Zhi-hua Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1785634/publications.pdf

Version: 2024-02-01

357	18,794	14614	18075
papers	citations	66 h-index	120 g-index

358	358	358	2591
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Finding the Next Deep-Ultraviolet Nonlinear Optical Material: NH₄B₄O₆F. Journal of the American Chemical Society, 2017, 139, 10645-10648.	6.6	889
2	Fluorooxoborates: Berylliumâ€Free Deepâ€Ultraviolet Nonlinear Optical Materials without Layered Growth. Angewandte Chemie - International Edition, 2017, 56, 3916-3919.	7.2	674
3	CsB₄O₆F: A Congruentâ€Melting Deepâ€Ultraviolet Nonlinear Optical Material by Combining Superior Functional Units. Angewandte Chemie - International Edition, 2017, 56, 14119-14123.	7.2	654
4	SrB₅O₇F₃ Functionalized with [B₅O₉F₃]^{6â^'} Chromophores: Accelerating the Rational Design of Deepâ€Ultraviolet Nonlinear Optical Materials. Angewandte Chemie - International Edition, 2018, 57, 6095-6099.	7.2	581
5	Designing a Deep-Ultraviolet Nonlinear Optical Material with a Large Second Harmonic Generation Response. Journal of the American Chemical Society, 2013, 135, 4215-4218.	6.6	542
6	Cationâ€Tuned Synthesis of Fluorooxoborates: Towards Optimal Deepâ€Ultraviolet Nonlinear Optical Materials. Angewandte Chemie - International Edition, 2018, 57, 2150-2154.	7.2	527
7	Polar Fluorooxoborate, NaB₄O₆F: A Promising Material for Ionic Conduction and Nonlinear Optics. Angewandte Chemie - International Edition, 2018, 57, 6577-6581.	7.2	368
8	Designing an Excellent Deep-Ultraviolet Birefringent Material for Light Polarization. Journal of the American Chemical Society, 2018, 140, 16311-16319.	6.6	350
9	Targeting the Next Generation of Deep-Ultraviolet Nonlinear Optical Materials: Expanding from Borates to Borate Fluorides to Fluorooxoborates. Accounts of Chemical Research, 2019, 52, 791-801.	7.6	315
10	Ba3Mg3(BO3)3F3 polymorphs with reversible phase transition and high performances as ultraviolet nonlinear optical materials. Nature Communications, 2018, 9, 3089.	5.8	314
11	Cs₃Zn₆B₉O₂₁: A Chemically Benign Member of the KBBF Family Exhibiting the Largest Second Harmonic Generation Response. Journal of the American Chemical Society, 2014, 136, 1264-1267.	6.6	310
12	A New Deep-Ultraviolet Transparent Orthophosphate LiCs₂PO₄ with Large Second Harmonic Generation Response. Journal of the American Chemical Society, 2016, 138, 9101-9104.	6.6	307
13	Na₂ZnGe₂S₆: A New Infrared Nonlinear Optical Material with Good Balance between Large Second-Harmonic Generation Response and High Laser Damage Threshold. Journal of the American Chemical Society, 2016, 138, 7422-7428.	6.6	259
14	Pb₂Ba₃(BO₃)₃Cl: A Material with Large SHG Enhancement Activated by Pb-Chelated BO₃ Groups. Journal of the American Chemical Society, 2015, 137, 9417-9422.	6.6	255
15	Cs₂B₄SiO₉: A Deepâ€Ultraviolet Nonlinear Optical Crystal. Angewandte Chemie - International Edition, 2013, 52, 3406-3410.	7.2	249
16	New Compressed Chalcopyrite-like Li₂BaM^{IV}Q₄ (M^{IV} =) Tj ETQq0 0 0 rgBT /Overloc Society, 2017, 139, 14885-14888.	6.6	201
17	Expanding Frontiers of Ultraviolet Nonlinear Optical Materials with Fluorophosphates. Chemistry of Materials, 2018, 30, 5397-5403.	3.2	193
18	Chemical Cosubstitution-Oriented Design of Rare-Earth Borates as Potential Ultraviolet Nonlinear Optical Materials. Journal of the American Chemical Society, 2017, 139, 18397-18405.	6.6	187

#	Article	IF	Citations
19	Pb₁₇O₈Cl₁₈: A Promising IR Nonlinear Optical Material with Large Laser Damage Threshold Synthesized in an Open System. Journal of the American Chemical Society, 2015, 137, 8360-8363.	6.6	181
20	A novel deep UV nonlinear optical crystal Ba3B6O11F2, with a new fundamental building block, B6O14 group. Journal of Materials Chemistry, 2012, 22, 9665.	6.7	177
21	Rational Design via Synergistic Combination Leads to an Outstanding Deep-Ultraviolet Birefringent Li₂Na₂B₂O₅ Material with an Unvalued B₂O₅ Functional Gene. Journal of the American Chemical Society, 2019, 141, 3258-3264.	6.6	177
22	Na₂BaMQ₄ (M=Ge, Sn; Q=S, Se): Infrared Nonlinear Optical Materials with Excellent Performances and that Undergo Structural Transformations. Angewandte Chemie - International Edition, 2016, 55, 6713-6715.	7.2	172
23	Sn₂B₅O₉Cl: A Material with Large Birefringence Enhancement Activated Prepared via Alkalineâ€Earthâ€Metal Substitution by Tin. Angewandte Chemie - International Edition, 2019, 58, 17675-17678.	7.2	171
24	CsB₄O₆F: A Congruentâ€Melting Deepâ€Ultraviolet Nonlinear Optical Material by Combining Superior Functional Units. Angewandte Chemie, 2017, 129, 14307-14311.	1.6	166
25	Na₃Ba₂(B₃O₆)₂F: Next Generation of Deep-Ultraviolet Birefringent Materials. Crystal Growth and Design, 2015, 15, 523-529.	1.4	159
26	Na₂Hg₃M₂S₈ (M = Si, Ge, and Sn): New Infrared Nonlinear Optical Materials with Strong Second Harmonic Generation Effects and High Laser-Damage Thresholds. Chemistry of Materials, 2016, 28, 2795-2801.	3.2	156
27	Enhancing optical anisotropy of crystals by optimizing bonding electron distribution in anionic groups. Chemical Communications, 2017, 53, 2818-2821.	2.2	155
28	CaB₅O₇F₃: A Beryllium-Free Alkaline-Earth Fluorooxoborate Exhibiting Excellent Nonlinear Optical Performances. Inorganic Chemistry, 2018, 57, 4820-4823.	1.9	136
29	Cationâ€Tuned Synthesis of Fluorooxoborates: Towards Optimal Deepâ€Ultraviolet Nonlinear Optical Materials. Angewandte Chemie, 2018, 130, 2172-2176.	1.6	131
30	Li₄MgGe₂S₇: The First Alkali and Alkalineâ€Earth Diamondâ€Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap. Angewandte Chemie - International Edition, 2021, 60, 24131-24136.	7.2	130
31	Module-Guided Design Scheme for Deep-Ultraviolet Nonlinear Optical Materials. Journal of the American Chemical Society, 2018, 140, 10726-10733.	6.6	127
32	Simulated pressure-induced blue-shift of phase-matching region and nonlinear optical mechanism for K3B6O10X (Xâ€‰=â€‰Cl, Br). Applied Physics Letters, 2015, 106, .	1.5	121
33	Strong Nonlinearity Induced by Coaxial Alignment of Polar Chain and Dense [BO₃] Units in CaZn₂(BO₃)₂. Angewandte Chemie - International Edition, 2022, 61, .	7.2	116
34	Potential optical functional crystals with large birefringence: Recent advances and future prospects. Coordination Chemistry Reviews, 2022, 459, 214380.	9.5	114
35	Bi₃OF₃(IO₃)₄: Metal Oxyiodate Fluoride Featuring a Carbon-Nanotube-like Topological Structure with Large Second Harmonic Generation Response. Chemistry of Materials, 2017, 29, 945-949.	3.2	112
36	Discovery of First Magnesium Fluorooxoborate with Stable Fluorine Terminated Framework for Deepâ€UV Nonlinear Optical Application. Angewandte Chemie - International Edition, 2021, 60, 14650-14656.	7.2	109

#	Article	IF	Citations
37	A new congruent-melting oxyborate, Pb₄O(BO₃)₂with optimally aligned BO₃triangles adopting layered-type arrangement. Journal of Materials Chemistry, 2012, 22, 2105-2110.	6.7	108
38	SrB₅O₇F₃ Functionalized with [B₅O₉F₃]^{6â^'} Chromophores: Accelerating the Rational Design of Deepâ€Ultraviolet Nonlinear Optical Materials. Angewandte Chemie, 2018, 130, 6203-6207.	1.6	108
39	CsAlB₃O₆F: a beryllium-free deep-ultraviolet nonlinear optical material with enhanced thermal stability. Chemical Science, 2020, 11, 694-698.	3.7	108
40	Î±â€SnF₂: A UV Birefringent Material with Large Birefringence and Easy Crystal Growth. Angewandte Chemie - International Edition, 2021, 60, 3540-3544.	7.2	108
41	Sn₂PO₄I: An Excellent Birefringent Material with Giant Optical Anisotropy in Non Ï€â€Conjugated Phosphate. Angewandte Chemie - International Edition, 2021, 60, 24901-24904.	7.2	101
42	Expanding the chemistry of borates with functional [BO2]â^' anions. Nature Communications, 2021, 12, 2597.	5.8	99
43	The first quaternary diamond-like semiconductor with 10-membered LiS₄rings exhibiting excellent nonlinear optical performances. Chemical Communications, 2017, 53, 3010-3013.	2.2	96
44	Fluorooxoborates: Berylliumâ€Free Deepâ€Ultraviolet Nonlinear Optical Materials without Layered Growth. Angewandte Chemie, 2017, 129, 3974-3977.	1.6	94
45	Second Harmonic Generation Susceptibilities from Symmetry Adapted Wannier Functions. Physical Review Letters, 2020, 125, 187402.	2.9	94
46	Na₂B₆O₉F₂: A Fluoroborate with Short Cutoff Edge and Deep-Ultraviolet Birefringent Property Prepared by an Open High-Temperature Solution Method. Inorganic Chemistry, 2017, 56, 344-350.	1.9	92
47	Hydroxyfluorooxoborate Na[B₃O₃F₂(OH)₂]â‹…[B(OH)₃]: Optimizing the Optical Anisotropy with Heteroanionic Units for Deep Ultraviolet Birefringent Crystals. Angewandte Chemie - International Edition, 2021, 60, 20469-20475.	7.2	90
48	KPb₂(PO₃)₅: a novel nonlinear optical lead polyphosphate with a short deep-UV cutoff edge. Journal of Materials Chemistry C, 2016, 4, 10630-10637.	2.7	88
49	PbB₅O₇F₃: A High-Performing Short-Wavelength Nonlinear Optical Material. Chemistry of Materials, 2020, 32, 2172-2179.	3.2	88
50	Module-Analysis-Assisted Design of Deep Ultraviolet Fluorooxoborates with Extremely Large Gap and High Structural Stability. Chemistry of Materials, 2019, 31, 2807-2813.	3.2	87
51	LiRb₂PO₄: a new deep-ultraviolet nonlinear optical phosphate with a large SHG response. Journal of Materials Chemistry C, 2017, 5, 269-274.	2.7	84
52	Fluorineâ€Driven Enhancement of Birefringence in the Fluorooxosulfate: A Deep Evaluation from a Joint Experimental and Computational Study. Advanced Science, 2021, 8, e2003594.	5.6	83
53	Toward the Enhancement of Critical Performance for Deep-Ultraviolet Frequency-Doubling Crystals Utilizing Covalent Tetrahedra. Accounts of Materials Research, 2021, 2, 282-291.	5.9	82
54	Na₄B₈O₉F₁₀: A Deepâ€Ultraviolet Transparent Nonlinear Optical Fluorooxoborate with Unexpected Short Phaseâ€Matching Wavelength Induced by Optimized Chromatic Dispersion. Angewandte Chemie - International Edition, 2022, 61, .	7.2	80

