Xingxing Jiang

List of Publications by Year in descending order

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124 papers	4,721 citations	109321 35 h-index	114465 63 g-index
126 all docs	126 docs citations	126 times ranked	2669 citing authors

#	Article	IF	Citations
1	Sb³⁺ Dopant and Halogen Substitution Triggered Highly Efficient and Tunable Emission in Lead-Free Metal Halide Single Crystals. Chemistry of Materials, 2020, 32, 5327-5334.	6.7	215
2	First-principles materials applications and design of nonlinear optical crystals. Journal Physics D: Applied Physics, 2014, 47, 253001.	2.8	201
3	First-Principles Design and Simulations Promote the Development of Nonlinear Optical Crystals. Accounts of Chemical Research, 2020, 53, 209-217.	15.6	194
4	â€œAll-Three-in-Oneâ€• A New Bismuthâ€“Telluriumâ€“Borate Bi₃TeBO₉ Exhibiting Strong Second Harmonic Generation Response. Journal of the American Chemical Society, 2016, 138, 14190-14193.	13.7	185
5	Heavy Mn²⁺ Doped MgAl₂O₄ Phosphor for Highâ€Efficient Nearâ€Infrared Lightâ€Emitting Diode and the Nightâ€Vision Application. Advanced Optical Materials, 2019, 7, 1901105.	7.3	167
6	Large Second-Harmonic Response and Giant Birefringence of CeF₂(SO₄) Induced by Highly Polarizable Polyhedra. Journal of the American Chemical Society, 2021, 143, 4138-4142.	13.7	147
7	Optically Modulated Ultra-Broad-Band Warm White Emission in Mn²⁺-Doped (C₆H₁₈N₂O₂)PbBr₄ Hybrid Metal Halide Phosphor. Chemistry of Materials, 2019, 31, 5788-5795.	6.7	131
8	ABi₂(IO₃)₂F₅ (A=K, Rb, and Cs): A Combination of Halide and Oxide Anionic Units To Create a Large Secondâ€Harmonic Generation Response with a Wide Bandgap. Angewandte Chemie - International Edition, 2017, 56, 9492-9496.	13.8	129
9	Nearâ€Zero Thermal Expansion and High Ultraviolet Transparency in a Borate Crystal of Zn₄B₆O₁₃. Advanced Materials, 2016, 28, 7936-7940.	21.0	126
10	Giant Optical Anisotropy in the UVâ€Transparent 2D Nonlinear Optical Material Sc(IO₃)₂(NO₃). Angewandte Chemie - International Edition, 2021, 60, 3464-3468.	13.8	124
11	First-Principles Evaluation of the Alkali and/or Alkaline Earth Beryllium Borates in Deep Ultraviolet Nonlinear Optical Applications. ACS Photonics, 2015, 2, 1183-1191.	6.6	117
12	Pushing Nonlinear Optical Oxides into the Mid-Infrared Spectral Region Beyond 10 Î¼m: Design, Synthesis, and Characterization of La₃SnGa₅O₁₄. Journal of the American Chemical Society, 2018, 140, 4684-4690.	13.7	117
13	Lead-Free Hybrid Metal Halides with a Green-Emissive [MnBr₄] Unit as a Selective Turn-On Fluorescent Sensor for Acetone. Inorganic Chemistry, 2019, 58, 13464-13470.	4.0	112
14	UV Solarâ€Blindâ€Region Phaseâ€Matchable Optical Nonlinearity and Anisotropy in a Ï€â€Conjugated Cationâ€Containing Phosphate. Angewandte Chemie - International Edition, 2021, 60, 14806-14810.	13.8	99
15	Flux Crystal Growth and the Electronic Structure of BaFe₁₂O₁₉ Hexaferrite. Journal of Physical Chemistry C, 2016, 120, 5114-5123.	3.1	96
16	Tunable thermal expansion in framework materials through redox intercalation. Nature Communications, 2017, 8, 14441.	12.8	95
17	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
18	Two-Dimensional-Layered Perovskite ALaTa₂O₇:Bi³⁺ (A = K and Na) Phosphors with Versatile Structures and Tunable Photoluminescence. ACS Applied Materials & Interfaces, 2018, 10, 24648-24655.	8.0	91

