

Shilie Pan

List of PR Articles by Year in descending order

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226

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13,142

PR citations

16158

56

PR h-index

15432

112

g-index

227

documents

13307

doc citations

21661

56

h-index

2738

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Sr ₅ (CO ₃) ₂ (BO ₃) ₂ : A new family member of isostructural mixed borate and carbonate Ba ₄ M(BO ₃) ₂ (CO ₃) ₂ (M = Ba, Sr) with isolated BO ₃ and CO ₃ groups. Journal of Molecular Structure, 2022, 1247, 131382.	4.2	6
2	Ba ₂ B ₁₃ O ₁₉ (OH) ₅ ·5H ₂ O: A promising nonlinear optical material with a unique 2[B ₁₃ O ₁₉ (OH) ₅] ²⁻ two-dimensional layer. Journal of Alloys and Compounds, 2022, 897, 163194.	6.0	8
3	Na ⁺ /Ag ⁺ substitution induced birefringence enhancement from AgGaS ₂ to NaGaS ₂ . Journal of Alloys and Compounds, 2022, 896, 163093.	6.0	17
4	Na ₄ B ₈ O ₉ F ₁₀ : A Deep-Ultraviolet Transparent Nonlinear Optical Fluorooxoborate with Unexpected Short Phase-Matching Wavelength Induced by Optimized Chromatic Dispersion. Angewandte Chemie, 2022, 134, .	1.4	13
5	Na ₄ B ₈ O ₉ F ₁₀ : A Deep-Ultraviolet Transparent Nonlinear Optical Fluorooxoborate with Unexpected Short Phase-Matching Wavelength Induced by Optimized Chromatic Dispersion. Angewandte Chemie - International Edition, 2022, 61, .	14.1	127
6	Design of a diamond-like infrared nonlinear optical material LiBS ₂ with ultra-wide band gap. Journal of Alloys and Compounds, 2022, 902, 163839.	6.0	10
7	Potential optical functional crystals with large birefringence: Recent advances and future prospects. Coordination Chemistry Reviews, 2022, 459, 214380.	23.2	268
8	LiB ₅ O ₅ F ₂ (OH) ₄ : A new deep-ultraviolet birefringent crystal with [B ₅ O ₅ F ₂ (OH) ₄] anionic group. Science China Materials, 2022, 65, 2585-2590.	6.5	24
9	Rb ₅ Ba ₂ (B ₁₀ O ₁₇) ₂ (BO ₂): The formation of unusual functional [BO ₂] ⁻ in borates with deep-ultraviolet transmission window. Science China Chemistry, 2022, 65, 719-725.	6.7	59
10	Uncovering the Structural Diversity and Excellent Performance of a Deep Ultraviolet Nonlinear Optical System Li(B ₂ O ₃) ₃ F _n (n = 1, 1.5, 2, and 3) by Multicomponent Prediction. Chemistry of Materials, 2022, 34, 3133-3139.	6.8	19
11	[C ₃ N ₆ H ₇] ₂ [B ₃ O ₃ F ₄ (OH)]: a new hybrid birefringent crystal with strong optical anisotropy induced by mixed functional units. Journal of Materials Chemistry C, 2022, 10, 6590-6595.	5.1	76
12	(N ₂ H ₆)[HPO ₃ F] ₂ : maximizing the optical anisotropy of deep-ultraviolet fluorophosphates. Chemical Communications, 2022, 58, 5594-5597.	3.9	31
13	(NH ₄) ₃ B ₁₁ PO ₁₉ F ₃ : a deep-UV nonlinear optical crystal with unique [B ₅ PO ₁₀ F] ²⁻ layers. National Science Review, 2022, 9, .	9.8	128
14	K ₃ Sr ₃ Li ₂ Al ₄ B ₆ O ₂₀ F: a competitive nonlinear optical crystal for generation of a 266 nm laser. Journal of Materials Chemistry C, 2022, 10, 11232-11238.	5.1	31
15	Cs ₂ AlB ₅ O ₁₀ : a short-wavelength nonlinear optical crystal with moderate second harmonic generation response. Dalton Transactions, 2021, 50, 822-825.	3.2	11
16	Na ₃ AMg ₇ (PO ₄) ₆ (A = K, Rb and Cs): Structures, properties and theoretical studies of alkali metal magnesium orthophosphates. Journal of Molecular Structure, 2021, 1226, 129349.	4.2	14
17	Sn ₁₄ O ₁₁ Br ₆ : a promising birefringent material with a [Sn ₁₄ O ₁₁ Br ₆] layer. Journal of Materials Chemistry C, 2021, 9, 7103-7109.	5.1	26
18	SrTi(IO ₃) ₆ ·2H ₂ O and SrSn(IO ₃) ₆ : distinct arrangements of lone pair electrons leading to large birefringences. RSC Advances, 2021, 11, 10309-10315.	4.4	10

