Zhihua Yang

List of Publications by Year
in descending order

300 papers	17,039 citations	15466 65 h-index	19136 118 g-index
301 all docs	301 docs citations	301 times ranked	2327 citing authors

#	Article	IF	Citations
1	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
2	Polymorphic Pb14O8I12 and Pb7O4I6 oxyhalides featuring unprecedented [O8Pb14] clusters with broad IR transparency. Science China Materials, 2022, 65, 773-779.	3.5	7
3	From Î²â€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
4	Enhancement of band gap and birefringence induced <i>via Ï€</i>-conjugated chromophore with â€œtail effectâ€• Inorganic Chemistry Frontiers, 2022, 9, 1224-1232.	3.0	11
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Pb₂Al₂B₃O₈F₃: structure and properties of a new fluoroaluminoborate with non-traditional chain-like B₃O₈ groups. Dalton Transactions, 2022, 51, 3964-3969.	1.6	2
13	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
14	MMâ€²B3O4F3 (M = K; Mâ€² = Na, K, Cs): Alkali-Metal Fluorooxoborates with âˆž1[B3O4F3] Chains and Deep-Ultraviolet Cutoff Edges. Inorganic Chemistry, 2022, , .	1.9	7
15	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
16	Potential optical functional crystals with large birefringence: Recent advances and future prospects. Coordination Chemistry Reviews, 2022, 459, 214380.	9.5	114
17	Guanidinium Fluorooxoborates as Efficient Metal-free Short-Wavelength Nonlinear Optical Crystals. Chemistry of Materials, 2022, 34, 440-450.	3.2	67
18	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

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19	â€œRemoving Centerâ€â”€An Effective Structure Design Strategy for Nonlinear Optical Crystals. Chemistry of Materials, 2022, 34, 2429-2438.	3.2	16
20	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
21	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
22	Rb5Ba2(B10O17)2(BO2): The formation of unusual functional [BO2]âˆ’ in borates with deep-ultraviolet transmission window. Science China Chemistry, 2022, 65, 719-725.	4.2	25
23	Uncovering the Structural Diversity and Excellent Performance of a Deep Ultraviolet Nonlinear Optical System Li(B₂O₃)_{<i>n</i>}F (<i>n</i>= 1, 1.5, 2, and 3) by Multicomponent Prediction. Chemistry of Materials, 2022, 34, 3133-3139.	3.2	10
24	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
25	[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
26	(N₂H₆)[HPO₃F]₂: maximizing the optical anisotropy of deep-ultraviolet fluorophosphates. Chemical Communications, 2022, 58, 5594-5597.	2.2	18
27	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
28	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
29	Lone Pair-Driven Enhancement of Birefringence in Polar Alkali Metal Antimony Phosphates. Chemistry of Materials, 2022, 34, 4224-4231.	3.2	19
30	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
31	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
32	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
33	CsAB₈O₁₂F₂Â·CsI (A = K⁺,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (structures<i>via</i>a salt-inclusion strategy. Journal of Materials Chemistry C, 2022, 10, 8584-8588.	2.7	12
34	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
35	(NH4)3B11PO19F3: a deep-UV nonlinear optical crystal with unique [B5PO10F]âˆž layers. National Science Review, 2022, 9, .	4.6	68
36	Design of Infrared Nonlinear Optical Compounds with Diamond-like Structures and Balanced Optical Performance. Inorganic Chemistry, 2022, 61, 11454-11462.	1.9	5

