosphate, Ba2TeO(PO4)2. Journal of Solid State Chemistry, 2006, 179, 1345-1350.	2.9	44
98	Synthesis, Structure, and Characterization of New Li+â€“ d0â€“Lone-Pair â€“ Oxides: Noncentrosymmetric Polar Li6(Mo2O5)3(SeO3)6and Centrosymmetric Li2(MO3)(TeO3) (M = Mo6+or W6+). Inorganic Chemistry, 2012, 51, 9529-9538.	4.0	44
99	Two New Noncentrosymmetric (NCS) Polar Oxides: Syntheses, Characterization, and Structureâ€“Property Relationships in BaMTe₂O₇ (M = Mg²⁺ or) Tj ETQq1 1 0.784314 rgBT /Ov	4.0	44
100	Synthesis, Structure, and Characterization of Two New Polar Sodium Tungsten Selenites: Na₂(WO₃)₃(SeO₃)Â·2H₂O and Na₆(W₆O₁₉)(SeO₃)₂. Inorganic Chemistry, 2013, 52, 2637-2647.	4.0	44
101	Syntheses and Structures of Two New Cu/Nb/pyrazine Complexes: Three dimensional CuNb(pyz)2OF5 ï¿½ (pyz)(H2O) and two dimensional [Cu(pyz)2.5]+ [NbF6]? ï¿½ (pyz). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1996, 622, 479-485.	1.2	43
102	Structure determination of La3CuGeS7 and La3CuGeSe7. Journal of Alloys and Compounds, 2002, 335, L5-L9.	5.5	43
103	Syntheses, Structures, and Characterization of New Lead(II)â^'Tellurium(IV)â^'Oxide Halides:Â Pb3Te2O6X2and Pb3TeO4X2(X = Cl or Br). Inorganic Chemistry, 2003, 42, 205-209.	4.0	43
104	New Vanadium Selenites: Centrosymmetric Ca₂(VO₂)₂(SeO₃)₃(H₂O)₂, Sr₂(VO₂)₂(SeO₃)₃, and Ba(V₂O₅)(SeO₃), and Noncentrosymmetric and Polar A₄(VO₂)₂(SeO₃)₄(Se₂O₅) (A = Sr²⁺ or Pb²⁺). Inorganic Chemistry, 2012, 51, 609-619.	4.0	43
105	Selective Pure-Phase Synthesis of the Multiferroic BaMF₄ (M = Mg, Mn, Co, Ni, and Zn) Family. Journal of the American Chemical Society, 2010, 132, 17684-17685.	13.7	41
106	Dielectric properties of a polar ZnSnO3 with LiNbO3-type structure. Journal of Solid State Chemistry, 2012, 195, 115-119.	2.9	41
107	Syntheses of Two Vanadium Oxideâ€“Fluoride Materials That Differ in Phase Matchability. Inorganic Chemistry, 2015, 54, 765-772.	4.0	40
108	â€œAâ€•Cation Polarity Control in ACuTe₂O₇ (A = Sr²⁺,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	4.0	38

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109	Novel apparatus for the in situ study of hydrothermal crystallizations using time-resolved neutron diffraction. Review of Scientific Instruments, 1999, 70, 3391-3396.	1.3	37
110	Crystal Growth, Structure, Polarization, and Magnetic Properties of Cesium Vanadate, Cs₂V₃O₈: A Structureâ€“Property Study. Inorganic Chemistry, 2013, 52, 6179-6186.	4.0	37
111	Top-Seeded Solution Crystal Growth and Linear and Nonlinear Optical Properties of Ba₄B₁₁O₂₀F. Crystal Growth and Design, 2017, 17, 1404-1410.	3.0	37
112	Synthesis of the Thioborate Crystal ZnxBa2B2S5+x(xâ‰ˆ 0.2) for Second Order Nonlinear Optical Applications. Chemistry of Materials, 2005, 17, 2046-2051.	6.7	36
113	U₃F₁₂(H₂O), a Noncentrosymmetric Uranium(IV) Fluoride Prepared via a Convenient In Situ Route That Creates U⁴⁺ under Mild Hydrothermal Conditions. Inorganic Chemistry, 2013, 52, 8303-8305.	4.0	36
114	Proper Ferroelectricity in the Dionâ€“Jacobson Material CsBi2Ti2NbO10: Experiment and Theory. Chemistry of Materials, 2015, 27, 8298-8309.	6.7	36
115	Theory and Neutrons Combine To Reveal a Family of Layered Perovskites without Inversion Symmetry. Chemistry of Materials, 2017, 29, 9489-9497.	6.7	36