#	Article	IF	Citations
55	Structure-property survey and computer-assisted screening of mid-infrared nonlinear optical chalcohalides. Coordination Chemistry Reviews, 2020, 421, 213379.	9.5	78
56	Advantageous Units in Antimony Sulfides: Exploration and Design of Infrared Nonlinear Optical Materials. ACS Applied Materials & Interfaces, 2018, 10, 26413-26421.	4.0	77
57	Series of Crystals with Giant Optical Anisotropy: A Targeted Strategic Research. Angewandte Chemie - International Edition, 2021, 60, 1332-1338.	7.2	77
58	Polar Polymorphism: Î±-, Î²-, and Î³-Pb₂Ba₄Zn₄B₁₄O₃₁â€“Synthesis, Characterization, and Nonlinear Optical Properties. Chemistry of Materials, 2015, 27, 4779-4788.	3.2	75
59	æ·±ç´«å–æºŸåŒ–ç¡¼é…ç›åŒæŠ˜å°„çŽ‡å'ŒæŠ˜å°„çŽ‡è‰²æ•£çš„æ€§èƒ½ å¢žç›Šç”©. Science China Materials, 2020, 63, 1480-14	6.5	75
60	Hg₃P₂S₈: A New Promising Infrared Nonlinear Optical Material with a Large Second-Harmonic Generation and a High Laser-Induced Damage Threshold. Chemistry of Materials, 2021, 33, 6514-6521.	3.2	74
61	Linear and Nonlinear Optical Properties of K₃B₆O₁₀Br Single Crystal: Experiment and Calculation. Journal of Physical Chemistry C, 2014, 118, 11849-11856.	1.5	73
62	A Series of Rare-Earth Borates K₇MRE₂B₁₅O₃₀ (M =) Tj ETQq0 0 0 rgBT /Overlock 1 Materials, 2018, 30, 2414-2423.	3.2	73
63	BaCdSnS₄and Ba₃CdSn₂S₈: syntheses, structures, and non-linear optical and photoluminescence properties. Dalton Transactions, 2016, 45, 10681-10688.	1.6	72
64	Functional Materials Design via Structural Regulation Originated from Ions Introduction: A Study Case in Cesium Iodate System. Chemistry of Materials, 2018, 30, 1136-1145.	3.2	72
65	The first lead fluorooxoborate PbB₅O₈F: achieving the coexistence of large birefringence and deep-ultraviolet cut-off edge. Chemical Communications, 2018, 54, 6308-6311.	2.2	70
66	Doubleâ€Modification Oriented Design of a Deepâ€UV Birefringent Crystal Functionalized by [B₁₂O₁₆F₄(OH)₄] Clusters. Angewandte Chemie - International Edition, 2022, 61, .	7.2	70
67	Pb₇O(OH)₃(CO₃)₃(BO₃): First Mixed Borate and Carbonate Nonlinear Optical Material Exhibiting Large Second-Harmonic Generation Response. Inorganic Chemistry, 2015, 54, 4138-4142.	1.9	69
68	Na₂CdGe₂Q₆ (Q = S, Se): two metal-mixed chalcogenides with phase-matching abilities and large second-harmonic generation responses. Dalton Transactions, 2017, 46, 2778-2784.	1.6	69
69	Enhancement of Birefringence in Borophosphate Pushing Phase-Matching into the Short-Wavelength Region. Journal of the American Chemical Society, 2022, 144, 9083-9090.	6.6	69
70	(NH4)3B11PO19F3: a deep-UV nonlinear optical crystal with unique [B5PO10F]âˆž layers. National Science Review, 2022, 9, .	4.6	68
71	First Principle Assisted Prediction of the Birefringence Values of Functional Inorganic Borate Materials. Journal of Physical Chemistry C, 2014, 118, 25651-25657.	1.5	67
72	An investigation of new infrared nonlinear optical material: BaCdSnSe₄, and three new related centrosymmetric compounds: Ba₂SnSe₄, Mg₂GeSe₄, and Ba₂Ge₂S₆. Dalton Transactions, 2015, 44, 19856-19864.	1.6	67

#	Article	IF	Citations
73	BaB₂S₄: An Efficient and Air-Stable Thioborate as Infrared Nonlinear Optical Material with High Laser Damage Threshold. Chemistry of Materials, 2018, 30, 7428-7432.	3.2	67
74	Guanidinium Fluorooxoborates as Efficient Metal-free Short-Wavelength Nonlinear Optical Crystals. Chemistry of Materials, 2022, 34, 440-450.	3.2	67
75	Polar Fluorooxoborate, NaB₄O₆F: A Promising Material for Ionic Conduction and Nonlinear Optics. Angewandte Chemie, 2018, 130, 6687-6691.	1.6	66
76	Prediction of Fluorooxoborates with Colossal Second Harmonic Generation (SHG) Coefficients and Extremely Wide Band Gaps: Towards Modulating Properties by Tuning the BO₃/BO₃F Ratio in Layers. Angewandte Chemie - International Edition, 2019, 58, 11726-11730.	7.2	66
77	A₂SrM^{IV}S₄ (A = Li, Na; M^{IV} = Ge, Sn) concurrently exhibiting wide bandgaps and good nonlinear optical responses as new potential infrared nonlinear optical materials. Chemical Science, 2019, 10, 3963-3968.	3.7	64
78	Three new phosphates with isolated P₂O₇units: noncentrosymmetric Cs₂Ba₃(P₂O₇)₂and centrosymmetric Cs₂BaP₂O₇and LiCsBaP₂O₇. Dalton Transactions, 2016, 45, 3936-3942.	1.6	62
79	Experimental and theoretical studies on the linear and nonlinear optical properties of lead phosphate crystals LiPbPO₄. Physical Chemistry Chemical Physics, 2016, 18, 19123-19129.	1.3	61
80	Two Polar Molybdenum(VI) Iodates(V) with Large Second-Harmonic Generation Responses. Chemistry of Materials, 2019, 31, 2992-3000.	3.2	60
81	Toward the Rational Design of Midâ€Infrared Nonlinear Optical Materials with Targeted Properties via a Multiâ€Level Dataâ€Driven Approach. Advanced Functional Materials, 2022, 32, .	7.8	58
82	Oxyhalides: prospecting ore for optical functional materials with large laser damage thresholds. Journal of Materials Chemistry C, 2018, 6, 2435-2442.	2.7	56
83	Nontoxic KBBF Family Member Zn₂BO₃(OH): Balance between Beneficial Layered Structure and Layer Tendency. Advanced Science, 2019, 6, 1901679.	5.6	56
84	Synthesis, crystal structures and optical properties of two congruent-melting isotypic diphosphates: LiM3P2O7 (M=Na, K). Journal of Solid State Chemistry, 2013, 197, 128-133.	1.4	55
85	Pb3B6O11F2: the first non-centrosymmetric lead borate fluoride with a large second harmonic generation response. Journal of Materials Chemistry C, 2014, 2, 1704.	2.7	55
86	A Nitrate Nonlinear Optical Crystal Pb₁₆(OH)₁₆(NO₃)₁₆ with a Large Second-Harmonic Generation Response. Inorganic Chemistry, 2014, 53, 3320-3325.	1.9	55
87	Contribution of lone-pairs to birefringence affected by the Pb(<scp>ii</scp>) coordination environment: a DFT investigation. Physical Chemistry Chemical Physics, 2015, 17, 21968-21973.	1.3	55
88	Experimental and Theoretical Studies on the Linear and Nonlinear Optical Properties of Bi₂ZnOB₂O₆. Journal of Physical Chemistry C, 2013, 117, 14149-14157.	1.5	54
89	Na₄MgM₂Se₆ (M = Si, Ge): The First Noncentrosymmetric Compounds with Special Ethane-like [M₂Se₆]^{6â€“} Units Exhibiting Large Laser-Damage Thresholds. Inorganic Chemistry, 2015, 54, 10108-10110.	1.9	54
90	Sr₄B₁₀O₁₈(OH)₂Â·2H₂O: a new UV nonlinear optical material with a [B₁₀O₂₃]^{16â^’}building block. Journal of Materials Chemistry C, 2014, 2, 667-674.	2.7	52

