Shiv Halasyamani

List of Publications by Year
in descending order

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259	16,676	15001	20023
papers	citations	68 h-index	121 g-index

337	337	337	6538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The crystal and defect structures of polar KBiNb2O7. Dalton Transactions, 2022, 51, 1866-1873.	1.6	0
2	Polarity and Ferromagnetism in Two-Dimensional Hybrid Copper Perovskites with Chlorinated Aromatic Spacers. Chemistry of Materials, 2022, 34, 2458-2467.	3.2	16
3	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.	3.2	5
4	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, .	0.6	4
5	Defects and disorder in apatite-type silicate oxide ion conductors: implications for conductivity. Journal of Materials Chemistry A, 2022, 10, 14576-14584.	5.2	2
6	Lanthanide thioborates, an emerging class of nonlinear optical materials, efficiently synthesized using the boronâ€“chalcogen mixture method. Chemical Communications, 2022, 58, 7992-7995.	2.2	15
7	Phosphorescence in Mn⁴⁺-Doped R⁺/R²⁺ Germanates (R⁺ = Na⁺ or K⁺, R²⁺ = Sr²⁺). Inorganic Chemistry, 2022, 61, 9364-9374.	1.9	0
8	AgBi(SO4)(IO3)2: aliovalent substitution induces structure dimensional upgrade and second harmonic generation enhancement. Chemical Communications, 2021, 57, 3712-3715.	2.2	20
9	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.	2.7	19
10	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.	3.2	14
11	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.	1.5	10
12	Directed synthesis of a hybrid improper magnetoelectric multiferroic material. Nature Communications, 2021, 12, 4945.	5.8	6
13	Interplay between Oxo and Fluoro in Vanadium Oxyfluorides for Centrosymmetric and Non-Centrosymmetric Structure Formation. Molecules, 2021, 26, 603.	1.7	1
14	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.	1.6	3
15	Synthesis of Hydrated Ternary Lanthanide-Containing Chlorides Exhibiting X-ray Scintillation and Luminescence. Inorganic Chemistry, 2021, 60, 15371-15382.	1.9	3
16	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.	6.6	4
17	Li₂K₄TiOGe₄O₁₂: A Stable Mid-Infrared Nonlinear Optical Material. Chemistry of Materials, 2020, 32, 906-912.	3.2	48
18	NaRb₃B₆O₉(OH)₃(HCO₃): A Borate-Bicarbonate Nonlinear Optical Material. Inorganic Chemistry, 2020, 59, 759-766.	1.9	13

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19	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.	1.4	13
20	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.	1.9	10
21	Polar Structures of KNdNb₂O₇ and KNdTa₂O₇. Chemistry of Materials, 2020, 32, 7965-7972.	3.2	8
22	Tuning between Proper and Hybrid-Improper Mechanisms for Polar Behavior in CsLn2Ti2NbO10 Dion-Jacobson Phases. Chemistry of Materials, 2020, 32, 8700-8712.	3.2	14
23	LiIn₂SbO₆: A New Rutile-Related Structure Type with Unique Ion Channels. Chemistry of Materials, 2020, 32, 4785-4794.	3.2	10
24	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.	3.2	30
25	Chirality control in white-light emitting 2D perovskites. Journal of Materials Chemistry C, 2020, 8, 9602-9607.	2.7	24
26	Designing Silicates as Deepâ€UV Nonlinear Optical (NLO) Materials using Edgeâ€Sharing Tetrahedra. Angewandte Chemie, 2020, 132, 9007-9011.	1.6	35
27	Designing Silicates as Deepâ€UV Nonlinear Optical (NLO) Materials using Edgeâ€Sharing Tetrahedra. Angewandte Chemie - International Edition, 2020, 59, 8922-8926.	7.2	104
28	Periodic Tendril Perversion and Helices in the AMoO₂F₃ (A = K, Rb,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	6.6	31
29	Synthesis and Characterization of Two New Second Harmonic Generation Active Iodates: K3Sc(IO3)6 and KSc(IO3)3Cl. ACS Omega, 2020, 5, 5235-5240.	1.6	6
30	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.	1.4	8
31	Polymorphism and Molten Nitrate Salt-Assisted Single Crystal to Single Crystal Ion Exchange in the Cesium Ferrogermanate Zeotype: CsFeGeO₄. Inorganic Chemistry, 2020, 59, 9699-9709.	1.9	10
32	BaF₂TeF₂(OH)₂: A UV Nonlinear Optical Fluorotellurite Material Designed by Band-Gap Engineering. Journal of the American Chemical Society, 2020, 142, 4616-4620.	6.6	111
33	Bi2W2O9 : A potentially antiferroelectric Aurivillius phase. Physical Review B, 2020, 101, .	1.1	8
34	Preparation of the noncentrosymmetric ferrimagnetic phase La0.9Ba0.1Mn0.96O2.43 by topochemical reduction. Journal of Solid State Chemistry, 2020, 287, 121356.	1.4	0
35	An Electronically Driven Improper Ferroelectric: Tungsten Bronzes as Microstructural Analogs for the Hexagonal Manganites. Advanced Materials, 2019, 31, 1903620.	11.1	10
36	BaCuSiTe₃: A Noncentrosymmetric Semiconductor with CuTe₄ Tetrahedra and Ethane-like Si₂Te₆ Units. Inorganic Chemistry, 2019, 58, 11656-11663.	1.9	7