116	Anionic Templating:Â Synthesis, Structure, and Characterization of Novel Three-Dimensional Mixed-Metal Oxychlorides Te4M3O15Â·Cl (M = Nb5+or Ta5+). Inorganic Chemistry, 2002, 41, 3805-3807.	4.0	35
117	Synthesis, crystal structure, and nonlinear optical properties of Bi2Cu5B4O14. Journal of Solid State Chemistry, 2008, 181, 2087-2091.	2.9	35
118	Designing Silicates as Deepâ€UV Nonlinear Optical (NLO) Materials using Edgeâ€Sharing Tetrahedra. Angewandte Chemie, 2020, 132, 9007-9011.	2.0	35
119	[R-C7H16N2][V2Te2O10] and [S-C7H16N2][V2Te2O10]; new polar templated vanadium tellurite enantiomers. Journal of Solid State Chemistry, 2011, 184, 1445-1450.	2.9	34
120	Top-Seeded Solution Crystal Growth, Morphology, Optical and Thermal Properties of Ba₃(ZnB₅O₁₀)PO₄. Crystal Growth and Design, 2016, 16, 3976-3982.	3.0	34
121	Double perovskite type polar magnets <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:mi>FeW</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> () Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 72 Td (x)BiTi_{3/8}Fe<sub>	3.2	34
122	Noncentrosymmetry in New Templated Gallium Fluorophosphates. Inorganic Chemistry, 2009, 48, 11277-11282.	4.0	33
123	Homochiral Helical Metalâ€“Organic Frameworks of Group 1 Metals. Inorganic Chemistry, 2013, 52, 10041-10051.	4.0	33
124	Polar Compounds Constructed with the [Cr2O7]2-Anion. Inorganic Chemistry, 2001, 40, 2015-2019.	4.0	31
125	Powder second-harmonic generation study of (K2O)15(Nb2O5)15(TeO2)70 glass ceramic. Applied Physics Letters, 2004, 85, 938-939.	3.3	31
126	Morphotropic Phase Boundary in the Pbâ€Free (1 â^') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 72 Td (x)BiTi_{3/8}Fe<sub>System: Tetragonal Polarization and Enhanced Electromechanical Properties. Advanced Materials, 2015, 27, 2883-2889.	21.0	31

#	Article	IF	Citations
127	Ba₄B₈TeO₁₉: A UV Nonlinear Optical Material. Inorganic Chemistry, 2018, 57, 4771-4776.	4.0	31
128	Periodic Tendril Perversion and Helices in the AMoO₂F₃ (A = K, Rb,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	13.7	31
129	Time-resolved, in situ X-ray diffraction studies of the hydrothermal syntheses of microporous materials. Microporous and Mesoporous Materials, 1998, 21, 253-262.	4.4	30
130	Structureâ€“Property Relationships in Solid Solutions of Noncentrosymmetric Aurivillius Phases, Bi4â€“xLaxTi3O12 (x = 0â€“0.75). Inorganic Chemistry, 2012, 51, 10402-10407.	4.0	30
131	A-Site and B-Site Cation Ordering Induces Polar and Multiferroic Behavior in the Perovskite NaLnNiWO₆ (Ln = Y, Dy, Ho, and Yb). Chemistry of Materials, 2020, 32, 5641-5649.	6.7	30
132	Crystal growth in aqueous hydrofluoric acid and (HF)x Â· pyridine solutions: syntheses and crystal structures of [Ni(H2O)6]2+[MF6]2â^' (M = Ti, Zr, Hf) and Ni3(py)12F6 Â· 7H2O. Inorganica Chimica Acta, 1995, 240, 109-115.	2.4	29
133	Anisotropic Thermal Properties of the Nonlinear Optical and Polar Oxide Material Na2TeW2O9. Crystal Growth and Design, 2011, 11, 3636-3641.	3.0	29
134	Novel 3D bismuth-based coordination polymers: Synthesis, structure, and second harmonic generation properties. Journal of Solid State Chemistry, 2012, 195, 94-100.	2.9	28
135	Polar and Magnetic Layered A-Site and Rock Salt B-Site-Ordered NaLnFeWO₆ (Ln = La, Nd) Perovskites. Inorganic Chemistry, 2013, 52, 12482-12491.	4.0	28
136	Frustration of Magnetic and Ferroelectric Long-Range Order in Bi₂Mn_{4/3}Ni_{2/3}O₆. Journal of the American Chemical Society, 2009, 131, 14000-14017.	13.7	27