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19	Computationally assisted multistage design and prediction driving the discovery of deep-ultraviolet nonlinear optical materials. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3507-3523.	6.1	41
20	Pb ₃ Ba ₇ B ₇ O ₂₀ F: A new nonlinear optical material exhibiting large second harmonic generation response induced by its unprecedented Pb-B-O framework. <i>Scripta Materialia</i> , 2021, 194, 113700.	5.4	11
21	From borophosphate to fluoroborophosphate: a rational design of fluorine-induced birefringence enhancement. <i>Science China Chemistry</i> , 2021, 64, 1498-1503.	6.7	30
22	CsBaB ₉ O ₁₅ : a high performance ultraviolet nonlinear optical material activated by the peculiar double layered configuration. <i>Science Bulletin</i> , 2021, 66, 2165-2169.	9.6	72
23	Two deep-ultraviolet nonlinear optical monolayers obtained by a template-optimized design strategy. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4791-4795.	6.4	2
24	Enhanced birefringence and suppressed second harmonic generation response mechanism in nonlinear optical materials via structural fine-tuning. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7580-7586.	6.1	9
25	Syntheses, Structures and Properties of Alkali and Alkaline Earth Metal Diamond-Like Compounds Li ₂ MgMSe ₄ (M = Ge, Sn). <i>Materials</i> , 2021, 14, 6166.	2.9	10
26	Coordination-Directed Structural Modulation and Design of Deep-Ultraviolet Nonlinear Optical Materials. <i>Journal of Physical Chemistry C</i> , 2021, 125, 24859-24866.	3.1	4
27	Polymorphic Pb ₁₄ O ₈ I ₁₂ and Pb ₇ O ₄ I ₆ oxyhalides featuring unprecedented [O ₈ Pb ₁₄] clusters with broad IR transparency. <i>Science China Materials</i> , 2021, 65, 773-779.	6.5	16
28	Structure-property survey and computer-assisted screening of mid-infrared nonlinear optical chalcogenides. <i>Coordination Chemistry Reviews</i> , 2020, 421, 213379.	23.2	101
29	RbB ₃ O ₄ F ₂ : a rubidium fluorooxoborate with an unprecedented [B ₃ O ₅ F ₂] ³⁻ functionalized unit and a large birefringence. <i>Chemical Communications</i> , 2020, 56, 15333-15336.	3.9	35
30	Enhanced optical anisotropy via dimensional control in alkali-metal chalcogenides. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19697-19703.	2.8	18
31	Second Harmonic Generation Susceptibilities from Symmetry Adapted Wannier Functions. <i>Physical Review Letters</i> , 2020, 125, .	8.3	167
32	ZnIO ₃ F: Zinc Iodate Fluoride with Large Birefringence and Wide Band Gap. <i>Inorganic Chemistry</i> , 2020, 59, 4172-4175.	4.6	51
33	Enhanced nonlinear optical functionality in birefringence and refractive index dispersion of the deep-ultraviolet fluorooxoborates. <i>Science China Materials</i> , 2020, 63, 1480-1488.	6.5	109
34	La ₃ B ₆ O ₁₃ (OH): The First Acentric High-Pressure Borate Displaying Edge-sharing BO ₄ Tetrahedra. <i>Chemistry - A European Journal</i> , 2020, 26, 6851-6861.	3.3	24
35	\hat{I}_{\pm} , \hat{I}^2 -Pb ₄ B ₂ O ₇ and \hat{I}_{\pm} , \hat{I}^2 -Pb ₄ B ₆ O ₁₃ : Polymorphism drives changes in structure and performance. <i>Science China Materials</i> , 2020, 63, 806-815.	6.5	15
36	Controllable synthesis and spontaneous phase transition of photonic coordination polymer to produce a strong second-harmonic generation response. <i>Science China Materials</i> , 2020, 63, 1272-1278.	6.5	24