#	Article	IF	Citations
91	pâ€“(p,Ï€*) interaction mechanism revealing and accordingly designed new member in deep-ultraviolet NLO borates Li_nM_{nâˆ’1}B_{2nâˆ’1}O_{4nâˆ’2}(M = Cs/Rb, n = 3, 4,) Tj ETQq1 1 0.784314 r	2.2	50
92	Borate Fluoride and Fluoroborate in Alkali-Metal Borate Prepared by an Open High-Temperature Solution Method. Inorganic Chemistry, 2014, 53, 12686-12688.	1.9	50
93	Effect of Element Substitution on Structural Transformation and Optical Performances in I₂BaM^{IV}Q₄ (I = Li, Na, Cu, and Ag; M^{IV} =) Tj ETQq1 1 0.784314 rgBT	2.2	50
94	Achieving Shortâ€Wavelength Phaseâ€Matching Second Harmonic Generation in Boronâ€Rich Borosulfate with Planar [BO₃] Units. Angewandte Chemie - International Edition, 2022, 61, .	7.2	50
95	Designing excellent mid-infrared nonlinear optical materials with fluorooxo-functional group of d0 transition metal oxyfluorides. Science China Materials, 2019, 62, 1798-1806.	3.5	49
96	Sn₂B₅O₉Br as an Outstanding Bifunctional Material with Strong Secondâ€Harmonic Generation Effect and Large Birefringence. Advanced Optical Materials, 2021, 9, 2001734.	3.6	49
97	New Salt-Inclusion Borate, Li₃Ca₉(BO₃)₇Â·2[LiF]: A Promising UV NLO Material with the Coplanar and High Density BO₃ Triangles. Inorganic Chemistry, 2013, 52, 5359-5365.	1.9	48
98	BaCu2MIVQ4(MIV= Si, Ge, and Sn; Q = S, Se): synthesis, crystal structures, optical performances and theoretical calculations. RSC Advances, 2017, 7, 29378-29385.	1.7	48
99	Synthesis and Characterization of Mid-Infrared Transparency Compounds: Acentric BaHgS2and Centric Ba8Hg4S5Se7. Inorganic Chemistry, 2015, 54, 2772-2779.	1.9	47
100	Designing Deepâ€UV Birefringent Crystals by Cation Regulation. Chemistry - A European Journal, 2018, 24, 11267-11272.	1.7	47
101	Ce(IO₃)₂F₂â‹…H₂O: The First Rareâ€Earthâ€Metal Iodate Fluoride with Large Second Harmonic Generation Response. Chemistry - A European Journal, 2019, 25, 1221-1226.	1.7	46
102	A review of the AI2B^{II}C^{IV}DVI4 family as infrared nonlinear optical materials: the effect of each site on the structure and optical properties. Chemical Communications, 2020, 56, 11565-11576.	2.2	46
103	BaB8O12F2: a promising deep-UV birefringent material. Inorganic Chemistry Frontiers, 2019, 6, 546-549.	3.0	45
104	Ba2B10O17: a new centrosymmetric alkaline-earth metal borate with a deep-UV cut-off edge. Dalton Transactions, 2014, 43, 8905-8910.	1.6	44
105	New Alkaline-Earth Metal Fluoroiodates Exhibiting Large Birefringence and Short Ultraviolet Cutoff Edge with Highly Polarizable (IO₃F)^{2â€“} Units. Chemistry of Materials, 2020, 32, 5723-5728.	3.2	44
106	The Combination of Structure Prediction and Experiment for the Exploration of Alkaliâ€Earth Metalâ€Contained Chalcopyriteâ€Like IR Nonlinear Optical Material. Advanced Science, 2022, 9, e2106120.	5.6	44
107	Effect of Rigid Units on the Symmetry of the Framework: Design and Synthesis of Centrosymmetric NaBa4(B5O9)2F2Cl and Noncentrosymmetric NaBa4(AlB4O9)2Br3. Crystal Growth and Design, 2013, 13, 3514-3521.	1.4	43
108	Na₂BaMQ₄ (M=Ge, Sn; Q=S, Se): Infrared Nonlinear Optical Materials with Excellent Performances and that Undergo Structural Transformations. Angewandte Chemie, 2016, 128, 6825-6827.	1.6	42

#	Article	IF	Citations
109	CsBaB9O15: a high performance ultraviolet nonlinear optical material activated by the peculiar double layered configuration. Science Bulletin, 2021, 66, 2165-2169.	4.3	42
110	Li₃AlSiO₅: the first aluminosilicate as a potential deep-ultraviolet nonlinear optical crystal with the quaternary diamond-like structure. Physical Chemistry Chemical Physics, 2016, 18, 4362-4369.	1.3	40
111	A Fluorooxosilicophosphate with an Unprecedented SiO₂F₄ Species. Angewandte Chemie - International Edition, 2018, 57, 9828-9832.	7.2	40
112	ZnIO₃F: Zinc Iodate Fluoride with Large Birefringence and Wide Band Gap. Inorganic Chemistry, 2020, 59, 4172-4175.	1.9	40
113	Q₁₈Mg₆(B₅O₁₀)₃(B₇O₁₄)₂F (Q=Rb and Cs): New Borates Containing Two Large Isolated Polyborate Anions with Similar Topological Structures. Chemistry - A European Journal, 2015, 21, 1414-1419.	1.7	39
114	Synthesis, Characterization, and Theoretical Studies of (Pb₄O)Pb₂B₆O₁₄: A New Lead(II) Borate with Isolated Oxygen-Centered Pb₄O Tetrahedra and Large Second Harmonic Generation Response. Journal of Physical Chemistry C, 2016, 120, 12757-12764.	1.5	39
115	Li₄Na₂CsB₇O₁₄: a new edge-sharing [BO₄]^{5â^'} tetrahedra containing borate with high anisotropic thermal expansion. Chemical Communications, 2019, 55, 1295-1298.	2.2	39
116	K5Ba10(BO3)8F: A New Potassium Barium Borate Fluoride with a Perovskite-Like Structure. Journal of Physical Chemistry C, 2016, 120, 18763-18770.	1.5	38
117	K 3 B 6 O 9 F 3 : A New Fluorooxoborate with Four Different Anionic Units. Chemistry - A European Journal, 2018, 24, 4497-4502.	1.7	38
118	Second-harmonic generation in noncentrosymmetric phosphates. Physical Review B, 2017, 96, .	1.1	37
119	BaClBF4: a new noncentrosymmetric pseudo-Aurivillius type material with transparency range from deep UV to middle IR and a high laser damage threshold. Journal of Materials Chemistry C, 2013, 1, 4740.	2.7	36
120	The lone-pairs enhanced birefringence and SHG response: A DFT investigation on M2B5O9Cl (M=Sr, Ba,) Tj ETQq0 0 0 rgBT /Overlock 10	0.9	36
121	K₂Na(IO₃)₂(I₃O₈) with Strong Second Harmonic Generation Response Activated by Two Types of Isolated Iodate Anions. Chemistry of Materials, 2020, 32, 3608-3614.	3.2	36
122	Anomalous second-harmonic generation response in SrBPO₅and BaBPO₅. Journal of Materials Chemistry C, 2015, 3, 1557-1566.	2.7	34
123	Promising Deepâ€Ultraviolet Birefringent Materials via Rational Design and Assembly of Planar Ï€â€conjugated [B(OH)₃] and [B₃O₃(OH)₃] Functional Species. Angewandte Chemie - International Edition, 2022, 61, .	7.2	34
124	Pb2B5O9Cl: a chloride borate with second harmonic generation effect. Journal of Materials Science, 2013, 48, 2590-2596.	1.7	33
125	Synthesis and Structure of KPbBP₂O₈ â€“ A Congruent Melting Borophosphate with Nonlinear Optical Properties. European Journal of Inorganic Chemistry, 2013, 2013, 3185-3190.	1.0	33
126	A3Sr2P7O21 (A = Rb, Cs): Two Polyphosphates Based on Different Types of Pâ€“O Chains and Ring Structures. Inorganic Chemistry, 2017, 56, 3939-3945.	1.9	33

#	Article	IF	Citations
127	ABaSbQ₃ (A = Li, Na; Q = S, Se): diverse arrangement modes of isolated SbQ₃ ligands regulating the magnitudes of birefringences. Chemical Communications, 2019, 55, 5143-5146.	2.2	33
128	Li₂ZnGeS₄: a promising diamond-like infrared nonlinear optical material with high laser damage threshold and outstanding second-harmonic generation response. Dalton Transactions, 2019, 48, 4484-4488.	1.6	33
129	Experimental characterization and first principles calculations of linear and nonlinear optical properties of two orthophosphates A₃Al₂(PO₄)₃(A =) Tj ETQq1 1 0.784314 rgBT /O	1.1	32
130	New Molybdenum(VI) Phosphates: Synthesis, Characterization, and Calculations of Centrosymmetric RbMoO2PO4 and Noncentrosymmetric Rb4Mo5P2O22. Inorganic Chemistry, 2013, 52, 1488-1495.	1.9	31
131	Ba2GeS4and Mg2SnS4: synthesis, structures, optical properties and electronic structures. RSC Advances, 2015, 5, 33646-33652.	1.7	31
132	The mechanism of large second harmonic generation enhancement activated by Zn²⁺substitution. Physical Chemistry Chemical Physics, 2016, 18, 32931-32936.	1.3	31
133	Computer-Assisted Design of a Superior Be₂BO₃F Deep-Ultraviolet Nonlinear-Optical Material. Inorganic Chemistry, 2018, 57, 5716-5719.	1.9	31
134	BaB₂O₃F₂: A Barium Fluorooxoborate with a Unique [B₂O₃F]^{â˜’} Layer and Short Cutoff Edge. Chemistry - A European Journal, 2019, 25, 6693-6697.	1.7	31
135	Alignment of Polar Moieties Leading to Strong Second Harmonic Response in KCsMoP₂O₉. Chemistry of Materials, 2020, 32, 3297-3303.	3.2	31
136	Effect of Halogen (Cl, Br) on the Symmetry of Flexible Perovskite-Related Framework. Inorganic Chemistry, 2014, 53, 11213-11220.	1.9	30
137	From LiB₃O₅ to NaRbB₆O₉F₂: Fluorineâ€Directed Evolution of Structural Chemistry. Chemistry - A European Journal, 2018, 24, 10022-10027.	1.7	30
138	Prediction and Characterization of NaGaS₂, A High Thermal Conductivity Mid-Infrared Nonlinear Optical Material for High-Power Laser Frequency Conversion. Inorganic Chemistry, 2019, 58, 93-98.	1.9	30
139	Na₁₁B₂₁O₃₆X₂ (X=Cl, Br): Halogen Sodium Borates with a New Grapheneâ€Like Borate Double Layer. Chemistry - A European Journal, 2013, 19, 7338-7341.	1.7	29
140	Ba_{n+2}Zn_n(BO₃)_n(B₂O₅)F_n(n) Tj ETQq0 0 0 Inorganic Chemistry Frontiers, 2017, 4, 281-288.	3.0	29
141	Three Mixed-Alkaline Borates: Na₂M₂B₂₀O₃₂ (M = Rb,) Tj ETQq1 1 0.784314 rgBT Li₄Cs₄B₄₀O₆₄ with Fundamental Building Block B₄₀O₇₇. Inorganic Chemistry, 2017, 56, 13456-13463.	1.9	29
142	BaBOF₃: a new aurivillius-like borate containing two types of F atoms. Dalton Transactions, 2018, 47, 5157-5160.	1.6	29
143	Sn₂B₅O₉Cl: A Material with Large Birefringence Enhancement Activated Prepared via Alkalineâ€Earthâ€Metal Substitution by Tin. Angewandte Chemie, 2019, 131, 17839-17842.	1.6	29
144	Î²â€CsB 9 O 14 : A Tripleâ€Layered Borate with Edgeâ€Sharing BO 4 Tetrahedra Exhibiting a Short Cutoff Edge and a Large Birefringence. Chemistry - A European Journal, 2019, 25, 11614-11619.	1.7	29