137	Synthesis, characterization and dielectric properties of new unidimensional quaternary tellurites: LaTeNbO6, La4Te6Nb2O23, and La4Te6Ta2O23. Journal of Solid State Chemistry, 2003, 175, 264-271.	2.9	26
138	Ambient-Pressure Synthesis of SHG-Active Eu2Ti2O7with a [110] Layered Perovskite Structure:Â Suppressing Pyrochlore Formation by Oxidation of Perovskite-Type EuTiO3. Chemistry of Materials, 2007, 19, 1883-1885.	6.7	26
139	Top-Seeded Solution Crystal Growth and Functional Properties of Polar LiFeP₂O₇. Crystal Growth and Design, 2012, 12, 2127-2132.	3.0	26
140	Role of Hydrogen-Bonding in the Formation of Polar Achiral and Nonpolar Chiral Vanadium Selenite Frameworks. Inorganic Chemistry, 2012, 51, 11040-11048.	4.0	25
141	Crystal Growth of Four Oxovanadium(IV) Tartrates Prepared via a Mild Two-Step Hydrothermal Method: Observation of Spin-Dimer Behavior and Second Harmonic Generation. Inorganic Chemistry, 2015, 54, 4011-4020.	4.0	25
142	K₈(K₅F)U₆Si₈O₄₀: An Intergrowth Uranyl Silicate. Inorganic Chemistry, 2016, 55, 3215-3217.	4.0	25
143	Top-seeded solution crystal growth of noncentrosymmetric and polar Zn2TeMoO7 (ZTM). Journal of Solid State Chemistry, 2016, 236, 32-38.	2.9	25
144	Cation Exchange as a Mechanism To Engineer Polarity in Layered Perovskites. Chemistry of Materials, 2018, 30, 8915-8924.	6.7	25

#	Article	IF	Citations
145	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.	4.0	25
146	Chirality control in white-light emitting 2D perovskites. Journal of Materials Chemistry C, 2020, 8, 9602-9607.	5.5	24
147	Synthesis and Characterization of NaGaTe2O6Â·2.4H2O:Â A New Open-Framework Tellurite Related to Zemannite. Inorganic Chemistry, 2001, 40, 1404-1405.	4.0	23
148	DFT-based ab initio study of dielectric and optical properties of bulk Li2B3O4F3 and Li2B6O9F2. Journal of Physics and Chemistry of Solids, 2013, 74, 616-623.	4.0	23
149	A₅RE₄X[TO₄]₄crystal growth and photoluminescence. Fluoride flux synthesis of sodium and potassium rare earth silicate oxyfluorides. CrystEngComm, 2015, 17, 4654-4661.	2.6	23
150	Synthesis and structure of the new pentanary uranium(<scp>vi</scp>) silicate, K₄CaUSi₄O₁₄, a member of a structural family related to fresnoite. CrystEngComm, 2015, 17, 4218-4224.	2.6	23
151	Structural studies of a cubic, high-temperature (Î±) polymorph of Pb2GeS4 and the isostructural Pb2â^'xSnxGeS4â^'ySey solid solution. Journal of Alloys and Compounds, 2002, 335, 105-110.	5.5	22
152	Pb₂BO₃I: A Borate Iodide with the Largest Secondâ€Harmonic Generation (SHG) Response in the KBe₂BO₃F₂ (KBBF) Family of Nonlinear Optical (NLO) Materials. Angewandte Chemie, 2018, 130, 6208-6211.	2.0	22
153	New thallium iodatesâ€"Synthesis, characterization, and calculations of Tl(IO3)3 and Tl4(IO3)6, [Tl+3Tl3+(IO3)6]. Journal of Solid State Chemistry, 2009, 182, 3269-3274.	2.9	21
154	Cd_{1â^'x}Bi_x(Cd_{1+x}In_{1â^'x})VO₆ (0 â‰¤ x â‰¤ 0.14): A New Polar Oxide with Second-Harmonic Generation. Chemistry of Materials, 2010, 22, 4814-4820.	6.7	21
155	La₂SrCr₂O₇: Controlling the Tilting Distortions of n = 2 Ruddlesdenâ€"Popper Phases through A-Site Cation Order. Inorganic Chemistry, 2016, 55, 8951-8960.	4.0	21
156	Preface: Overview of the Forum on Functional Inorganic Materials. Inorganic Chemistry, 2008, 47, 8427-8428.	4.0	20