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37	Prediction and Characterization of NaGaS ₂ , A High Thermal Conductivity Mid-Infrared Nonlinear Optical Material for High-Power Laser Frequency Conversion. <i>Inorganic Chemistry</i> , 2019, 58, 93-98.	4.6	35
38	Research and Development of Zincoborates: Crystal Growth, Structural Chemistry and Physicochemical Properties. <i>Molecules</i> , 2019, 24, 2763.	4.3	16
39	A new barium-containing alkali metal silicate fluoride NaBa ₃ Si ₂ O ₇ F with deep-UV optical property. <i>Science China Materials</i> , 2019, 62, 1454-1462.	6.5	12
40	Designing excellent mid-infrared nonlinear optical materials with fluorooxo-functional group of d0 transition metal oxyfluorides. <i>Science China Materials</i> , 2019, 62, 1798-1806.	6.5	62
41	[Ge ₂ S ₅ (S ₂)] ⁴⁺ , A NLO-Active Unit Leading to an Asymmetric Structure Discovered in Li ₂ Cs ₄ Ge ₂ S ₅ (S ₂)Cl ₂ : An Experimental and Theoretical study. <i>Chemistry - A European Journal</i> , 2019, 25, 5440-5444.	3.3	18
42	Synthesis, characterization, and theoretical analysis of three new nonlinear optical materials K7MR2B15O30 (M= Ca and Ba, RE= La and Bi). <i>Science China Materials</i> , 2019, 62, 1151-1161.	6.5	28
43	The first barium lead oxychloride Ba ₂₇ Pb ₈ O ₈ Cl ₅₄ with new isolated [Pb ₄ O ₄] clusters. <i>Journal of Molecular Structure</i> , 2019, 1190, 23-28.	4.2	3
44	Ba ₄ M(CO ₃) ₂ (BO ₃) ₂ (M=Ba, Sr): two borate-carbonates synthesized by open high temperature solution method. <i>Science China Materials</i> , 2019, 62, 1023-1032.	6.5	29
45	A ₂ SrM ^{IV} S ₄ (A = Li, Na; M ^{IV} = Ge, Sn) concurrently exhibiting wide bandgaps and good nonlinear optical responses as new potential infrared nonlinear optical materials. <i>Chemical Science</i> , 2019, 10, 3963-3968.	7.2	71
46	A ¹¹⁹ Sn Mössbauer-spectroscopic characterization of the diamagnetic birefringence material Sn ₂ B ₅ O ₉ Cl. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2019, 74, 879-883.	0.8	6
47	$\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{NaPN} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Deep-ultraviolet nonlinear optical material with unprecedented strong second-harmonic generation coefficient. Physical Review Materials, 2019, 3, .}$	2.7	15
48	BaB ₂ S ₄ : An Efficient and Air-Stable Thioborate as Infrared Nonlinear Optical Material with High Laser Damage Threshold. <i>Chemistry of Materials</i> , 2018, 30, 7428-7432.	6.8	82
49	Mg ₂ Si ₂ As: An Unexplored System with Promising Nonlinear Optical Properties. <i>Advanced Functional Materials</i> , 2018, 28, .	16.9	45
50	Combination of d ¹⁰ -cations and fluorine anion as active participants to design novel borate/carbonate nonlinear optical materials. <i>Journal of Alloys and Compounds</i> , 2018, 758, 85-90.	6.0	24
51	NH ₄ Be ₂ BO ₃ F ₂ and β -Be ₂ BO ₃ F: Overcoming the Layering Habit in KBe ₂ BO ₃ F ₂ for the Next-Generation Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie</i> , 2018, 130, 9106-9110.	1.4	71
52	Two noncentrosymmetric polyphosphates featuring infinite one-dimensional (PO ₃) ^z chain, LiMP ₂ O ₆ (M = Rb, Cs): Synthesis, structure and optical properties. <i>Journal of Solid State Chemistry</i> , 2018, 266, 150-154.	3.3	8
53	Expanding Frontiers of Ultraviolet Nonlinear Optical Materials with Fluorophosphates. <i>Chemistry of Materials</i> , 2018, 30, 5397-5403.	6.8	250
54	Mo ⁶⁺ Cation Enrichment of the Structure Chemistry of Iodates: Syntheses, Structures, and Calculations of Ba(MoO ₂) ₂ (IO ₃) ₄ O, Ba ₃ [(MoO ₂) ₂ (IO ₃) ₄ O(OH)] ₂ H ₂ O, and Sr[(MoO ₂) ₆ (IO ₄) ₂ O ₄]·H ₂ O. <i>Inorganic Chemistry</i> , 2018, 57, 9376-9384.	4.6	24