#	Article	IF	Citations
145	M₂Cd₃B₁₆O₂₈ (M = Rb, Cs): Two Isostructural Alkali Cadmium Borates with a New Type of Borate Layer. European Journal of Inorganic Chemistry, 2013, 2013, 203-207.	1.0	28
146	Nonlinear electronic polarization and optical response in borophosphate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BPO</mml:mi><mml:mn>4</mml:mn></mml:msub></mm Physical Review B, 2016, 93, .	1.1	28
147	MBaYB6O12(M = Rb, Cs): two new rare-earth borates with large birefringence and short ultraviolet cutoff edges. Dalton Transactions, 2018, 47, 750-757.	1.6	28
148	Prediction of Novel van der Waals Boron Oxides with Superior Deepâ€Ultraviolet Nonlinear Optical Performance. Angewandte Chemie - International Edition, 2021, 60, 10791-10797.	7.2	28
149	[C₃N₆H₇]₂[B₃O₃F₄(OH)]: a new hybrid birefringent crystal with strong optical anisotropy induced by mixed functional units. Journal of Materials Chemistry C, 2022, 10, 6590-6595.	2.7	28
150	Noncentrosymmetric Rare-Earth Borate Fluoride La₂B₅O₉F₃: A New Ultraviolet Nonlinear Optical Crystal with Enhanced Linear and Nonlinear Performance. ACS Applied Materials & Interfaces, 2022, 14, 18704-18712.	4.0	28
151	Pb4Zn2B10O21: a congruently melting lead zinc borate with a novel [B10O24] anionic group and an interesting [Pb4O12]â^žchain. New Journal of Chemistry, 2014, 38, 285-291.	1.4	27
152	Na₈MB₂₁O₃₆ (M = Rb and Cs): Noncentrosymmetric Borates with Unprecedented [B₂₁O₃₆]^{9â€“} Fundamental Building Blocks. Inorganic Chemistry, 2017, 56, 5506-5509.	1.9	27
153	RbB₃O₄F₂: a rubidium fluorooxoborate with an unprecedented [B₃O₅F₂]^{3â^’} functionalized unit and a large birefringence. Chemical Communications, 2020, 56, 15333-15336.	2.2	27
154	Computationally assisted multistage design and prediction driving the discovery of deep-ultraviolet nonlinear optical materials. Materials Chemistry Frontiers, 2021, 5, 3507-3523.	3.2	27
155	Synthesis, structure characterization and optical properties of a new lead cadmium borate. Inorganica Chimica Acta, 2012, 384, 158-162.	1.2	26
156	Synthesis, characterization and theoretical studies of nonlinear optical crystal Sr₂B₅O₉(OH)Â·H₂O. Physical Chemistry Chemical Physics, 2015, 17, 10489-10496.	1.3	26
157	Na₆Zn₃MIII2Q₉ (M^{III} = Ga, In; Q = S, Se): four new supertetrahedron-layered chalcogenides with unprecedented vertex-sharing T₃-clusters and desirable photoluminescence performances. Inorganic Chemistry Frontiers, 2018, 5, 1415-1422.	3.0	26
158	M^IM^{II}P₃O₉ (M^I = Rb, M^{II} = Cd,) Tj ETQq0 0 0 rgBT /Overlo Substitution Application in Cyclophosphate Family and Nonlinear Optical Properties. Inorganic Chemistry, 2018, 57, 7372-7379.	1.9	26
159	Intriguing Structural Transition Inducing Variable Birefringences in ABa2MS4Cl (A = Rb, Cs; M = Ge,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.9	26
160	Sr3B6O11F2: a promising polar fluoroborate with short UV absorption edge and moderate second harmonic generation response. Scripta Materialia, 2013, 69, 449-452.	2.6	25
161	LiBa₄Ga₅Q₁₂ (Q = S, Se): Noncentrosymmetric Metal Chalcogenides with a Cesium Chloride Topological Structure Displaying a Remarkable Laser Damage Threshold. Inorganic Chemistry, 2020, 59, 5674-5682.	1.9	25
162	Rb5Ba2(B10O17)2(BO2): The formation of unusual functional [BO2]â^’ in borates with deep-ultraviolet transmission window. Science China Chemistry, 2022, 65, 719-725.	4.2	25

#	Article	IF	Citations
163	Predicting Global Minimum in Complex Beryllium Borate System for Deep-ultraviolet Functional Optical Applications. Scientific Reports, 2016, 6, 34839.	1.6	24
164	Structural Insights into Borates with an Anionâ€Templated Openâ€Framework Configuration: Asymmetric K₂BaB₁₆O₂₆ versus Centrosymmetric K₃CsB₂₀O₃₂ and Na₂M₂NB₁₈O₃₀ (M=Rb, Cs; N=Ba, Pb). Chemistry - A European Journal, 2017, 23, 13910-13918.	1.7	24
165	Synthesis, characterization, and theoretical analysis of three new nonlinear optical materials K7MRE2B15O30 (M= Ca and Ba, RE= La and Bi). Science China Materials, 2019, 62, 1151-1161.	3.5	24
166	Li5Rb2B7O14: a new congruently melting compound with two kinds of Bâ€“O one-dimensional chains and short UV absorption edge. CrystEngComm, 2012, 14, 6720.	1.3	23
167	The interaction between cations and anionic groups inducing SHG enhancement in a series of apatite-like crystals: A first-principles study. Journal of Solid State Chemistry, 2014, 219, 138-142.	1.4	23
168	Effect of the cation size on the framework structures of magnesium tungstate, A₄Mg(WO₄)₃(A = Na, K), R₂Mg₂(WO₄)₃(R = Rb, Cs). Dalton Transactions, 2015, 44, 5810-5817.	1.6	23
169	A Member of Fluorooxoborates: Li₂Na_{0.9}K_{0.1}B₅O₈F₂ with the Fundamental Building Block B₅O₁₀F₂ and a Short Cutoff Edge. Inorganic Chemistry, 2018, 57, 873-878.	1.9	23
170	Transformation of the Bâ€“O Units from Corner-Sharing to Edge-Sharing Linkages in BaMBO₄ (M = Ga, Al). Inorganic Chemistry, 2019, 58, 8237-8244.	1.9	23
171	A new barium fluorooxoborate BaB₅O₈FÂ·xH₂O with large birefringence and a wide UV transparency window. Dalton Transactions, 2019, 48, 6714-6717.	1.6	23
172	La₃B₆O₁₃(OH): The First Acentric Highâ€Pressure Borate Displaying Edgeâ€Sharing BO₄ Tetrahedra. Chemistry - A European Journal, 2020, 26, 6851-6861.	1.7	23
173	Synthesis, crystal structure and characterization of a new compound, Li3NaBaB6O12. Solid State Sciences, 2012, 14, 1186-1190.	1.5	22
174	Noncentrosymmetric Cubic CsCdBO₃ with Bichromophore. European Journal of Inorganic Chemistry, 2013, 2013, 5528-5533.	1.0	22
175	Synthesis, structures, optical properties and electronic structures of two mixed metal borates MBaB5O9 (M=Na, K). Journal of Alloys and Compounds, 2014, 585, 602-607.	2.8	22
176	K7B2P5O19: a novel alkali metal borophosphate with zero dimensional [B2P5O19]7â^' anionic units. CrystEngComm, 2014, 16, 6848-6851.	1.3	22
177	Exploring the influence of cationic skeletons on the arrangement of isolated BO₃groups based on RbMgBO₃, CsZn₄(BO₃)₃and Cs₄Mg₄(BO₃)₄. New Journal of Chemistry, 2014, 38, 3035-3041.	1.4	22
178	Pb6Ba2(BO3)5X (X = Cl, Br): new borate halides with strong predicted optical anisotropies derived from Pb2+and (BO3)3â^'. Dalton Transactions, 2015, 44, 7041-7047.	1.6	22
179	Theoretical perspective of the lone pair activity influence on band gap and SHG response of lead borates. RSC Advances, 2015, 5, 79882-79887.	1.7	22
180	Design and Syntheses of Three Novel Carbonate Halides: Cs₃Pb₂(CO₃)₃I, KBa₂(CO₃)₂F, and RbBa₂(CO₃)₂F. Chemistry - A European Journal, 2016, 22, 2944-2954.	1.7	22