157	Experimental and Computational Investigation of the Polar Ferrimagnet VOSe₂O₅. Chemistry of Materials, 2010, 22, 5074-5083.	6.7	20
158	RbFe²⁺Fe³⁺F₆: Synthesis, structure, and characterization of a new charge-ordered magnetically frustrated pyrochlore-related mixed-metal fluoride. Chemical Science, 2012, 3, 741-751.	7.4	20
159	AgBi(SO4)(IO3)2: aliovalent substitution induces structure dimensional upgrade and second harmonic generation enhancement. Chemical Communications, 2021, 57, 3712-3715.	4.1	20
160	Noncentrosymmetric Cation Order in the Cubic Perovskite Ba₄CaFe₃O_{9.5}. Chemistry of Materials, 2010, 22, 5580-5587.	6.7	19
161	Synthesis and characterization of ASnF3 (A=Na+, K+, Rb+, Cs+). Journal of Solid State Chemistry, 2014, 210, 213-218.	2.9	19
162	Syntheses, Structures, and Properties of Non-Centrosymmetric Quaternary Tellurates BiMTeO₆ (M = Al, Ga). Inorganic Chemistry, 2018, 57, 7950-7956.	4.0	19

#	Article	IF	Citations
163	Pb₂TiFO(SeO₃)₂Br: a new polar compound with the strongest second harmonic generation in the selenite bromide family. Journal of Materials Chemistry C, 2021, 9, 6491-6497.	5.5	19
164	Synthesis, Structure, Characterization, and Calculations of Two New Sn²⁺â^'W⁶⁺â^'oxides, Sn₂WO₅ and Sn₃WO₆. Inorganic Chemistry, 2007, 46, 7005-7011.	4.0	18
165	A New Magnetically Ordered Polymorph of CuMoO₄: Synthesis and Characterization of Îµ-CuMoO₄. Chemistry of Materials, 2008, 20, 3785-3787.	6.7	17
166	Why Some Noncentrosymmetric Borates Do Not Make Good Nonlinear Optical Materials: A Case Study with K₃B₅O₈(OH)₂. Inorganic Chemistry, 2018, 57, 11801-11808.	4.0	17
167	A Low Temperature Method for the Synthesis of New Lead Selenite Chlorides:Â Pb3(SeO3)(SeO2OH)Cl3and Pb3(SeO3)2Cl2. Inorganic Chemistry, 2001, 40, 2640-2641.	4.0	16
168	Synthesis, structure and characterization of two new antimony oxidesâ€“LaSb3O9and LaSb5O12: Formation of LaSb5O12from the reaction of LaSb3O9with Sb2O3. Journal of Materials Chemistry, 2004, 14, 116-120.	6.7	16
169	Ba₂YFeO_{5.5}: A Ferromagnetic Pyroelectric Phase Prepared by Topochemical Oxidation.. Chemistry of Materials, 2013, 25, 1800-1808.	6.7	16
170	Crystal Growth and Associated Properties of a Nonlinear Optical Crystalâ€”Ba2Zn(BO3)2. Crystals, 2016, 6, 68.	2.2	16
171	Polarity and Ferromagnetism in Two-Dimensional Hybrid Copper Perovskites with Chlorinated Aromatic Spacers. Chemistry of Materials, 2022, 34, 2458-2467.	6.7	16
172	Synthesis, structure, and characterization of a new two-dimensional lead(II) vanadate, Ba3PbV4O14. Solid State Sciences, 2007, 9, 370-375.	3.2	15
173	Na3Ga3Te2O12: Synthesis, single crystal structure and characterization. Solid State Sciences, 2008, 10, 1263-1268.	3.2	15
174	Perovskite Bâ€Site Compositional Control of [110]_p Polar Displacement Coupling in an Ambientâ€Pressureâ€Stable Bismuthâ€based Ferroelectric. Angewandte Chemie - International Edition, 2012, 51, 10770-10775.	13.8	15
175	Synthesis and Selective Topochemical Fluorination of the Cation and Anion-Vacancy Ordered phases Ba₂YCoO₅ and Ba₃YCo₂O_{7.5}. Inorganic Chemistry, 2013, 52, 13762-13769.	4.0	15
176	Cation Exchange in a 3D Perovskiteâ€”Synthesis of Ni_{0.5}TaO₃. Inorganic Chemistry, 2014, 53, 8020-8024.	4.0	15
177	Labile Degree of Disorder in Bismuth-Oxophosphate Compounds: Illustration through Three New Structural Types. Inorganic Chemistry, 2014, 53, 861-871.	4.0	15