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19	Giant Second-Harmonic Generation Response and Large Band Gap in the Partially Fluorinated Mid-Infrared Oxide RbTeMo₂O₈F. Journal of the American Chemical Society, 2021, 143, 12455-12459.	13.7	91
20	The role of dipole moment in determining the nonlinear optical behavior of materials: ab initio studies on quaternary molybdenum tellurite crystals. Journal of Materials Chemistry C, 2014, 2, 530-537.	5.5	81
21	Regulating Second-Harmonic Generation by van der Waals Interactions in Two-dimensional Lead Halide Perovskite Nanosheets. Journal of the American Chemical Society, 2019, 141, 9134-9139.	13.7	75
22	A combination of multiple chromophores enhances second-harmonic generation in a nonpolar noncentrosymmetric oxide: CdTeMoO6. Journal of Materials Chemistry C, 2013, 1, 2906.	5.5	67
23	A₂SnS₅: A Structural Incommensurate Modulation Exhibiting Strong Secondâ€Harmonic Generation and a High Laserâ€Induced Damage Threshold (A=Ba, Sr). Angewandte Chemie - International Edition, 2020, 59, 11861-11865.	13.8	67
24	BaBe₂BO₃F₃: A KBBF-Type Deep-Ultraviolet Nonlinear Optical Material with Reinforced [Be₂BO₃F₂]_{âˆž} Layers and Short Phase-Matching Wavelength. Chemistry of Materials, 2016, 28, 8871-8875.	6.7	63
25	Colossal Volume Contraction in Strong Polar Perovskites of Pb(Ti,V)O₃. Journal of the American Chemical Society, 2017, 139, 14865-14868.	13.7	55
26	Zn₃P₂S₈: A Promising Infrared Nonlinear-Optical Material with Excellent Overall Properties. Inorganic Chemistry, 2018, 57, 10503-10506.	4.0	55
27	Isotropic Negative Area Compressibility over Large Pressure Range in Potassium Beryllium Fluoroborate and its Potential Applications in Deep Ultraviolet Region. Advanced Materials, 2015, 27, 4851-4857.	21.0	52
28	Strong SHG Responses in a Berylliumâ€Free Deepâ€UVâ€Transparent Hydroxyborate via Covalent Bond Modification. Angewandte Chemie - International Edition, 2021, 60, 27151-27157.	13.8	50
29	Bandgaps in the deep ultraviolet borate crystals: Prediction and improvement. Applied Physics Letters, 2013, 102, 231904.	3.3	47
30	AGa₃F₆(SeO₃)₂ (A = Rb, Cs): A New Type of Phase-Matchable Hexagonal Tungsten Oxide Material with Strong Second-Harmonic Generation Responses. Chemistry of Materials, 2020, 32, 6906-6915.	6.7	46
31	Giant Optical Anisotropy in the UVâ€Transparent 2D Nonlinear Optical Material Sc(IO₃)₂(NO₃). Angewandte Chemie, 2021, 133, 3506-3510.	2.0	46
32	Borate-Based Ultraviolet and Deep-Ultraviolet Nonlinear Optical Crystals. Crystals, 2017, 7, 95.	2.2	43
33	Tuning the Catalytic Property of Phosphorene for Oxygen Evolution and Reduction Reactions by Changing Oxidation Degree. Journal of Physical Chemistry Letters, 2019, 10, 3440-3446.	4.6	43
34	Interface Effect of Ruâ€MoS₂ Nanoflowers on Lignin Substrate for Enhanced Hydrogen Evolution Activity. Energy and Environmental Materials, 2021, 4, 117-125.	12.8	43
35	Toward a General Understanding of Exciton Self-Trapping in Metal Halide Perovskites. Journal of Physical Chemistry Letters, 2021, 12, 10472-10478.	4.6	38
36	A Lanthanum Ammonium Sulfate Double Salt with a Strong SHG Response and Wide Deepâ€UV Transparency. Angewandte Chemie - International Edition, 2022, 61, .	13.8	38

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37	Deepâ€Ultraviolet Nonlinear Optical Crystal Cs₂Al₂(B₃O₆)₂O: A Benign Member of the Sr₂Be₂(BO₃)₂O Family with [Al₂(B₃O₆)₂O]^{2â^'} Double Layers. Chemistry - A European Journal, 2018, 24, 7856-7860.	3.3	37