#	Article	IF	Citations
181	NaBa₄(GaB₄O₉)₂X₃ (X = Cl, Br) with NLO-Active GaO₄ Tetrahedral Unit: Experimental and ab Initio Studies. Journal of Physical Chemistry C, 2016, 120, 6190-6197.	1.5	22
182	Finding a Series of BaBOF₃ Fluorooxoborate Polymorphs with Tunable Symmetries: A Simple but Flexible Case. Chemistry of Materials, 2021, 33, 7905-7913.	3.2	22
183	Li2Sr4B12O23: A new alkali and alkaline-earth metal mixed borate with [B10O18]6â^' network and isolated [B2O5]4â^' unit. Journal of Solid State Chemistry, 2012, 190, 92-97.	1.4	21
184	Effect of the [Ba2BO3F]â^ž Layer on the Band Gap: Synthesis, Characterization, and Theoretical Studies of BaZn2B2O6Â·nBa2BO3F (n = 0, 1, 2). Inorganic Chemistry, 2016, 55, 4806-4812.	1.9	21
185	Remarkable multimember-ring configurations in a new family of Na7MIISb5S12 (MII = Zn, Cd, Hg) exhibiting various three-dimensional tunnel structures. Chemical Communications, 2018, 54, 8269-8272.	2.2	21
186	Mo⁶⁺ Cation Enrichment of the Structure Chemistry of Iodates: Syntheses, Structures, and Calculations of Ba(MoO₂)₂(IO₃)₄O, Ba₃[(MoO₂)₂(IO₃)₄O(OH)₄]Â·2H₂O, and Sr[(MoO₂)₆(IO₄)₂O₄]Â·H₂O. Inorganic Chemistry, 2018, 57, 9376-9384.	1.9	21
187	Ba4M(CO3)2(BO3)2 (M=Ba, Sr): two borate-carbonates synthesized by open high temperature solution method. Science China Materials, 2019, 62, 1023-1032.	3.5	21
188	Noncentrosymmetric Fluorooxoborates A₁₀B₁₃O₁₅F₁₉ (A = K and Rb) with Unexpected [B₁₀O₁₂F₁₃]^{7â€“} Units and Deep-Ultraviolet Cutoff Edges. Inorganic Chemistry, 2020, 59, 3274-3280.	1.9	21
189	DFT Based Theoretical Study about the Contributions of Fluorine to Nonlinear Optical Properties in Borate Fluoride Crystals. Crystal Growth and Design, 2016, 16, 5067-5073.	1.4	20
190	K3B3O4(OH)4Â·2H2O: A UV Nonlinear Optical Crystal with Isolated [B3O4(OH)4]3â€“ Anion Groups. Inorganic Chemistry, 2016, 55, 8744-8749.	1.9	20
191	The activity of lone pair contributing to SHG response in bismuth borates: a combination investigation from experiment and DFT calculation. Physical Chemistry Chemical Physics, 2017, 19, 25270-25276.	1.3	20
192	K₂TeP₂O₈: a new telluro-phosphate with a pentagonal Teâ€“Pâ€“O layer structure. Dalton Transactions, 2018, 47, 9453-9458.	1.6	20
193	NH4B11O16(OH)2: a new ammonium borate with wavy-shaped polycyclic 2â^ž[B11O16(OH)2] layers. New Journal of Chemistry, 2018, 42, 12091-12097.	1.4	20
194	The first lithium difluorophosphate LiPO₂F₂with a neutral polytetrahedral microporous architecture. Chemical Communications, 2019, 55, 1817-1820.	2.2	20
195	Linear optical and thermo-physical properties of polar K3B6O10Cl crystal. Journal of Materiomics, 2015, 1, 221-228.	2.8	19
196	Cs₆RE₂(PO₄)₄(RE = Y and Gd): two new members of the alkali rare-earth double phosphates. New Journal of Chemistry, 2015, 39, 4328-4333.	1.4	19
197	ACaBO₃(A = Cs, Rb): two new cubic borates with isolated BO₃groups. Dalton Transactions, 2017, 46, 4968-4974.	1.6	19
198	Combination of d 10 -cations and fluorine anion as active participants to design novel borate/carbonate nonlinear optical materials. Journal of Alloys and Compounds, 2018, 758, 85-90.	2.8	19

#	Article	IF	Citations
199	Polar polymorphism: Î±- and Î²-KCsWP₂O₉nonlinear optical materials with a strong second harmonic generation response. Journal of Materials Chemistry C, 2020, 8, 11441-11448.	2.7	19
200	Sn₁₄O₁₁Br₆: a promising birefringent material with a [Sn₁₄O₁₁Br₆] layer. Journal of Materials Chemistry C, 2021, 9, 7103-7109.	2.7	19
201	Lone Pair-Driven Enhancement of Birefringence in Polar Alkali Metal Antimony Phosphates. Chemistry of Materials, 2022, 34, 4224-4231.	3.2	19
202	Structure, growth and properties of a novel polar material, KSr4B3O9. Journal of Solid State Chemistry, 2012, 195, 73-78.	1.4	18
203	K₁₁RbB₂₈O₄₈: a new triple-layered borate with an unprecedented [B₂₈O₅₇] fundamental building block. Dalton Transactions, 2018, 47, 10833-10836.	1.6	18
204	Ba(B2OF3(OH)2)2 with well-ordered OH/F anions and a unique B2OF3(OH)2 dimer. Chemical Communications, 2020, 56, 3301-3304.	2.2	18
205	(N₂H₆)[HPO₃F]₂: maximizing the optical anisotropy of deep-ultraviolet fluorophosphates. Chemical Communications, 2022, 58, 5594-5597.	2.2	18
206	The influence of hydrogen bonding on the nonlinear optical properties of a semiorganic material NH₄B[<scp>d</scp>-(+)-C₄H₄O₅]₂Â·H₂O: a theoretical perspective. Physical Chemistry Chemical Physics, 2014, 16, 20089.	1.8	17
207	Three Alkali Metal Lead Orthophosphates â€“ Syntheses, Crystal Structures and Properties of APbPO₄ (A = K, Rb, Cs). European Journal of Inorganic Chemistry, 2015, 2015, 1490-1495.	1.0	17
208	Two New Crystals in LimCsnBm+nO2(m+n)(m+n= 5, 7;m>n) Series: Noncentrosymmetric Li5Cs2B7O14and Centrosymmetric Li4CsB5O10. Inorganic Chemistry, 2015, 54, 7381-7387.	1.9	17
209	Versatile Coordination Mode of LiNaB₈O₁₃ and Î±- and Î²-LiKB₈O₁₃ via the Flexible Assembly of Four-Connected B₅O₁₀ and B₃O₇ Groups. Inorganic Chemistry, 2016, 55, 552-554.	1.9	17
210	Theoretical investigation on the balance between large band gap and strong SHG response in BMO₄(M = P and As) crystals. RSC Advances, 2017, 7, 2804-2809.	1.7	17
211	Li₆Zn₃(BO₃)₄: a new zincoborate featuring vertex-, edge- and face-sharing LiO₄tetrahedra and exhibiting reversible phase transitions. Inorganic Chemistry Frontiers, 2017, 4, 1100-1107.	3.0	17
212	Structure comparison and optical properties of Na₇Mg_{4.5}(P₂O₇)₄: a sodium magnesium phosphate with isolated P₂O₇units. New Journal of Chemistry, 2017, 41, 3399-3404.	1.4	17
213	Experiment and First-Principles Calculations of A₂Mg₂TeB₂O₁₀ (A = Pb, Ba): Influences of the Cosubstitution on the Structure Transformation and Optical Properties. Inorganic Chemistry, 2019, 58, 11127-11132.	1.9	17
214	Three new phosphates, Cs8Pb4(P2O7)4, CsLi7(P2O7)2 and LiCa(PO3)3: structural comparison, characterization and theoretical calculation. Dalton Transactions, 2019, 48, 8948-8954.	1.6	17
215	Sn₂B₇O₁₂F with a 2â^ž[B₁₄O₂₄]^{6â^'} layer constructed from the unprecedented [B₇O₁₆]^{11â^'} fundamental building block. Inorganic Chemistry Frontiers, 2019, 6, 996-1002.	3.0	17
216	LiGeBO₄: a nonlinear optical material with a balance between deep-ultraviolet cut-off edge and large SHG response induced by hand-in-hand tetrahedra. Inorganic Chemistry Frontiers, 2019, 6, 914-919.	3.0	17