178	NdBaScO₄: aristotype of a new family of geometric ferroelectrics?. Chemical Communications, 2016, 52, 10980-10983.	4.1	15
179	Understanding the Behavior of the Above-Room-Temperature Molecular Ferroelectric 5,6-Dichloro-2-methylbenzimidazole Using Symmetry Adapted Distortion Mode Analysis. Journal of the American Chemical Society, 2018, 140, 13441-13448.	13.7	15
180	Lanthanide thioborates, an emerging class of nonlinear optical materials, efficiently synthesized using the boronâ€“chalcogen mixture method. Chemical Communications, 2022, 58, 7992-7995.	4.1	15

#	Article	IF	Citations
181	Inducing polarity in [VO3]nnâ^' chain compounds using asymmetric hydrogen-bonding networks. Journal of Solid State Chemistry, 2012, 195, 86-93.	2.9	14
182	Polar Alignment of Î›-Shaped Basic Building Units within Transition Metal Oxide Fluoride Materials. Inorganic Chemistry, 2014, 53, 221-228.	4.0	14
183	K₄Fe₃F₁₂: An Fe²⁺/Fe³⁺ Charge-Ordered, Ferrimagnetic Fluoride with a Cation-Deficient, Layered Perovskite Structure. Inorganic Chemistry, 2015, 54, 6647-6652.	4.0	14
184	Zn 3 Sb 4 O 6 F 6 : Hydrothermal synthesis, crystal structure and nonlinear optical properties. Journal of Solid State Chemistry, 2017, 256, 158-161.	2.9	14
185	New Members of SHG Active Dugganite Family, A₃BC₃D₂O₁₄ (A = Ba, Pb; B = Te, Sb; C = Al, Ga, Fe, Zn; D) Tj ET Q q 1 1 0.784314	4.0	14
186	Tuning between Proper and Hybrid-Improper Mechanisms for Polar Behavior in CsLn2Ti2NbO10 Dion-Jacobson Phases. Chemistry of Materials, 2020, 32, 8700-8712.	6.7	14
187	Switching between Proper and Hybrid-Improper Polar Structures via Cation Substitution in A₂La(TaTi)O₇(A = Li, Na). Chemistry of Materials, 2021, 33, 2666-2672.	6.7	14
188	Stereo-Active Lone-Pair Control on the Ferromagnetic Behavior in VO(SeO₂OH)₂: A New Acentric Ferromagnetic Material. Chemistry of Materials, 2010, 22, 6665-6672.	6.7	13
189	Top-Seeded Single-Crystal Growth, Structure, and Physical Properties of Polar LiCrP₂O₇. Crystal Growth and Design, 2013, 13, 5473-5480.	3.0	13
190	Structural Modification of the Cation-Ordered Ruddlesdenâ€“Popper Phase YSr₂Mn₂O₇ by Cation Exchange and Anion Insertion. Inorganic Chemistry, 2017, 56, 9988-9995.	4.0	13
191	Crystal Growth and Linear and Nonlinear Optical Properties of KIO₃Â·Te(OH)₆. Crystal Growth and Design, 2017, 17, 4405-4412.	3.0	13
192	NaRb₃B₆O₉(OH)₃(HCO₃): A Borate-Bicarbonate Nonlinear Optical Material. Inorganic Chemistry, 2020, 59, 759-766.	4.0	13
193	Mixed lone-pair and mixed anion compounds: Pb3(SeO3)(HSeO3)Br3, Pb3(SeO3)(OH)Br3, CdPb8(SeO3)4Cl4Br6 and RbBi(SeO3)F2. Journal of Solid State Chemistry, 2020, 282, 121121.	2.9	13
194	Synthesis and characterization of two novel mixed metal tellurates: KGaTeO5Â·H2O and K3GaTe2O8(OH)2Â·H2O. Dalton Transactions, 2004, , 392-396.	3.3	12
195	New cadmium-selenium-oxyhalides: Noncentrosymmetric Cd5(SeO3)4Cl2(H2O) and centrosymmetric Cd2(SeO3)F2, Cd2(SeO3)(OH)Br. Journal of Solid State Chemistry, 2019, 273, 106-111.	2.9	12
196	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.	4.0	11
197	Nonlinear optical effects in nano-sized ferroelectrics Sr6Ti2Nb(Ta)8O30. Materials Letters, 2008, 62, 1082-1084.	2.6	10
198	An Electronically Driven Improper Ferroelectric: Tungsten Bronzes as Microstructural Analogs for the Hexagonal Manganites. Advanced Materials, 2019, 31, 1903620.	21.0	10