38	A Congruentâ€Melting Midâ€Infrared Nonlinear Optical Vanadate Exhibiting Strong Secondâ€Harmonic Generation. Angewandte Chemie - International Edition, 2021, 60, 22447-22453.	13.8	37
39	Area negative thermal expansion in a beryllium borate LiBeBO₃with edge sharing tetrahedra. Chemical Communications, 2014, 50, 13499-13501.	4.1	35
40	Negative thermal expansion and electronic structure variation of chalcopyrite type LiGaTe₂. RSC Advances, 2018, 8, 9946-9955.	3.6	35
41	Coordination units of Mn²⁺ modulation toward tunable emission in zero-dimensional bromides for white light-emitting diodes. Journal of Materials Chemistry C, 2022, 10, 2095-2102.	5.5	35
42	ABi₂(IO₃)₂F₅ (A=K, Rb, and Cs): A Combination of Halide and Oxide Anionic Units To Create a Large Secondâ€Harmonic Generation Response with a Wide Bandgap. Angewandte Chemie, 2017, 129, 9620-9624.	2.0	34
43	Influence of A-site cations on germanium iodates as mid-IR nonlinear optical materials: A₂Ge(IO₃)₆(A = Li, K, Rb and Cs) and BaGe(IO₃)₆·H₂O. Journal of Materials Chemistry C, 2018, 6, 4698-4705.	5.5	30
44	A₂MoO₂F₃(IO₂F₂) (A = Rb,) Tj ETQq0 0 0 rgBT /Overloc Chemistry of Materials, 2021, 33, 5700-5708.	6.7	30
45	Pb₃(SeO₃)Br₄: a new nonlinear optical material with enhanced SHG response designedviaan ion-substitution strategy. Dalton Transactions, 2018, 47, 1911-1917.	3.3	29
46	CsZrF₄(IO₃): The First Polar Zirconium Iodate with cis-[ZrO₂F₆] Polyhedra Inducing Optimized Balance of Large Band Gap and Second Harmonic Generation. Chemistry of Materials, 2021, 33, 5555-5562.	6.7	29
47	Negative linear compressibility in a crystal of Î±-BiB3O6. Scientific Reports, 2015, 5, 13432.	3.3	28
48	Ultrawide Bandgap and Outstanding Secondâ€Harmonic Generation Response by a Fluorineâ€Enrichment Strategy at a Transitionâ€Metal Oxyfluoride Nonlinear Optical Material. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
49	Development of nonlinear optical materials promoted by density functional theory simulations. International Journal of Modern Physics B, 2014, 28, 1430018.	2.0	27
50	High pressure behaviour and elastic properties of a dense inorganicâ€“organic framework. Dalton Transactions, 2016, 45, 4303-4308.	3.3	26
51	Activating the Electrocatalysis of MoS₂ Basal Plane for Hydrogen Evolution via Atomic Defect Configurations. Small, 2022, 18, .	10.0	26
52	Ba(MoO₂F)₂(XO₃)₂ (X = Se and Te): First Cases of Noncentrosymmetric Fluorinated Molybdenum Oxide Selenite/Tellurite Through Unary Substitution for Enlarging Band Gaps and Second Harmonic Generation. ACS Applied Materials & Interfaces, 2020, 12, 49812-49821.	8.0	25
53	The coexistence of ferroelectricity and topological phase transition in monolayer Î±-In₂Se₃ under strain engineering. Journal of Physics Condensed Matter, 2020, 32, 105501.	1.8	24
54	From CeF₂(SO₄)·H₂O to Ce(IO₃)₂(SO₄): Defluorinated Homovalent Substitution for Strong Second-Harmonic-Generation Effect and Sufficient Birefringence. Chemistry of Materials, 2021, 33, 9317-9325.	6.7	23

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55	K₂MnGe₃S₈: a new multifunctional semiconductor featuring [MnGe₃S₈]^{2â¯} layers and demonstrating interesting nonlinear optical response and antiferromagnetic properties. Journal of Materials Chemistry C, 2018, 6, 10042-10049.	5.5	22
56	Zero Linear Compressibility in Nondense Borates with a â€œLuâ€Ban Stoolâ€â€Like Structure. Advanced Materials, 2018, 30, e1801313.	21.0	22
57	Dangling Octahedra Enable Edge States in 2D Lead Halide Perovskites. Advanced Materials, 2022, 34, e2201666.	21.0	22