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37	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
38	Series of Crystals with Giant Optical Anisotropy: A Targeted Strategic Research. Angewandte Chemie, 2021, 133, 1352-1358.	1.6	9
39	Series of Crystals with Giant Optical Anisotropy: A Targeted Strategic Research. Angewandte Chemie - International Edition, 2021, 60, 1332-1338.	7.2	77
40	Î±â€SnF 2 : A UV Birefringent Material with Large Birefringence and Easy Crystal Growth. Angewandte Chemie, 2021, 133, 3582-3586.	1.6	12
41	Sn₂B₅O₉Br as an Outstanding Bifunctional Material with Strong Secondâ€Harmonic Generation Effect and Large Birefringence. Advanced Optical Materials, 2021, 9, 2001734.	3.6	49
42	AB11O16(OH)2 (A = K and Cs): interpenetrating 2D layers with large birefringence. CrystEngComm, 2021, 23, 35-39.	1.3	4
43	Cs₂AlB₅O₁₀: a short-wavelength nonlinear optical crystal with moderate second harmonic generation response. Dalton Transactions, 2021, 50, 822-825.	1.6	8
44	Ba₂B₇O₁₂F with novel FBB [B₇O₁₆F] and deep-ultraviolet cut-off edge. Inorganic Chemistry Frontiers, 2021, 8, 339-343.	3.0	17
45	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
46	Sn₁₄O₁₁Br₆: a promising birefringent material with a [Sn₁₄O₁₁Br₆] layer. Journal of Materials Chemistry C, 2021, 9, 7103-7109.	2.7	19
47	Synergism of multiple functional chromophores significantly enhancing the birefringence in layered non-centrosymmetric chalcohalides. Inorganic Chemistry Frontiers, 2021, 8, 1588-1598.	3.0	12
48	Barium fluoroiodate crystals with a large band gap and birefringence. Inorganic Chemistry Frontiers, 2021, 8, 3127-3133.	3.0	16
49	The synthesis, characterization, and theoretical analysis of (NH4)3PbCl5. New Journal of Chemistry, 2021, 45, 2038-2043.	1.4	1
50	Design and synthesis of Ba₃SiSe₅ with suitable birefringence modulated <i>via</i> 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
51	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
52	BaZn₃(BO₃)₂F₂: a new beryllium-free zincoborate with a KBBF-type structure. Dalton Transactions, 2021, 50, 13216-13219.	1.6	7
53	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
54	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

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55	From centrosymmetric to noncentrosymmetric: effect of the cation on the crystal structures and birefringence values of (NH₄)_{nâˆ'2}AE(PO₂F₂)_n (AE = Mg, Sr and Ba;) Tj ETQq1 1 0.784314 rg	1.6	4
56	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
57	BaTi(BO₃)₂: an excellent birefringent material with highly coplanar isolated [BO₃] groups. New Journal of Chemistry, 2021, 45, 7065-7068.	1.4	7
58	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
59	Finding Short-Wavelength Birefringent Crystals with Large Optical Anisotropy Activated by Ï€-Conjugated [C(NH₂)₃] Units. Crystal Growth and Design, 2021, 21, 1869-1877.	1.4	15
60	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
61	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
62	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
63	Prediction of Novel van der Waals Boron Oxides with Superior Deepâ€Ultraviolet Nonlinear Optical Performance. Angewandte Chemie, 2021, 133, 10886-10892.	1.6	6
64	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
65	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
66	Cation Substitution of Hexagonal Triple Perovskites: A Case in Trimetallic Tellurates A2Aâ€²BTe2O9. Inorganic Chemistry, 2021, 60, 6099-6106.	1.9	6
67	Expanding the chemistry of borates with functional [BO2]âˆ' anions. Nature Communications, 2021, 12, 2597.	5.8	99
68	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
69	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
70	Cs₄B₄O₃F₁₀: First Fluorooxoborate with [BF₄] Involving Heteroanionic Units and Extremely Low Melting Point. Chemistry - A European Journal, 2021, 27, 9753-9757.	1.7	16
71	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
72	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

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73	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
74	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
75	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
76	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
77	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
78	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
79	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
80	From borophosphate to fluoroborophosphate: a rational design of fluorine-induced birefringence enhancement. Science China Chemistry, 2021, 64, 1498-1503.	4.2	17
81	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
82	Sn2PO4I: An Excellent Birefringent Material with Giant Optical Anisotropy in Non Ï€â€Conjugated Phosphate. Angewandte Chemie, 2021, 133, 25105.	1.6	14
83	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
84	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
85	BaB₄O₅F₄ with reversible phase transition featuring unprecedented fundamental building blocks of [B₁₆O₂₁F₁₆] in the <i>Î±</i>-phase and [B₄O₆F₄] in the <i>Î²</i>-phase. Chemical Communications, 2021, 57, 4182-4185.	2.2	15
86	Enhanced birefringence and suppressed second harmonic generation response mechanism in nonlinear optical materials <i>via</i> structural fine-tuning. Materials Chemistry Frontiers, 2021, 5, 7580-7586.	3.2	7
87	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
88	Syntheses, Structures and Properties of Alkali and Alkaline Earth Metal Diamond-Like Compounds Li2MgMSe4 (M = Ge, Sn). Materials, 2021, 14, 6166.	1.3	6
89	Coordination-Directed Structural Modulation and Design of Deep-Ultraviolet Nonlinear Optical Materials. Journal of Physical Chemistry C, 2021, 125, 24859-24866.	1.5	3
90	CsAlB₃O₆F: a beryllium-free deep-ultraviolet nonlinear optical material with enhanced thermal stability. Chemical Science, 2020, 11, 694-698.	3.7	108