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37	What IS Inorganic Chemistry?. Inorganic Chemistry, 2019, 58, 9515-9516.	1.9	2
38	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.	11.1	0
39	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.	1.6	9
40	Molten Alkali Halide Flux Growth of an Extensive Family of Noncentrosymmetric Rare Earth Sulfides: Structure and Magnetic and Optical (SHG) Properties. Inorganic Chemistry, 2019, 58, 8541-8550.	1.9	25
41	New Members of SHG Active Dugganite Family, A₃BC₃D₂O₁₄ (A = Ba, Pb; B = Te, Sb; C = Al, Ga, Fe, Zn; D) Tj EMQq1 1 0.784314	1.4	14
42	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.	1.4	12
43	K₅(W₃O₉F₄)(IO₃): An Efficient Mid-Infrared Nonlinear Optical Compound with High Laser Damage Threshold. Chemistry of Materials, 2019, 31, 10100-10108.	3.2	92
44	Ultraviolet and Deep-Ultraviolet Nonlinear Optical Materials. , 2019, , 67-102.		0
45	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.	7.2	177
46	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.	1.6	22
47	Ba₄B₈TeO₁₉: A UV Nonlinear Optical Material. Inorganic Chemistry, 2018, 57, 4771-4776.	1.9	31
48	Cation Exchange as a Mechanism To Engineer Polarity in Layered Perovskites. Chemistry of Materials, 2018, 30, 8915-8924.	3.2	25
49	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.	6.6	15
50	Why Some Noncentrosymmetric Borates Do Not Make Good Nonlinear Optical Materials: A Case Study with K₃B₅O₈(OH)₂. Inorganic Chemistry, 2018, 57, 11801-11808.	1.9	17
51	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.	1.4	2
52	The must-have and nice-to-have experimental and computational requirements for functional frequency doubling deep-UV crystals. Nature Communications, 2018, 9, 2972.	5.8	137
53	The Five Stages of Rejection. Inorganic Chemistry, 2018, 57, 4789-4790.	1.9	4
54	Function of Tetrahedral ZnS₃O Building Blocks in the Formation of SrZn₂S₂O: A Phase Matchable Polar Oxysulfide with a Large Second Harmonic Generation Response. Chemistry of Materials, 2018, 30, 6486-6493.	3.2	64