#	Article	IF	Citations
199	Effect of Pb Substitution in Sr_{2-x}Pb_xGeSe₄ on Crystal Structures and Nonlinear Optical Properties Predicted by DFT Calculations. Inorganic Chemistry, 2020, 59, 15028-15035.	4.0	10
200	LiIn₂SbO₆: A New Rutile-Related Structure Type with Unique Ion Channels. Chemistry of Materials, 2020, 32, 4785-4794.	6.7	10
201	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.	4.0	10
202	Structural, Magnetic, and Electrical Properties of Doubly Ordered Perovskites NaLnNiWO₆ (Ln = La, Pr, Nd, Sm, Eu, Gd, and Tb). Journal of Physical Chemistry C, 2021, 125, 6749-6757.	3.1	10
203	Twinned crystal structure and compressibility of TlTeVO5. Journal of Solid State Chemistry, 2009, 182, 1570-1574.	2.9	9
204	Symmetry preservation in a new noncentrosymmetric lattice comprised of acentric POM clusters residing in bowls of Cs⁺-based half SOD Î²-cage. Chemical Communications, 2012, 48, 1665-1667.	4.1	9
205	Weak ferromagnetism and internal magnetoelectric effect in LiFeP<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	3.2	9
206	Cs₂CdV₂O₆Cl₂ and Cs₃CdV₄O₁₂Br: two new non-centrosymmetric oxyhalides containing d⁰ and d¹⁰ cations and exhibiting second harmonic generation activity. Dalton Transactions, 2019, 48, 10642-10651.	3.3	9
207	Notizen: Synthesis and Characterization of Nadorite: PbSbO2Cl. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2002, 57, 360-362.	0.7	8
208	Synthesis and structure of A4V6[Te24+Te6+]O24 (A = K, Rb)â€”two new quaternary mixed-valent tellurium oxides. Dalton Transactions, 2011, 40, 8527.	3.3	8
209	Perovskite Bâ€Site Compositional Control of [110]_p Polar Displacement Coupling in an Ambientâ€Pressureâ€Stable Bismuthâ€based Ferroelectric. Angewandte Chemie, 2012, 124, 10928-10933.	2.0	8
210	Top-seeded solution crystal growth of noncentrosymmetric and polar K3V5O14. CrystEngComm, 2012, 14, 6839.	2.6	8
211	Sb-Based antiferromagnetic oxychlorides: MSb₂O₃(OH)Cl (M = Mn, Fe, Co) with 2D spin-dimer structures. Dalton Transactions, 2016, 45, 18183-18189.	3.3	8
212	Polar Structures of KNdNb₂O₇ and KNdTa₂O₇. Chemistry of Materials, 2020, 32, 7965-7972.	6.7	8
213	Mixed-valent selenium compounds: Noncentrosymmetric Cd3(SeO3)2(SeO4) and Hg3(SeO3)2(SeO4) and centrosymmetric Pb2(SeO3) (SeO4). Journal of Solid State Chemistry, 2020, 286, 121292.	2.9	8
214	Bi2W2O9 : A potentially antiferroelectric Aurivillius phase. Physical Review B, 2020, 101, .	3.2	8
215	Synthesis, structure and characterization of a new tellurate: NaBiTeO5. Solid State Sciences, 2002, 4, 793-797.	3.2	7
216	Polar inorganic materials: Opportunities and challenges. Journal of Solid State Chemistry, 2012, 195, 1.	2.9	7

#	Article	IF	Citations
217	Syntheses, crystal structures, and characterization of two new Tl+â€“Cu2+â€“Te6+ oxides: Tl4CuTeO6 and Tl6CuTe2O10. Journal of Solid State Chemistry, 2012, 196, 607-613.	2.9	7
218	Large scale synthesis, second-harmonic generation, and piezoelectric properties of a noncentrosymmetric vanadium phosphate, Li2VPO6. Journal of Solid State Chemistry, 2013, 202, 22-26.	2.9	7
219	A Cubic Non-Centrosymmetric Mixed-Valence Iron Borophosphateâ€“Phosphite. Crystal Growth and Design, 2016, 16, 1187-1194.	3.0	7