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91	Effect of anion dimensionality on optical properties: the _{âˆž}[B₇O₁₀(OH)₂] layer in CsB₇O₁₀(OH)₂<i>vs.</i> the _{âˆž}[B₇O₁₂] framework in CsBaB₇O₁₂. Dalton Transactions, 2020, 49, 1292-1299.	1.6	14
92	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
93	NaRb₃B₆O₉(OH)₃(HCO₃): A Borate-Bicarbonate Nonlinear Optical Material. Inorganic Chemistry, 2020, 59, 759-766.	1.9	13
94	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
95	Structure-property survey and computer-assisted screening of mid-infrared nonlinear optical chalcohalides. Coordination Chemistry Reviews, 2020, 421, 213379.	9.5	78
96	RbB₃O₄F₂: a rubidium fluorooxoborate with an unprecedented [B₃O₅F₂]^{3âˆ'} functionalized unit and a large birefringence. Chemical Communications, 2020, 56, 15333-15336.	2.2	27
97	K4(PO2F2)2(S2O7): first fluorooxophosphorsulfate with mixed-anion [S2O7]2âˆ' and [PO2F2]âˆ' groups. Dalton Transactions, 2020, 49, 17658-17664.	1.6	11
98	Enhanced optical anisotropy<i>via</i>dimensional control in alkali-metal chalcogenides. Physical Chemistry Chemical Physics, 2020, 22, 19697-19703.	1.3	14
99	Three non-centrosymmetric bismuth phosphates, Li₂ABi(PO₄)₂(A =) Tj ETQq1 1 0.784314 rgBT / Frontiers, 2020, 7, 3364-3370.	3.0	17
100	Fluorooxoborate layers: second harmonic generation and Raman spectra anisotropy. New Journal of Chemistry, 2020, 44, 13939-13943.	1.4	1
101	Intense <i>d</i>-<i>p</i> Hybridization Induced a Vast SHG Response Disparity between Tetrahedral Vanadates and Arsenates. Journal of Physical Chemistry C, 2020, 124, 24949-24956.	1.5	8
102	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
103	Second Harmonic Generation Susceptibilities from Symmetry Adapted Wannier Functions. Physical Review Letters, 2020, 125, 187402.	2.9	94
104	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
105	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
106	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
107	Li₄Ca₂B₈O₁₆: A Borate with a Unique Fundamental Building Block and a Short Cutoff Edge. Inorganic Chemistry, 2020, 59, 8396-8403.	1.9	11
108	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

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109	Rb₃BaTeB₇O₁₅: a novel [B₇O₁₆] fundamental building block in a new telluroborate with [TeO₃] polyhedra. Dalton Transactions, 2020, 49, 8911-8917.	1.6	7
110	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
111	ZnIO₃F: Zinc Iodate Fluoride with Large Birefringence and Wide Band Gap. Inorganic Chemistry, 2020, 59, 4172-4175.	1.9	40
112	æ·±ç´«å–æ°ŸåŒ–ç¡¼é…¸ç›åŒæŠ˜å°„çŽ‡å'ŒæŠ˜å°„çŽ‡è‰²æ•£çš„æ€§èƒ½ å¢žç›Šç"ç©¶. Science China Materials, 2020, 63, 1480-14	3.5	7
113	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
114	Alignment of Polar Moieties Leading to Strong Second Harmonic Response in KCsMoP₂O₉. Chemistry of Materials, 2020, 32, 3297-3303.	3.2	31
115	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
116	PbB₅O₇F₃: A High-Performing Short-Wavelength Nonlinear Optical Material. Chemistry of Materials, 2020, 32, 2172-2179.	3.2	88
117	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
118	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
119	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
120	Band-Gap Modulation of Nonlinear-Optical Fluorooxoborates by Controlling the F/B Ratios. Inorganic Chemistry, 2020, 59, 1588-1591.	1.9	3
121	Î±-, Î²-Pb4B2O7 and Î±-, Î²-Pb4B6O13: Polymorphism drives changes in structure and performance. Science China Materials, 2020, 63, 806-815.	3.5	13
122	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
123	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
124	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
125	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
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