58	Mechanochemical Synthesis of an Ionic Cocrystal with Large Birefringence Resulting from Neutral Planar Ï€-Conjugated Groups. Crystal Growth and Design, 2020, 20, 7588-7592.	3.0	21
59	Hybrid Metalâ€Halide Infrared Nonlinear Optical Crystals of (TMEDA)MI₅ (M = Sb, Bi) with High Stability. Advanced Optical Materials, 2021, 9, 2101333.	7.3	20
60	Synthesis, crystal growth, and second-order nonlinear optical properties of new configurationally locked polyene derivatives. CrystEngComm, 2015, 17, 1050-1055.	2.6	19
61	Anomalous mechanical materials squeezing three-dimensional volume compressibility into one dimension. Nature Communications, 2020, 11, 5593.	12.8	19
62	UV Solarâ€Blindâ€Region Phaseâ€Matchable Optical Nonlinearity and Anisotropy in a Ï€â€Conjugated Cationâ€Containing Phosphate. Angewandte Chemie, 2021, 133, 14932-14936.	2.0	19
63	Isoxazolone-based single crystals with large second harmonic generation effect. CrystEngComm, 2015, 17, 7316-7322.	2.6	18
64	Molecular design on isoxazolone-based derivatives with large second-order harmonic generation effect and terahertz wave generation. CrystEngComm, 2016, 18, 3667-3673.	2.6	18
65	Additiveâ€Triggered Polar Polymorph Formation: Î²â€Sc(IO₃)₃, a Promising Nextâ€Generation Midâ€Infrared Nonlinear Optical Material. Angewandte Chemie - International Edition, 2022, 61, .	13.8	18
66	A₂SnS₅: A Structural Incommensurate Modulation Exhibiting Strong Secondâ€Harmonic Generation and a High Laserâ€Induced Damage Threshold (A=Ba, Sr). Angewandte Chemie, 2020, 132, 11959-11963.	2.0	17
67	High thermoelectric performance of In-doped Cu2SnSe3 prepared by fast combustion synthesis. New Journal of Chemistry, 2016, 40, 5394-5400.	2.8	16
68	K₂ZnSn₃Se₈: A Nonâ€Centrosymmetric Zinc Selenidostannate(IV) Featuring Interesting Covalently Bonded [ZnSn₃Se₈]^{2â¯} Layer and Exhibiting Intriguing Second Harmonic Generation Activity. Chemistry - an Asian Journal, 2017, 12, 1282-1285.	3.3	16
69	Intrinsic Isotropic Near-Zero Thermal Expansion in Zn₄B₆O₁₂X (X) Tj ETQq1 1 0.784314 rgBT	8.0	16
70	Rb₃In(SO₄)₃: a defluorinated mixed main-group metal sulfate for ultraviolet transparent nonlinear optical materials with a large optical band gap. Journal of Materials Chemistry C, 2021, 9, 5124-5131.	5.5	16
71	Ca₃(TeO₃)₂(MO₄) (M = Mo, W): Mid-Infrared Nonlinear Optical Tellurates with Ultrawide Transparency Ranges and Superhigh Laser-Induced Damage Thresholds. Inorganic Chemistry, 2021, 60, 18512-18520.	4.0	16
72	Effect of C-5 position on the photochemical properties and phototoxicity of antofloxacin and levofloxacin: A stable and transient study. Journal of Photochemistry and Photobiology B: Biology, 2016, 155, 122-129.	3.8	15

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73	Controllable negative thermal expansion, ferroelectric and semiconducting properties in PbTiO₃â€“Bi(Co_{2/3}Nb_{1/3})O₃ solid solutions. Journal of Materials Chemistry C, 2017, 5, 931-936.	5.5	15
74	Large spontaneous polarization in polar perovskites of PbTiO₃â€“Bi(Zn_{1/2}Ti_{1/2})O₃. Inorganic Chemistry Frontiers, 2018, 5, 1277-1281.	6.0	15
75	Synthesis, Crystal Structure, and Optical Properties of the First Alkali Metal Rare-Earth Iodate Fluoride: Li₂Ce(IO₃)₄F₂. Crystal Growth and Design, 2020, 20, 2135-2140.	3.0	15
76	The Double Molybdate Rb₂Ba(MoO₄)₂: Synthesis, Crystal Structure, Optical, Thermal, Vibrational Properties, and Electronic Structure. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2321-2325.	1.2	14