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55	Syntheses, Structures, and Properties of Non-Centrosymmetric Quaternary Tellurates BiMTeO₆ (M = Al, Ga). Inorganic Chemistry, 2018, 57, 7950-7956.	1.9	19
56	Berylliumâ€Free Î²â€Rb₂Al₂B₂O₇ as a Possible Deepâ€Ultraviolet Nonlinear Optical Material Replacement for KBe₂BO₃F₂. Angewandte Chemie - International Edition, 2017, 56, 2969-2973.	7.2	150
57	Berylliumâ€Free Î²â€Rb₂Al₂B₂O₇ as a Possible Deepâ€Ultraviolet Nonlinear Optical Material Replacement for KBe₂BO₃F₂. Angewandte Chemie, 2017, 129, 3015-3019.	1.6	72
58	M₄Mg₄(P₂O₇)₃ (M = K, Rb): Structural Engineering of Pyrophosphates for Nonlinear Optical Applications. Chemistry of Materials, 2017, 29, 1845-1855.	3.2	187
59	Top-Seeded Solution Crystal Growth and Linear and Nonlinear Optical Properties of Ba₄B₁₁O₂₀F. Crystal Growth and Design, 2017, 17, 1404-1410.	1.4	37
60	Phase-Matching in Nonlinear Optical Compounds: A Materials Perspective. Chemistry of Materials, 2017, 29, 2655-2668.	3.2	177
61	Crystal Growth and Structure Analysis of Ce₁₈W₁₀O₅₇: A Complex Oxide Containing Tungsten in an Unusual Trigonal Prismatic Coordination Environment. Inorganic Chemistry, 2017, 56, 2566-2575.	1.9	11
62	Mixed-Metal Carbonate Fluorides as Deep-Ultraviolet Nonlinear Optical Materials. Journal of the American Chemical Society, 2017, 139, 1285-1295.	6.6	195
63	Original oxo-centered bismuth oxo-arsenates; critical effect of PO₄for AsO₄substitution. CrystEngComm, 2017, 19, 936-945.	1.3	6
64	Theory and Neutrons Combine To Reveal a Family of Layered Perovskites without Inversion Symmetry. Chemistry of Materials, 2017, 29, 9489-9497.	3.2	36
65	The Nextâ€Generation of Nonlinear Optical Materials: Rb₃Ba₃Li₂Al₄B₆O₂₀Fâ€”Synthesis, Characterization, and Crystal Growth. Advanced Optical Materials, 2017, 5, 1700840.	3.6	68
66	Viewpoint: Inorganic Materials for UV and Deep-UV Nonlinear-Optical Applications. Inorganic Chemistry, 2017, 56, 12077-12085.	1.9	159
67	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.	1.4	14
68	Deep-Ultraviolet Nonlinear-Optical Material K₃Sr₃Li₂Al₄B₆O₂₀F: Addressing the Structural Instability Problem in KBe₂BO₃F₂. Inorganic Chemistry, 2017, 56, 8755-8758.	1.9	82
69	Structural Modification of the Cation-Ordered Ruddlesdenâ€“Popper Phase YSr₂Mn₂O₇ by Cation Exchange and Anion Insertion. Inorganic Chemistry, 2017, 56, 9988-9995.	1.9	13
70	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, .	3.6	1
71	Crystal Growth and Linear and Nonlinear Optical Properties of KIO₃Â·Te(OH)₆. Crystal Growth and Design, 2017, 17, 4405-4412.	1.4	13
72	Crystal growth and optical properties of a UV nonlinear optical material KSrCO₃F. CrystEngComm, 2017, 19, 4742-4748.	1.3	52