#	Article	IF	Citations
217	Three non-centrosymmetric bismuth phosphates, Li₂ABi(PO₄)₂(A =) Tj ETQq1 1 0.784314 rgB Frontiers, 2020, 7, 3364-3370.	3.0	17
218	Cs₃B₃O₃F₆ with a Deep-Ultraviolet Cutoff Edge and a Suitable Birefringence as the Potential Zero-Order Waveplate Material. Inorganic Chemistry, 2020, 59, 13014-13018.	1.9	17
219	Ba₂B₇O₁₂F with novel FBB [B₇O₁₆F] and deep-ultraviolet cut-off edge. Inorganic Chemistry Frontiers, 2021, 8, 339-343.	3.0	17
220	Exploration of a new compound in the Mâ€“Bâ€“Oâ€“X (M: alkali metals; X: halogen) system: Preparation, crystal and electronic structures, and optical properties of Na3B6O10Br. Inorganica Chimica Acta, 2013, 406, 205-210.	1.2	16
221	Synthesis, crystal structure, and optical properties of a new lead barium borate, PbBa 2 (B 3 O 6) 2. Journal of Alloys and Compounds, 2014, 615, 561-565.	2.8	16
222	A new polymorph of Cd₃B₂O₆: synthesis, crystal structure and phase transformation. RSC Advances, 2014, 4, 13195-13200.	1.7	16
223	Effect of cation substitution on structural transition: synthesis, characterization and theoretical studies of NaCa₄B₃O₉, NaCaBO₃, NaSrBO₃and Li₄CaB₂O₆. Physical Chemistry Chemical Physics, 2015, 17, 26359-26368.	1.3	16
224	â€œXA6â€•octahedra influencing the arrangement of anionic groups and optical properties in inverse-perovskite [B6O10]XA3(X = Cl, Br; A = alkali metal). Physical Chemistry Chemical Physics, 2016, 18, 15394-15398.	1.3	16
225	Hierarchized band gap and enhanced optical responses of trivalent rare-earth metal nitrates due to (dâ€“p)Ï€ conjugation interactions. Journal of Materials Chemistry C, 2016, 4, 6295-6301.	2.7	16
226	LiNa₄B₁₅O₂₅: Featuring Unprecedented B₁₅O₃₀ Fundamental Building Block and Deep-UV Cutoff Edge. Inorganic Chemistry, 2018, 57, 2876-2882.	1.9	16
227	Ba₃Ca₄(BO₃)₃(SiO₄)Cl: a new non-centrosymmetric complex alkaline-earth metal borosilicate chloride with a deep-ultraviolet cut-off edge. Inorganic Chemistry Frontiers, 2019, 6, 2200-2208.	3.0	16
228	Prediction of Fluorooxoborates with Colossal Second Harmonic Generation (SHG) Coefficients and Extremely Wide Band Gaps: Towards Modulating Properties by Tuning the BO₃/BO₃F Ratio in Layers. Angewandte Chemie, 2019, 131, 11852-11856.	1.6	16
229	Cation Modulation on the Crystal Structure and Band Gap of Fluorooxoborates A₃B₃O₃F₆ (A = Alkali and Mixed Alkali Metal). Inorganic Chemistry, 2019, 58, 13411-13417.	1.9	16
230	Lone pair effects on ternary infrared nonlinear optical materials. Physical Chemistry Chemical Physics, 2019, 21, 5142-5147.	1.3	16
231	Ba₄(BS₃S)₂S₄: a new thioborate with unprecedented [BS₃-S] and [S₄] fundamental building blocks. Chemical Communications, 2019, 55, 14793-14796.	2.2	16
232	Barium fluoroiodate crystals with a large band gap and birefringence. Inorganic Chemistry Frontiers, 2021, 8, 3127-3133.	3.0	16
233	Na₆MQ₄ (M=Zn, Cd; Q=S, Se): Promising New Ternary Infrared Nonlinear Optical Materials. Chemistry - A European Journal, 2021, 27, 6538-6544.	1.7	16
234	Cs₄B₄O₃F₁₀: First Fluorooxoborate with [BF₄] Involving Heteroanionic Units and Extremely Low Melting Point. Chemistry - A European Journal, 2021, 27, 9753-9757.	1.7	16

#	Article	IF	Citations
235	â€œRemoving Centerâ€”€An Effective Structure Design Strategy for Nonlinear Optical Crystals. Chemistry of Materials, 2022, 34, 2429-2438.	3.2	16
236	An antimony(<scp>iii</scp>) borate with large birefringence exhibiting unwonted [B₅O₁₁] fundamental building blocks and dimeric [Sb₂O₆] clusters. Inorganic Chemistry Frontiers, 2021, 8, 2584-2590.	3.0	15
237	BaB₄O₅F₄ with reversible phase transition featuring unprecedented fundamental building blocks of [B₁₆O₂₁F₁₆] in the Î±-phase and [B₄O₆F₄] in the Î²-phase. Chemical Communications, 2021, 57, 4182-4185.	2.2	15
238	Design and Synthesis of a Series of Novel Mixed Borate and Carbonate Halides. Chemistry - A European Journal, 2017, 23, 10451-10459.	1.7	14
239	Two Lanthanide Borate Chlorides LnB₄O₆(OH)₂Cl (Ln = La, Ce) with Wide Ultraviolet Transmission Windows and Large Second-Harmonic Generation Responses. Inorganic Chemistry, 2018, 57, 14953-14960.	1.9	14
240	The First Examples of Lithiumâ€Containing Mixedâ€Alkali Strontium Borates with Different Dimensional Anionic Architectures and Short Cutoff Edges. Chemistry - A European Journal, 2018, 24, 15355-15364.	1.7	14
241	Ba₃B₁₀O₁₇F₂Â·0.1KF: the first mixed alkali/alkaline-earth metal fluorooxoborate with unprecedented double-layered Bâ€“O/F anionic arrangement. Chemical Communications, 2019, 55, 8923-8926.	2.2	14
242	From centrosymmetric to noncentrosymmetric: cation-directed structural evolution in X₃ZnB₅O₁₀ (X = Na, K, Rb) and Cs₁₂Zn₄(B₅O₁₀)₄ crystals. Inorganic Chemistry Frontiers, 2019, 6, 1461-1467.	3.0	14
243	Designing Three Fluorooxoborates with a Wide Transmittance Window by Anionic Group Substitution. Inorganic Chemistry, 2019, 58, 3596-3600.	1.9	14
244	Effect of anion dimensionality on optical properties: the _{âˆž}[B₇O₁₀(OH)₂] layer in CsB₇O₁₀(OH)₂ vs. the _{âˆž}[B₇O₁₂] framework in CsBaB₇O₁₂. Dalton Transactions, 2020, 49, 1292-1299.	1.6	14
245	Two new ammonium/alkali-rare earth metal difluorophosphates ALa(PO₂F₂)₄(A = NH₄and K) with moderate birefringence and short cutoff edges. Dalton Transactions, 2020, 49, 11591-11596.	1.6	14
246	Enhanced optical anisotropyviadimensional control in alkali-metal chalcogenides. Physical Chemistry Chemical Physics, 2020, 22, 19697-19703.	1.3	14
247	Hydroxyfluorooxoborate Na[B 3 O 3 F 2 (OH) 2]â‹…[B(OH) 3]: Optimizing the Optical Anisotropy with Heteroanionic Units for Deep Ultraviolet Birefringent Crystals. Angewandte Chemie, 2021, 133, 20632-20638.	1.6	14
248	Li₄MgGe₂S₇: The First Alkali and Alkalineâ€Earth Diamondâ€Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap. Angewandte Chemie, 2021, 133, 24333-24338.	1.6	14
249	Sn2PO4I: An Excellent Birefringent Material with Giant Optical Anisotropy in Non Ï€â€Conjugated Phosphate. Angewandte Chemie, 2021, 133, 25105.	1.6	14
250	Crystal growth and calculation of the electronic band structure and density of states of Li3Cs2B5O10. CrystEngComm, 2014, 16, 1978.	1.3	13
251	The Effect of the Ratio of [M/(B+P)] on the Configuration of Anionic Groups: Synthesis of the Borateâ€“Phosphate LiPb₄(BO₃)(PO₄)₂. European Journal of Inorganic Chemistry, 2014, 2014, 3467-3473.	1.0	13
252	The Flexibility of P2O7 Dimers in Soft Structures: M2CdP2O7 (M = Rb, Cs). European Journal of Inorganic Chemistry, 2016, 2016, 2704-2708.	1.0	13

#	Article	IF	Citations
253	Application of the dimensional reduction formalism to Pb9â˜'xBax[Li2(P2O7)2(P4O13)2] (x = 0, 2, 6, 7): a series of phosphates with two types of isolated polyphosphate groups. Dalton Transactions, 2017, 46, 4678-4684.	1.6	13
254	ScMO(BO₃) (M = Ca and Cd): new Sc-based oxyborates featuring interesting edge-sharing sandwich-like chains and UV cut-off edges. Dalton Transactions, 2017, 46, 14839-14846.	1.6	13
255	Linear-to-Î»-Shape Pâ€“Oâ€“P Bond Transmutation in Polyphosphates with Infinite (PO₃)_{â˜ž} Chain. Inorganic Chemistry, 2017, 56, 10139-10142.	1.9	13
256	Syntheses, characterization and theoretical studies of three apatite-type phosphates MPb4(PO4)3 (MÂ=) Tj ETQq0 0 0 rgBT /Overlock 1	2.8	13
257	Structural Diversity of Molybdate Iodate and Fluoromolybdate: Syntheses, Structures, and Calculations on Na₃(MoO₄)(IO₃) and Na₃Cs(MoO₂F₄)₂. Inorganic Chemistry, 2020, 59, 3034-3041.	1.9	13
258	Î±-, Î²-Pb4B2O7 and Î±-, Î²-Pb4B6O13: Polymorphism drives changes in structure and performance. Science China Materials, 2020, 63, 806-815.	3.5	13
259	Discovery of First Magnesium Fluorooxoborate with Stable Fluorine Terminated Framework for Deepâ€UV Nonlinear Optical Application. Angewandte Chemie, 2021, 133, 14771-14777.	1.6	13
260	Tetrafluoroborate-Monofluorophosphate (NH₄)₃[PO₃F][BF₄]: First Member of Oxyfluoride with Bâ€“F and Pâ€“F Bonds. ACS Organic & Inorganic Au, 2021, 1, 6-10.	1.9	13
261	NaBaBS₃: A Promising Infrared Functional Material with Large Birefringence Induced by Ï€-Conjugated [BS₃] Units. Chemistry of Materials, 2022, 34, 5215-5223.	3.2	13
262	Ba₂ZnSc(BO₃)₃and Ba₄Zn₅Sc₂(BO₃)₈: first examples of borates in the Znâ€“Scâ€“Bâ€“O system featuring special structure configurations. Inorganic Chemistry Frontiers, 2018, 5, 1787-1794.	3.0	12
263	Adjustable optical nonlinearity in d¹⁰ cations containing chalcogenides via dp hybridization interaction. Dalton Transactions, 2019, 48, 2592-2597.	1.6	12
264	[Ge₂S₅(S₂)]^{4â˜'}, A NLOâ€Active Unit Leading to an Asymmetric Structure Discovered in Li₂Cs₄Ge₂S₅(S₂)Cl₂: An Experimental and Theoretical study. Chemistry - A European Journal, 2019, 25, 5440-5444.	1.7	12
265	NaCa₅BO₃(SiO₄)₂ with Interesting Isolated [BO₃] and [SiO₄] Units in Alkali- and Alkaline-Earth-Metal Borosilicates. Inorganic Chemistry, 2019, 58, 3937-3943.	1.9	12
266	Ba₃(BO₃)(CO₃)F: The First Borate Carbonate Fluoride Synthesized by the Highâ€Temperature Solution Method. Chemistry - A European Journal, 2020, 26, 16628-16632.	1.7	12
267	Synergism of multiple functional chromophores significantly enhancing the birefringence in layered non-centrosymmetric chalcohalides. Inorganic Chemistry Frontiers, 2021, 8, 1588-1598.	3.0	12
268	M₃B₆O₁₀NO₃ (Mâ€…=â€…K, Rb): Two New Alkali Metal Borateâ€Nitrates with Noncentrosymmetric Structures. European Journal of Inorganic Chemistry, 2021, 2021, 1297-1304.	1.0	12
269	CsAB₈O₁₂F₂·CsI (A = K⁺,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 T structuresviaa salt-inclusion strategy. Journal of Materials Chemistry C, 2022, 10, 8584-8588.	2.7	12
270	Ba₇(BO₃)₃GeO₄X (XÂ= Cl, Br): borogermanate halides with rigid GeO₄tetrahedra and flexible XBa₆octahedra. RSC Advances, 2015, 5, 53448-53454.	1.7	11