220	BaCuSiTe₃: A Noncentrosymmetric Semiconductor with CuTe₄ Tetrahedra and Ethane-like Si₂Te₆ Units. Inorganic Chemistry, 2019, 58, 11656-11663.	4.0	7
221	Asymmetric Cation Coordination in Oxide Materials: Influence of Lone-Pair Cations on the Intra-octahedral Distortion in d0 Transition Metals. ChemInform, 2004, 35, no.	0.0	6
222	Original oxo-centered bismuth oxo-arsenates; critical effect of PO₄for AsO₄substitution. CrystEngComm, 2017, 19, 936-945.	2.6	6
223	Synthesis and Characterization of Two New Second Harmonic Generation Active Iodates: K3Sc(IO3)6 and KSc(IO3)3Cl. ACS Omega, 2020, 5, 5235-5240.	3.5	6
224	Directed synthesis of a hybrid improper magnetoelectric multiferroic material. Nature Communications, 2021, 12, 4945.	12.8	6
225	[pyH+]2[CdNb2(py)4O2F10]2â‹…. Acta Crystallographica Section C: Crystal Structure Communications, 1996, 52, 2491-2493.	0.4	5
226	Oxide Ion Conductivity, Proton Conductivity, and Phase Transitions in Perovskite-Derived Ba_{3â€“x}Sr_xYGa₂O_{7.5} 0 â‰¤ x â‰¤ 3 Materials. Chemistry of Materials, 2022, 34, 3185-3196.	6.7	5
227	Crystal Structure of a New Quinternary Oxide: NaTl3Cu4Te2O12. Journal of Chemical Crystallography, 2011, 41, 328-331.	1.1	4
228	The Five Stages of Rejection. Inorganic Chemistry, 2018, 57, 4789-4790.	4.0	4
229	Perovskite-like K₃TiOF₅ Exhibits (3 + 1)-Dimensional Commensurate Structure Induced by Octahedrally Coordinated Potassium Ions. Journal of the American Chemical Society, 2021, 143, 18907-18916.	13.7	4
230	Li₂Mg₂Si₂S₆ and Li₂Mg₂Ge₂S₆: Two nonlinear optical sulfides featuring a unique, polar trigonal structure incorporating ethaneâ€‘like anions. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	1.2	4
231	Crystal Growth and Structures of New Niobium and Tantalum Oxides: Sr3LiNbO6 and Sr3LiTaO6. Journal of Chemical Crystallography, 2011, 41, 1195-1197.	1.1	3
232	A high-pressure single-crystal synchrotron diffraction study of NH4RbTe4O9Â·2H2O: stability of three different TeOxcoordination polyhedra. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, i45-i49.	0.4	3
233	Optical Materials: Design and Synthesis of the Berylliumâ€Free Deepâ€Ultraviolet Nonlinear Optical Material Ba₃(ZnB₅O₁₀)PO₄ (Adv. Mater. 45/2015). Advanced Materials, 2015, 27, 7379-7379.	21.0	3
234	The influence of the 6s2 configuration of Bi3+ on the structures of Aâ€²BiNb2O7 (Aâ€² = Rb, Na, Li) layered perovskite oxides. Dalton Transactions, 2021, 50, 15359-15369.	3.3	3

#	Article	IF	Citations
235	Synthesis of Hydrated Ternary Lanthanide-Containing Chlorides Exhibiting X-ray Scintillation and Luminescence. Inorganic Chemistry, 2021, 60, 15371-15382.	4.0	3
236	Variable Dimensionality in The Uranium Fluoride / 2-Methyl-Piperazine System: Syntheses and Structures of UFO-5, 6, and 7; Zero, One, and Two Dimensional Materials with Unprecedented Topologies. Materials Research Society Symposia Proceedings, 1998, 547, 383.	0.1	2
237	Syntheses, Structures, Second-Harmonic Generating, and Ferroelectric Properties of Tungsten Bronzes: A6M2Mâ€²8O30 (A: Sr2+, Ba2+, or Pb2+; M: Ti4+, Zr4+, or Hf4+; Mâ€²: Nb5+ or Ta5+).. ChemInform, 2004, 35, no.	0.0	2
238	¹¹⁹Sn MÃ¶ssbauer spectroscopy of solvothermally synthesized fluorides ASnF₃ (A = Na, K, Rb, Cs). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 765-767.	0.7	2
239	High pressure synthesis and magnetic properties of corundum-type Ga1-Al FeO3 (xâ€¯=â€¯0, 0.25, 0.5). Journal of Solid State Chemistry, 2018, 265, 79-84.	2.9	2