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73	Polar aeschynite-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 /O	1.1	34
74	Crystal Growth and Associated Properties of a Nonlinear Optical Crystalâ€”Ba2Zn(BO3)2. Crystals, 2016, 6, 68.	1.0	16
75	Top-Seeded Solution Crystal Growth, Morphology, Optical and Thermal Properties of Ba₃(ZnB₅O₁₀)PO₄. Crystal Growth and Design, 2016, 16, 3976-3982.	1.4	34
76	La₂SrCr₂O₇: Controlling the Tilting Distortions of n = 2 Ruddlesdenâ€“Popper Phases through A-Site Cation Order. Inorganic Chemistry, 2016, 55, 8951-8960.	1.9	21
77	NdBaScO₄: aristotype of a new family of geometric ferroelectrics?. Chemical Communications, 2016, 52, 10980-10983.	2.2	15
78	Deep Ultraviolet Nonlinear Optical Materials. Chemistry of Materials, 2016, 28, 5238-5258.	3.2	481
79	Sb-Based antiferromagnetic oxychlorides: MSb₂O₃(OH)Cl (M = Mn, Fe, Co) with 2D spin-dimer structures. Dalton Transactions, 2016, 45, 18183-18189.	1.6	8
80	LiNa₅Mo₉O₃₀: Crystal Growth, Linear, and Nonlinear Optical Properties. Chemistry of Materials, 2016, 28, 4483-4491.	3.2	61
81	Two New Non-centrosymmetric n = 3 Layered Dionâ€“Jacobson Perovskites: Polar RbBi₂Ti₂NbO₁₀ and Nonpolar CsBi₂Ti₂TaO₁₀. Chemistry of Materials, 2016, 28, 2424-2432.	3.2	52
82	Electronic, Crystal Chemistry, and Nonlinear Optical Property Relationships in the Dugganite A₃B₃CD₂O₁₄ Family. Journal of the American Chemical Society, 2016, 138, 4984-4989.	6.6	118
83	A Cubic Non-Centrosymmetric Mixed-Valence Iron Borophosphateâ€“Phosphite. Crystal Growth and Design, 2016, 16, 1187-1194.	1.4	7
84	K₈(K₅F)U₆Si₈O₄₀: An Intergrowth Uranyl Silicate. Inorganic Chemistry, 2016, 55, 3215-3217.	1.9	25
85	Bidenticity-Enhanced Second Harmonic Generation from Pb Chelation in Pb₃Mg₃TeP₂O₁₄. Journal of the American Chemical Society, 2016, 138, 88-91.	6.6	143
86	Large Birefringent Materials, Na₆Te₄W₆O₂₉ and Na₂TeW₂O₉: Synthesis, Structure, Crystal Growth, and Characterization. Crystal Growth and Design, 2016, 16, 1081-1087.	1.4	54
87	Top-seeded solution crystal growth of noncentrosymmetric and polar Zn2TeMoO7 (ZTM). Journal of Solid State Chemistry, 2016, 236, 32-38.	1.4	25
88	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.	11.1	3
89	Design and Synthesis of the Berylliumâ€Free Deepâ€Ultraviolet Nonlinear Optical Material Ba₃(ZnB₅O₁₀)PO₄. Advanced Materials, 2015, 27, 7380-7385.	11.1	262
90	A₅RE₄X[TO₄]₄crystal growth and photoluminescence. Fluoride flux synthesis of sodium and potassium rare earth silicate oxyfluorides. CrystEngComm, 2015, 17, 4654-4661.	1.3	23

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91	Macroscopic polarity control with alkali metal cation size and coordination environment in a series of tin iodates. Inorganic Chemistry Frontiers, 2015, 2, 361-368.	3.0	74
92	K₄Fe₃F₁₂: An Fe²⁺/Fe³⁺ Charge-Ordered, Ferrimagnetic Fluoride with a Cation-Deficient, Layered Perovskite Structure. Inorganic Chemistry, 2015, 54, 6647-6652.	1.9	14
93	Polar Polymorphism: Î±-, Î²-, and Î³-Pb₂Ba₄Zn₄B₁₄O₃₁â€“Synthesis, Characterization, and Nonlinear Optical Properties. Chemistry of Materials, 2015, 27, 4779-4788.	3.2	75
94	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.	1.3	23
95	Morphotropic Phase Boundary in the Pbâ€Free (1 â^') Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 592 Td (x)BiTi_{3/8} System: Tetragonal Polarization and Enhanced Electromechanical Properties. Advanced Materials, 2015, 27, 2883-2889.	11.1	31
96	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.	1.9	25
97	RbMgCO₃F: A New Beryllium-Free Deep-Ultraviolet Nonlinear Optical Material. Journal of the American Chemical Society, 2015, 137, 10504-10507.	6.6	283
98	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.	0.3	2
99	Proper Ferroelectricity in the Dionâ€“Jacobson Material CsBi2Ti2NbO10: Experiment and Theory. Chemistry of Materials, 2015, 27, 8298-8309.	3.2	36
100	Syntheses of Two Vanadium Oxideâ€“Fluoride Materials That Differ in Phase Matchability. Inorganic Chemistry, 2015, 54, 765-772.	1.9	40
101	Polar Alignment of Î›-Shaped Basic Building Units within Transition Metal Oxide Fluoride Materials. Inorganic Chemistry, 2014, 53, 221-228.	1.9	14
102	Role of Acentric Displacements on the Crystal Structure and Second-Harmonic Generating Properties of RbPbCO₃F and CsPbCO₃F. Inorganic Chemistry, 2014, 53, 6241-6251.	1.9	85
103	Cation Exchange in a 3D Perovskiteâ€”Synthesis of Ni_{0.5}TaO₃. Inorganic Chemistry, 2014, 53, 8020-8024.	1.9	15
104	Microscopic Origins of Optical Second Harmonic Generation in Noncentrosymmetricâ€“Nonpolar Materials. Chemistry of Materials, 2014, 26, 5773-5781.	3.2	74
105	Synthesis and characterization of ASnF3 (A=Na+, K+, Rb+, Cs+). Journal of Solid State Chemistry, 2014, 210, 213-218.	1.4	19
106	Labile Degree of Disorder in Bismuth-Oxophosphate Compounds: Illustration through Three New Structural Types. Inorganic Chemistry, 2014, 53, 861-871.	1.9	15
107	Nonlinear Active Materials: An Illustration of Controllable Phase Matchability. Journal of the American Chemical Society, 2013, 135, 11942-11950.	6.6	89
108	Polar and Magnetic Mn₂FeMO₆ (M=Nb, Ta) with LiNbO₃â€type Structure: Highâ€Pressure Synthesis. Angewandte Chemie - International Edition, 2013, 52, 8406-8410.	7.2	81