77	Pronounced Negative Thermal Expansion in Lead-Free BiCoO₃-Based Ferroelectrics Triggered by the Stabilized Perovskite Structure. Chemistry of Materials, 2019, 31, 6187-6192.	6.7	14
78	Zero Thermal Expansion and Semiconducting Properties in PbTiO₃â€“Bi(Co,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	4.0	13
79	Broadband emission in all-inorganic metal halide perovskites with intrinsic vacancies. Journal of Materials Chemistry C, 2020, 8, 13976-13981.	5.5	13
80	K₈Ce₂I₁₈O₅₃: a novel potassium cerium(<scp>iv</scp>) iodate with enhanced visible light driven photocatalytic activity resulting from polar zero dimensional [Ce(IO₃)₈]^{4â^’} units. Dalton Transactions, 2017, 46, 4170-4173.	3.3	12
81	Molecular Engineering toward an Enlarged Optical Band Gap in a Bismuth Sulfate via Homovalent Cation Substitution. Inorganic Chemistry, 2021, 60, 5851-5859.	4.0	12
82	Structural Evolution in BaSn₂F₅X (X = Cl, Br, I): A Family of Alkaline Earth Metal Tin Mixed Halides. Inorganic Chemistry, 2017, 56, 13593-13599.	4.0	11
83	Structure and Optical Properties of the Li₂In₂GeSe₆ Crystal. Journal of Physical Chemistry C, 2018, 122, 17413-17422.	3.1	11
84	Negative area compressibility in silver oxalate. Journal of Materials Science, 2021, 56, 269-277.	3.7	11
85	In situhydrothermal synthesis of polar second-order nonlinear optical selenate Na₅(SeO₄)(HSeO₄)₃(H₂O)₂. Inorganic Chemistry Frontiers, 2021, 8, 3141-3148.	6.0	11
86	A Congruentâ€Melting Midâ€Infrared Nonlinear Optical Vanadate Exhibiting Strong Secondâ€Harmonic Generation. Angewandte Chemie, 2021, 133, 22621-22627.	2.0	11
87	From Ce(IO₃)₄ to CeF₂(IO₃)₂: fluorinated homovalent substitution simultaneously enhances SHG response and bandgap for mid-infrared nonlinear optics. Journal of Materials Chemistry C, 0, , .	5.5	11
88	Pb_{0.65}Mn_{2.85}Ga₃S₈ and Pb_{0.72}Mn_{2.84}Ga_{2.95}Se₈: Two Quaternary Metal Chalcognides with Open-Tunnel-Framework Structures Displaying Intense Second Harmonic Generation Responses and Interesting Magnetic Properties. Inorganic Chemistry, 2017, 56, 8454-8461.	4.0	10
89	Growth, Crystal Structures, and Characteristics of Li₅ASrMB₁₂O₂₄ (A = Zn, Mg; M = Al, Ga) with [MB₁₂O₂₄] Frameworks. Inorganic Chemistry, 2019, 58, 1016-1019.	4.0	10
90	Lightâ€Soaking Induced Optical Tuning in Rare Earthâ€Doped Allâ€Inorganic Perovskite. Advanced Functional Materials, 2022, 32, 2107086.	14.9	10

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91	Edgeâ€Assisted Epitaxy of 2D TaSe₂â€MoSe₂ Metalâ€“Semiconductor Heterostructures and Application to Schottky Diodes. Advanced Functional Materials, 2022, 32, .	14.9	10
92	Small Organic Molecular-Based Hybrid Halides with High Photoluminescence Quenching Temperature. Inorganic Chemistry, 2022, 61, 7560-7567.	4.0	10
93	Effect of cobalt doping on the structural, magnetic and abnormal thermal expansion properties of NaZn₁₃-type La(Fe_{1â^'x}Co_x)_{11.4}Al_{1.6} compounds. Physical Chemistry Chemical Physics, 2016, 18, 20276-20280.	2.8	9
94	Structural Design of Two Fluorineâ€“Beryllium Borates BaMBe₂(BO₃)₂F₂ (M = Mg, Ca) Containing Flexible Two-Dimensional [Be₃B₃O₆F₃]_{âˆž} Single Layers without Structural Instability Problems. Inorganic Chemistry, 2017, 56, 11451-11454.	4.0	9
95	M2(SeO3)F2 (M = Zn, Cd): understanding the structure directing effect of [SeO3]2â^' groups on constructing ordered oxyfluorides. CrystEngComm, 2019, 21, 2485-2489.	2.6	9