240	What IS Inorganic Chemistry?. Inorganic Chemistry, 2019, 58, 9515-9516.	4.0	2
241	Defects and disorder in apatite-type silicate oxide ion conductors: implications for conductivity. Journal of Materials Chemistry A, 2022, 10, 14576-14584.	10.3	2
242	(NH4)2WTe2O8at 5.09â€…GPa: a single-crystal study using synchrotron radiation. Acta Crystallographica Section C: Crystal Structure Communications, 2010, 66, i79-i81.	0.4	1
243	Nonlinear Optical Materials: The Nextâ€Generation of Nonlinear Optical Materials: Rb₃Ba₃Li₂Al₄B₆O₂₀Fâ€”Synthesis, Characterization, and Crystal Growth (Advanced Optical Materials 23/2017). Advanced Optical Materials, 2017, 5, .	7.3	1
244	Interplay between Oxo and Fluoro in Vanadium Oxyfluorides for Centrosymmetric and Non-Centrosymmetric Structure Formation. Molecules, 2021, 26, 603.	3.8	1
245	Syntheses, Structures, and Characterization of New Lead(II)â€”Tellurium(IV)â€”Oxide Halides: Pb3Te2O6X2 and Pb3TeO4X2 (X: Cl or Br).. ChemInform, 2003, 34, no.	0.0	0
246	Hydrothermal Preparation, Structures, and NLO Properties of the Rare Earth Molybdenyl Iodates Ln(MoO2)(IO3)4(OH) [Ln: Nd, Sm, Eu].. ChemInform, 2003, 34, no.	0.0	0
247	Combining Second-Order Jahnâ€Teller Distorted Cations to Create Highly Efficient SHG Materials: Synthesis, Characterization, and NLO Properties of BaTeM2O9 (M: Mo6+ or W6+).. ChemInform, 2003, 34, no.	0.0	0
248	Synthesis, Structure, and Characterization of Two New Layered Mixed-Metal Phosphates, BaTeMO4(PO4) (M: Nb5+ or Ta5+).. ChemInform, 2004, 35, no.	0.0	0
249	Asymmetric Cationic Coordination Environments in New Oxide Materials: Synthesis and Characterization of Pb4Te6M10O41 (M: Nb5+ or Ta5+).. ChemInform, 2004, 35, no.	0.0	0
250	The Lone-Pair Cation I5+ in a Hexagonal Tungsten Oxide-Like Framework: Synthesis, and Second-Harmonic Generating Properties of Cs2I4O11.. ChemInform, 2004, 35, no.	0.0	0
251	New d0 Transition Metal Iodates: Synthesis, Structure, and Characterization of BaTi(IO3)6, LaTiO(IO3)5, Ba2VO2(IO3)4Ã— (IO3), K2MoO2(IO3)4, and BaMoO2(IO3)4Ã—H2O.. ChemInform, 2005, 36, no.	0.0	0
252	Synthesis of the Thioborate Crystal ZnxBa2B2S5+x (x â‰ˆ 0.2) for Second Order Nonlinear Optical Applications.. ChemInform, 2005, 36, no.	0.0	0

#	Article	IF	Citations
253	Mixed-Metal Tellurites: Synthesis, Structure, and Characterization of Na1.4Nb3Te4.9O18 and NaNb3Te4O16.. ChemInform, 2005, 36, no.	0.0	0
254	Reply to Comment on â€œDistortions in Octahedrally Coordinated d0Transition Metal Oxides:Â A Continuous Symmetry Measures Approachâ€• Chemistry of Materials, 2007, 19, 1200-1200.	6.7	0
255	Improper Ferroelectricity: An Electronically Driven Improper Ferroelectric: Tungsten Bronzes as Microstructural Analogs for the Hexagonal Manganites (Adv. Mater. 40/2019). Advanced Materials, 2019, 31, 1970287.	21.0	0
256	Preparation of the noncentrosymmetric ferrimagnetic phase La0.9Ba0.1Mn0.96O2.43 by topochemical reduction. Journal of Solid State Chemistry, 2020, 287, 121356.	2.9	0
257	Ultraviolet and Deep-Ultraviolet Nonlinear Optical Materials. , 2019, , 67-102.		0
258	The crystal and defect structures of polar KBiNb2O7. Dalton Transactions, 2022, 51, 1866-1873.	3.3	0
259	Phosphorescence in Mn⁴⁺-Doped R⁺/R²⁺ Germanates (R⁺ = Na⁺ or K⁺, R²⁺ = Sr²⁺). Inorganic Chemistry, 2022, 61, 9364-9374.	4.0	0