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109	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.	1.9	36
110	Polar and Magnetic Layered A-Site and Rock Salt B-Site-Ordered NaLnFeWO₆ (Ln = La, Nd) Perovskites. Inorganic Chemistry, 2013, 52, 12482-12491.	1.9	28
111	Top-Seeded Single-Crystal Growth, Structure, and Physical Properties of Polar LiCrP₂O₇. Crystal Growth and Design, 2013, 13, 5473-5480.	1.4	13
112	Homochiral Helical Metalâ€“Organic Frameworks of Group 1 Metals. Inorganic Chemistry, 2013, 52, 10041-10051.	1.9	33
113	Ba₂YFeO_{5.5}: A Ferromagnetic Pyroelectric Phase Prepared by Topochemical Oxidation.. Chemistry of Materials, 2013, 25, 1800-1808.	3.2	16
114	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.	1.9	23
115	Synthesis, Structure, and Characterization of Two New Polar Sodium Tungsten Selenites: Na₂(WO₃)₃(SeO₃)·2H₂O and Na₆(W₆O₁₉)(SeO₃)₂. Inorganic Chemistry, 2013, 52, 2637-2647.	1.9	44
116	New Fluoride Carbonates: Centrosymmetric KPb₂(CO₃)₂F and Noncentrosymmetric K_{2.70}Pb_{5.15}(CO₃)₅F₃. Inorganic Chemistry, 2013, 52, 2466-2473.	1.9	59
117	Large scale synthesis, second-harmonic generation, and piezoelectric properties of a noncentrosymmetric vanadium phosphate, Li2VPO6. Journal of Solid State Chemistry, 2013, 202, 22-26.	1.4	7
118	Crystal Growth, Structure, Polarization, and Magnetic Properties of Cesium Vanadate, Cs₂V₃O₈: A Structureâ€“Property Study. Inorganic Chemistry, 2013, 52, 6179-6186.	1.9	37
119	Synthesis and Selective Topochemical Fluorination of the Cation and Anion-Vacancy Ordered phases Ba₂YCoO₅ and Ba₃YCo₂O_{7.5}. Inorganic Chemistry, 2013, 52, 13762-13769.	1.9	15
120	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.	1.6	8
121	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.	7.2	15
122	Novel 3D bismuth-based coordination polymers: Synthesis, structure, and second harmonic generation properties. Journal of Solid State Chemistry, 2012, 195, 94-100.	1.4	28
123	Inducing polarity in [VO3]nnâ^' chain compounds using asymmetric hydrogen-bonding networks. Journal of Solid State Chemistry, 2012, 195, 86-93.	1.4	14
124	Polar inorganic materials: Opportunities and challenges. Journal of Solid State Chemistry, 2012, 195, 1.	1.4	7
125	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.	1.4	7
126	Dielectric properties of a polar ZnSnO3 with LiNbO3-type structure. Journal of Solid State Chemistry, 2012, 195, 115-119.	1.4	41

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127	Top-seeded solution crystal growth of noncentrosymmetric and polar K3V5O14. CrystEngComm, 2012, 14, 6839.	1.3	8
128	Role of Hydrogen-Bonding in the Formation of Polar Achiral and Nonpolar Chiral Vanadium Selenite Frameworks. Inorganic Chemistry, 2012, 51, 11040-11048.	1.9	25
129	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.	2.2	9
130	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.	3.7	20
131	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.	1.9	44
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