#	Article	IF	Citations
271	Synthesis, structures, and properties of two magnesium silicate fluorides Mg₅(SiO₄)₂F₂and Mg₃SiO₄F₂. New Journal of Chemistry, 2015, 39, 8866-8873.	1.4	11
272	K4(PO2F2)2(S2O7): first fluorooxophosphorsulfate with mixed-anion [S2O7]2â^' and [PO2F2]â^' groups. Dalton Transactions, 2020, 49, 17658-17664.	1.6	11
273	Li₄Ca₂B₈O₁₆: A Borate with a Unique Fundamental Building Block and a Short Cutoff Edge. Inorganic Chemistry, 2020, 59, 8396-8403.	1.9	11
274	Li₃La₂(BO₃)₃ and Li_{1.75}Na_{1.25}La₂(BO₃)₃: A Great Enhancement in Birefringence Induced by Optimal Arrangement of Ï€-Conjugated [BO₃] Units. Inorganic Chemistry, 2021, 60, 12565-12572.	1.9	11
275	Insights of BO3â€“PO4 replacement for the design and synthesis of a new borateâ€“phosphate with unique 1â^ž[Zn4BO11] chains and two new phosphates. Inorganic Chemistry Frontiers, 2018, 5, 327-334.	3.0	11
276	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NaPN</mml:mi><mml:mn>2</mml:mn></mml:msub></m : Deep-ultraviolet nonlinear optical material with unprecedented strong second-harmonic generation coefficient. Physical Review Materials, 2019, 3, .	0.9	11
277	Enhancement of band gap and birefringence induced via Ï€-conjugated chromophore with â€œtail effectâ€• Inorganic Chemistry Frontiers, 2022, 9, 1224-1232.	3.0	11
278	LiB5O5F2(OH)4: A new deep-ultraviolet birefringent crystal with [B5O5F2(OH)4] anionic group. Science China Materials, 2022, 65, 2585-2590.	3.5	11
279	First-principles study lone-pair effects of Sb (III)-S chromophore influence on SHG response in quaternary potassium containing silver antimony sulfides. Journal of Solid State Chemistry, 2017, 249, 215-220.	1.4	10
280	Experimental and ab initio studies of two UV nonlinear optical materials. RSC Advances, 2017, 7, 20259-20265.	1.7	10
281	LiRb2LaB2O6: a new rare-earth borate with a MOF-5-like topological structure and a short UV cut-off edge. Dalton Transactions, 2017, 46, 193-199.	1.6	10
282	Structural insights into three phosphates with distinct polyanionic configurations. Dalton Transactions, 2019, 48, 13406-13412.	1.6	10
283	A new barium-containing alkali metal silicate fluoride NaBa3Si2O7F with deep-UV optical property. Science China Materials, 2019, 62, 1454-1462.	3.5	10
284	CO(NH₂)₂Â·NH₄Cl: an ultraviolet birefringent material with conjugated Cï€O groups. CrystEngComm, 2019, 21, 6072-6079.	1.3	10
285	LiBa₂M^{III}Q₄ (M^{III} = Al, Ga, In; Q = S, Se): A Series of Metal Chalcogenides with a Structural Transition. Inorganic Chemistry, 2019, 58, 12859-12866.	1.9	10
286	Role of Fluorooxo-Functional Units in Symmetry Breaking and Second Harmonic Generation Response Contribution in Fluorooxoborate Nonlinear Optical Crystals. Crystal Growth and Design, 2020, 20, 7582-7587.	1.4	10
287	A Promising Fluorooxoborate Framework with Flexibile Capability for Diverse Cations to Enhance the Second Harmonic Generation. Chemistry - A European Journal, 2020, 26, 3723-3728.	1.7	10
288	Na+/Ag+ substitution induced birefringence enhancement from AgGaS2 to NaGaS2. Journal of Alloys and Compounds, 2022, 896, 163093.	2.8	10

#	Article	IF	Citations
289	Uncovering the Structural Diversity and Excellent Performance of a Deep Ultraviolet Nonlinear Optical System Li(B₂O₃)_nF (n = 1, 1.5, 2, and 3) by Multicomponent Prediction. Chemistry of Materials, 2022, 34, 3133-3139.	3.2	10
290	Effect of the tetrahedral groups on the optical properties of LaBRO5 (Râ€‰=â€‰Si and Ge): A first-principles study. Journal of Applied Physics, 2015, 118, .	1.1	9
291	M₂Ca₃B₁₆O₂₈(M = Rb, Cs): structures analogous to SBBO with three-dimensional open-framework layers. RSC Advances, 2016, 6, 14205-14210.	1.7	9
292	Na2ZnSn2S6: A mixed-metal thiostannate with large second-harmonic generation response activated by penta-tetrahedral [ZnSn4S14]10â^' clusters. Science China Technological Sciences, 2017, 60, 1465-1472.	2.0	9
293	K₉[B₄O₅(OH)₄]₃(CO₃)XÂ·7H₂O (X = Cl, Br): Syntheses, Characterizations, and Theoretical Studies of Noncentrosymmetric Halogen Borateâ€“Carbonates with Short UV Cutoff Edges. Inorganic Chemistry, 2019, 58, 6974-6982.	1.9	9
294	Prediction of ternary fluorooxoborates with coplanar triangular units [BO_xF_{3â^'x}]^{xâ^'} from first-principles. Dalton Transactions, 2020, 49, 5424-5428.	1.6	9
295	Series of Crystals with Giant Optical Anisotropy: A Targeted Strategic Research. Angewandte Chemie, 2021, 133, 1352-1358.	1.6	9
296	Na3AMg7(PO4)6 (AÂ=ÂK, Rb and Cs): Structures, properties and theoretical studies of alkali metal magnesium orthophosphates. Journal of Molecular Structure, 2021, 1226, 129349.	1.8	9
297	Na₄B₈O₉F₁₀: A Deepâ€Ultraviolet Transparent Nonlinear Optical Fluorooxoborate with Unexpected Short Phaseâ€Matching Wavelength Induced by Optimized Chromatic Dispersion. Angewandte Chemie, 2022, 134, .	1.6	9
298	Strong Nonlinearity Induced by Coaxial Alignment of Polar Chain and Dense [BO ₃] Units in CaZn ₂ (BO ₃) ₂. Angewandte Chemie, 0, , .	1.6	9
299	NaBaMIIIQ3 (MIII = Al, Ga; Q = S, Se): first quaternary chalcogenides with isolated edge-sharing (MIIIQ6)6â^' dimers. Dalton Transactions, 2018, 47, 16044-16047.	1.6	8
300	Li₂BaSc(BO₃)₂F and LiBa₂Pb(BO₃)₂F with Layered Structures featuring Special Liâ^'O/F Configurations. Chemistry - A European Journal, 2018, 24, 15477-15481.	1.7	8
301	Flexible coordination of Pb atoms and variable zincâ€“borate frameworks to construct three Pb5Zn4B6O18 polymorphs. Inorganic Chemistry Frontiers, 2018, 5, 2501-2507.	3.0	8
302	Cs₂AlB₅O₁₀: a short-wavelength nonlinear optical crystal with moderate second harmonic generation response. Dalton Transactions, 2021, 50, 822-825.	1.6	8
303	Pb3Ba7B7O20F: A new nonlinear optical material exhibiting large second harmonic generation response induced by its unprecedented Pb-B-O framework. Scripta Materialia, 2021, 194, 113700.	2.6	8
304	Sn₃B₈O₁₅: A Ternary Tin(II) Borate with Flexible [B₈O₁₈]^{12â€“} Fundamental Building Block Formed by [B₇O₁₆]^{11â€“} and [BO₃]^{3â€“} Groups. Inorganic Chemistry, 2021, 60, 883-891.	1.9	8
305	LiMCO3 (M = K, Rb, Cs): a series of mixed alkali carbonates with large birefringence. Dalton Transactions, 2017, 46, 6894-6899.	1.6	7
306	Rb₃BaTeB₇O₁₅: a novel [B₇O₁₆] fundamental building block in a new telluroborate with [TeO₃] polyhedra. Dalton Transactions, 2020, 49, 8911-8917.	1.6	7