96	Strong SHG Responses in a Berylliumâ€Free Deepâ€UVâ€Transparent Hydroxyborate via Covalent Bond Modification. Angewandte Chemie, 2021, 133, 27357.	2.0	9
97	A first-principles study of exciton self-trapping and electric polarization in one-dimensional organic lead halide perovskites. Physical Chemistry Chemical Physics, 2022, 24, 17323-17328.	2.8	9
98	Enhanced tetragonality and large negative thermal expansion in a new Pb/Bi-based perovskite ferroelectric of (1 â^') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (x)PbTiO₃â€“xBi(Zn_{1/2}V<su Chemistry Frontiers, 2019, 6, 1990-1995.	6.0	8
99	First chiral fluorinated lead vanadate selenite Pb₂(V₂O₄F)(VO₂)(SeO₃)₃with five asymmetric motifs and large optical properties. Dalton Transactions, 2021, 50, 7238-7245.	3.3	8
100	Realization of Enlarged Birefringence from BaCdBe₂(BO₃)₂F₂ to NaMgBe₂(BO₃)₂F via the Cation Size Effect as a Potential Deep-Ultraviolet Birefringent Material. Inorganic Chemistry, 2022, 61, 7624-7630.	4.0	8
101	K5Mo4O14F: A Novel Fluorinated Polyoxomolybdate and Its Structural Stability. Inorganic Chemistry, 2015, 54, 6066-6068.	4.0	7
102	High mechanical strength in Zn₄B₆O₁₃with an unique sodalite-cage structure. RSC Advances, 2017, 7, 2038-2043.	3.6	7
103	Facile syntheses of silver thioantimonates exhibiting second-harmonic generation responses and large birefringence. Dalton Transactions, 2021, 50, 3568-3576.	3.3	7
104	Tuning the Electrocatalytic Properties of Black and Gray Arsenene by Introducing Heteroatoms. ACS Omega, 2021, 6, 13124-13133.	3.5	7
105	Nuclear Quantum Effects on the Charge-Density Wave Transition in NbX₂ (X = S, Se). Nano Letters, 2022, 22, 1858-1865.	9.1	7
106	Two-Dimensional Negative Thermal Expansion in a Crystal of LiBO₂. Chemistry of Materials, 2022, 34, 4195-4201.	6.7	7
107	Evidence for Site-Specific Reversible Hydrogen Adsorption on Graphene by Sum-Frequency Generation Spectroscopy and Density Functional Theory. Journal of Physical Chemistry C, 2019, 123, 25883-25889.	3.1	6
108	Alkali-earth metal lead(ii) oxyhalide Ba27Pb8O8Cl54 exhibiting interesting [Pb4Ba4O4]8+ species. New Journal of Chemistry, 2020, 44, 1699-1702.	2.8	6

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109	La₂SrB₁₀O₁₉: A Promising Ultraviolet Nonlinear Optical Crystal with an Enhanced Nonlinear Optical Effect and Shortened Cutoff Edge. Crystal Growth and Design, 2020, 20, 5626-5632.	3.0	6
110	Near-zero thermal expansion coordinated with geometric flexibility and Ï€â‹¯Ï€ interaction in anisotropic [Zn₈(SiO₄)(m-BDC)₆]_n. Inorganic Chemistry Frontiers, 2019, 6, 1675-1679.	6.0	5
111	A₃Aâ€²₃Zn₆Te₄O₂₄ (A = Na, Aâ€² = Rare Earth) Garnets: A-Site Ordered Noncentrosymmetric Structure, Photoluminescence, and Na-Ion Conductivity. Inorganic Chemistry, 2021, 60, 18168-18177.	4.0	5
112	Transformation of Thermal Expansion from Large Volume Contraction to Nonlinear Strong Negative Thermal Expansion in PbTiO₃â€“Bi(Co_{1â€“x}Fe_x)O₃ Perovskites. ACS Applied Materials & Interfaces, 2022, 14, 23610-23616.	8.0	5
113	Linear Zero Thermal Expansion in a Deep-Ultraviolet Transparent Crystal of BPO₄ with Cristobalite-like Structure. Crystal Growth and Design, 2019, 19, 3109-3112.	3.0	4
114	Growth, Structure, and Optical Properties of Nonlinear LiGa_{0.55}In_{0.45}Te₂ Single Crystals. Crystal Growth and Design, 2019, 19, 1805-1814.	3.0	4
115	Near-zero thermal expansion in sodalite zinc borate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Zn</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:msub><mml:mi		