#	Article	IF	Citations
307	BaZn₃(BO₃)₂F₂: a new beryllium-free zincoborate with a KBBF-type structure. Dalton Transactions, 2021, 50, 13216-13219.	1.6	7
308	BaTi(BO₃)₂: an excellent birefringent material with highly coplanar isolated [BO₃] groups. New Journal of Chemistry, 2021, 45, 7065-7068.	1.4	7
309	Enhanced birefringence and suppressed second harmonic generation response mechanism in nonlinear optical materials via structural fine-tuning. Materials Chemistry Frontiers, 2021, 5, 7580-7586.	3.2	7
310	Polymorphic Pb14O8I12 and Pb7O4I6 oxyhalides featuring unprecedented [O8Pb14] clusters with broad IR transparency. Science China Materials, 2022, 65, 773-779.	3.5	7
311	From I²a€Na₂B₆O₁₀ to Na₃AlB₈O₁₅ and Na₃Al₂B₇O₁₅: Structural Tuning of Anionicâ€Group Architectures by Substitution of [BO₄] by [AlO₄] Covalent Tetrahedra. Chemistry – A European Journal, 2022, 28, .	1.7	7
312	AZn₂(BO₃)Si₂O₅ (A = Rb, Cs): first examples of KBe₂BO₃F₂ structure type in the borosilicate family exhibiting a deep-ultraviolet cutoff edge. Journal of Materials Chemistry C, 2022, 10, 1727-1734.	2.7	7
313	Variable dimensionality of the anion framework in four new borophosphates and fluoroborophosphates with short cutoff edges. Dalton Transactions, 2022, 51, 2840-2845.	1.6	7
314	MMâ€²B3O4F3 (M = K; Mâ€² = Na, K, Cs): Alkali-Metal Fluorooxoborates with â^ž1[B3O4F3] Chains and Deep-Ultraviolet Cutoff Edges. Inorganic Chemistry, 2022, , .	1.9	7
315	Ba₁₀LuB₁₈O₃₂F₁₃: the first example of borate in the Luâ€“Bâ€“Oâ€“F system with the unprecedented FBB [B₉O₂₂]. Inorganic Chemistry Frontiers, 2022, 9, 2298-2304.	3.0	7
316	Nonlinear optical response mechanism of noncentrosymmetric lead borate Pb₆[B₄O₇(OH)₂]₃with three crystallographically independent [B₄O₇(OH)₂]^{4â^'}chains. RSC Advances, 2016, 6, 100849-100856.	1.7	6
317	Na₆Si₃S₈O: the first example of a sulfide silicate exhibiting unusual tri-polymerized [Si₃S₈O]^{6â^'}units without Sâ€“O bonds. Dalton Transactions, 2017, 46, 13356-13359.	1.6	6
318	LiCs₂La(BO₃)₂ and Li₃K₉La₃(BO₃)₇: new mixed alkali metal lanthanum borates with three-dimensional open frameworks and short cut-off edges. Dalton Transactions, 2018, 47, 3512-3520.	1.6	6
319	Two noncentrosymmetric polyphosphates featuring infinite one-dimensional (PO3)â^ž chain, LiMP2O6 (M = Rb, Cs): Synthesis, structure and optical properties. Journal of Solid State Chemistry, 2018, 266, 150-154.	1.4	6
320	Four alkali metal molybdates with two types of Moâ€“O chains, ABMo₃O₁₀ (A =) Tj ETQq0 0 0 rgBT /Overlock Chemistry, 2018, 42, 10879-10884.	1.4	6
321	Prediction of Novel van der Waals Boron Oxides with Superior Deepâ€Ultraviolet Nonlinear Optical Performance. Angewandte Chemie, 2021, 133, 10886-10892.	1.6	6
322	Syntheses, Structures and Properties of Alkali and Alkaline Earth Metal Diamond-Like Compounds Li2MgMSe4 (M = Ge, Sn). Materials, 2021, 14, 6166.	1.3	6
323	Synthesis, structure and properties of nonlinear optical crystal Li(H 2 O) 4 B(OH) 4 Â·2H 2 O. Materials Research Bulletin, 2016, 83, 423-427.	2.7	5
324	Manipulation of birefringence via substitution of Sr²⁺by Pb²⁺based on the structure model of LiSr_{1â^'x}Pb_xBO₃ (0 â‰¤ x â‰¤ 0.5). New Journal of Chemistry, 2016, 40, 6120-6126.	1.4	5

#	Article	IF	Citations
325	Syntheses, crystal structures and characterization of three alkaline metal borates. CrystEngComm, 2017, 19, 2561-2569.	1.3	5
326	SrNO3(OH)Â·H2O: A new member in strontium nitrate hydrate family with an ultraviolet cut-off edge. Journal of Alloys and Compounds, 2017, 695, 1719-1724.	2.8	5
327	Mg(H2O)6B4O5(OH)4(H2O)3: a new hydrated borate with a short DUV cutoff edge. Dalton Transactions, 2019, 48, 17408-17413.	1.6	5
328	Al₈(BO₃)₄(B₂O₅)F₈: A F-Containing Aluminum Borate Featuring Two Types of Isolated Bâ€“O Groups. Inorganic Chemistry, 2020, 59, 810-817.	1.9	5
329	Three diphosphates, Î±-Li₂Na₂P₂O₇, Li₈Pb₃Ba(P₂O₇)₄and Li₇Rb(P₂O₇)₂: influences of co-substitution on the crystal structure. Dalton Transactions, 2020, 49, 6744-6750.	1.6	5
330	SrTi(IO₃)₆Â·2H₂O and SrSn(IO₃)₆: distinct arrangements of lone pair electrons leading to large birefringences. RSC Advances, 2021, 11, 10309-10315.	1.7	5
331	From BaCl₂ to Ba(NO₃)Cl: significantly enhanced birefringence derived from Ï€-conjugated [NO₃]. New Journal of Chemistry, 2021, 45, 17544-17550.	1.4	5
332	NaRbB 3 O 4 F 3 : A New Fluorooxoborate with a Short UV Cutoff Edge Enriching the Structural Chemistry of Borate. Chemistry - an Asian Journal, 2021, 16, 3082-3085.	1.7	5
333	Design of Infrared Nonlinear Optical Compounds with Diamond-like Structures and Balanced Optical Performance. Inorganic Chemistry, 2022, 61, 11454-11462.	1.9	5
334	Structural modulation induced by MIIIA metals in Ba3MQ4X (M = Al, Ga, In; Q = S, Se; X = Cl, Br): an experimental and computational analysis. Dalton Transactions, 2019, 48, 12713-12719.	1.6	4
335	AB11O16(OH)2 (A = K and Cs): interpenetrating 2D layers with large birefringence. CrystEngComm, 2021, 23, 35-39.	1.3	4
336	From centrosymmetric to noncentrosymmetric: effect of the cation on the crystal structures and birefringence values of (NH₄)_{nâ^'2}AE(PO₂F₂)_n (AE = Mg, Sr and Ba;) Tj ETQq0 0 0 rgBT /Overl	1.6	4
337	Pb_{2.28}Ba_{1.72}B₁₀O₁₉ featuring a three-dimensional Bâ€“O anionic network with edge-sharing [BO₄] obtained under ambient pressure. Inorganic Chemistry Frontiers, 2021, 8, 3716-3722.	3.0	4
338	Ba₃B₁₀O₁₇Br₂: a new barium borate halide with Bâ€“O layered structure. Dalton Transactions, 2018, 47, 16418-16421.	1.6	3
339	An alkali metal phosphate RbPbBi₂(PO₄)₃ with three kinds of disorder: the effect of isolated soft cation units on the crystal structure. Inorganic Chemistry Frontiers, 2019, 6, 2050-2054.	3.0	3
340	K2[B4O5(OH)4]Â·H2O and K2[B4O5(OH)4]: two new hydrated potassium borates with isolated [B4O5(OH)4]2â^' units and different structural frameworks. New Journal of Chemistry, 2019, 43, 11660-11665.	1.4	3
341	Band-Gap Modulation of Nonlinear-Optical Fluorooxoborates by Controlling the F/B Ratios. Inorganic Chemistry, 2020, 59, 1588-1591.	1.9	3
342	Coordination-Directed Structural Modulation and Design of Deep-Ultraviolet Nonlinear Optical Materials. Journal of Physical Chemistry C, 2021, 125, 24859-24866.	1.5	3

#	Article	IF	Citations
343	Ba2B13O19(OH)5Â·5H2O: A promising nonlinear optical material with a unique 2[B13O19(OH)5]âˆž two-dimensional layer. Journal of Alloys and Compounds, 2022, 897, 163194.	2.8	3
344	Ba₂B₅O₈(OH)₂(NO₃)Â·3H₂O: the design of an alkaline earth metal borate-nitrate optimized from a hydroxylic borate. Dalton Transactions, 2022, 51, 1979-1984.	1.6	3
345	Sr₃B₁₄O₂₄: a new borate with a [B₁₄O₃₀] fundamental building block and an unwonted 2D double layer. Dalton Transactions, 2022, 51, 618-623.	1.6	3
346	Hierarchical Modulation of Optical Anisotropy Driven by Metal Cation Polyhedra in Fluorooxoborates M II B 4 O 6 F 2 (M II =Be, Mg, Pb, Zn, Cd). Chemistry - A European Journal, 2022, 28, .	1.7	3
347	Design of a diamond-like infrared nonlinear optical material LiBS2 with ultra-wide band gap. Journal of Alloys and Compounds, 2022, 902, 163839.	2.8	3
348	Two alkali calcium borates exhibiting second harmonic generation and deep-UV cutoff edges. New Journal of Chemistry, 2019, 43, 9354-9363.	1.4	2
349	From BaAl2(BO3)2O to SnAl2(BO3)2F2: structure transformation based on ion regulation. New Journal of Chemistry, 2020, 44, 9852-9857.	1.4	2
350	Design and synthesis of Ba₃SiSe₅ with suitable birefringence modulated via M^{IV} atoms in the Baâ€“M^{IV}â€“Q (M^{IV} = Si, Ge; Q = S, Se) system. Dalton Transactions, 2021, 50, 11999-12005.	1.6	2
351	The First Mixed Calcium Zinc Borate with a Flexible [B 8 O 17] Fundamental Building Block and Short UV Cutoff Edge. Chemistry - A European Journal, 2021, 27, 12047-12051.	1.7	2
352	Two deep-ultraviolet nonlinear optical monolayers obtained by a template-optimized design strategy. Inorganic Chemistry Frontiers, 0, , .	3.0	2
353	Pb₂Al₂B₃O₈F₃: structure and properties of a new fluoroaluminoborate with non-traditional chain-like B₃O₈ groups. Dalton Transactions, 2022, 51, 3964-3969.	1.6	2
354	Promising Deepâ€Ultraviolet Birefringent Materials via Rational Design and Assembly of Planar Ï€â€Conjugated [B(OH) ₃] and [B ₃ O ₃ (OH) ₃] Functional Species. Angewandte Chemie, 0, , .	1.6	2
355	Fluorooxoborate layers: second harmonic generation and Raman spectra anisotropy. New Journal of Chemistry, 2020, 44, 13939-13943.	1.4	1
356	The synthesis, characterization, and theoretical analysis of (NH4)3PbCl5. New Journal of Chemistry, 2021, 45, 2038-2043.	1.4	1
357	Frontispiece: From LiB₃O₅ to NaRbB₆O₉F₂: Fluorineâ€Directed Evolution of Structural Chemistry. Chemistry - A European Journal, 2018, 24, .	1.7	0