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55	NH ₄ Be ₂ BO ₃ F ₂ and β -Be ₂ BO ₃ F: Overcoming the Layering Habit in KBe ₂ BO ₃ F ₂ for the Next-Generation Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8968-8972.	14.1	263
56	1.21-W 532-nm picosecond green laser generated by second-harmonic generation using K3B6O10Cl as a nonlinear optical crystal. <i>Optical Engineering</i> , 2018, 57, 1.	0.9	2
57	Theoretical investigation on the balance between large band gap and strong SHG response in BMO ₄ (M = P and As) crystals. <i>RSC Advances</i> , 2017, 7, 2804-2809.	4.4	21
58	First-principles study lone-pair effects of Sb (III)-S chromophore influence on SHG response in quaternary potassium containing silver antimony sulfides. <i>Journal of Solid State Chemistry</i> , 2017, 249, 215-220.	3.3	12
59	Fluorooxoborates: Beryllium-Free Deep-Ultraviolet Nonlinear Optical Materials without Layered Growth. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3916-3919.	14.1	853
60	Fluorooxoborates: Beryllium-Free Deep-Ultraviolet Nonlinear Optical Materials without Layered Growth. <i>Angewandte Chemie</i> , 2017, 129, 3974-3977.	1.4	96
61	LiRb ₂ LaB ₂ O ₆ : a new rare-earth borate with a MOF-5-like topological structure and a short UV cut-off edge. <i>Dalton Transactions</i> , 2017, 46, 193-199.	3.2	13
62	Ba _{n+2} Zn _n (BO ₃) _n (B ₂ O ₅) _n F _n (n) Tj ETQq0 0 0 Inorganic Chemistry Frontiers, 2017, 4, 281-288.	6.4	33
63	LiRb ₂ PO ₄ : a new deep-ultraviolet nonlinear optical phosphate with a large SHG response. <i>Journal of Materials Chemistry C</i> , 2017, 5, 269-274.	5.1	92
64	Na ₂ ZnSn ₂ S ₆ : A mixed-metal thioantennate with large second-harmonic generation response activated by penta-tetrahedral [ZnSn ₄ S ₁₄] ¹⁰⁻ clusters. <i>Science China Technological Sciences</i> , 2017, 60, 1465-1472.	4.4	10
65	Growth, Properties, and Theoretical Analysis of M ₂ LiVO ₄ (M = Rb, Cs) Crystals: Two Potential Mid-Infrared Nonlinear Optical Materials. <i>Scientific Reports</i> , 2017, 7, .	3.5	32
66	Na ₆ Si ₃ S ₈ O: the first example of a sulfide silicate exhibiting unusual tri-polymerized [Si ₃ S ₈ O] ⁶⁺ units without S-O bonds. <i>Dalton Transactions</i> , 2017, 46, 13356-13359.	3.2	7
67	Second-harmonic generation in noncentrosymmetric phosphates. <i>Physical Review B</i> , 2017, 96, .	3.4	40
68	SrNO ₃ (OH)·H ₂ O: A new member in strontium nitrate hydrate family with an ultraviolet cut-off edge. <i>Journal of Alloys and Compounds</i> , 2017, 695, 1719-1724.	6.0	5
69	Syntheses, characterization and theoretical studies of three apatite-type phosphates MPb ₄ (PO ₄) ₃ (M =) Tj ETQq1 1 0.7843 14 rgBT / O	6.0	16
70	Li ₂ HgMS ₄ (M = Si, Ge, Sn): New Quaternary Diamond-Like Semiconductors for Infrared Laser Frequency Conversion. <i>Crystals</i> , 2017, 7, 107.	2.2	57
71	A High Laser Damage Threshold and a Good Second-Harmonic Generation Response in a New Infrared NLO Material: LiSm ₃ Si ₇ . <i>Crystals</i> , 2016, 6, 121.	2.2	23
72	Application of the Dimensional Reduction Formalism to Pb ₁₂ [Li ₂ (P ₂ O ₇) ₂ (P ₄ O ₁₃) ₂](P ₄ O ₁₃): a Phosphate Containing Three Types of Isolated P=O Groups. <i>Inorganic Chemistry</i> , 2016, 55, 7329-7331.	4.6	21

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73	Design and Syntheses of Three Novel Carbonate Halides: Cs ₃ Pb ₂ (CO ₃) ₃ I, KBa ₂ (CO ₃) ₂ F, and RbBa ₂ (CO ₃) ₂ F. Chemistry - A European Journal, 2016, 22, 2944-2954.	3.3	29
74	Na ₂ BaMQ ₄ (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.	14.1	192
75	Influence of original and simulated microscopic units on SHG response in semiorganic NLO materials. RSC Advances, 2016, 6, 39534-39540.	4.4	9
76	Na ₂ ZnGe ₂ S ₆ : 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.	15.1	292
77	BaCdSnS ₄ and Ba ₃ CdSn ₂ S ₈ : syntheses, structures, and non-linear optical and photoluminescence properties. Dalton Transactions, 2016, 45, 10681-10688.	3.2	97
78	Density functional theory calculations, growth, structure, and optical properties of birefringent LiNaV ₂ O ₆ . Journal of Materials Research, 2016, 31, 488-494.	2.5	9
79	Effect of the [Ba ₂ BO ₃ F] ⁿ Layer on the Band Gap: Synthesis, Characterization, and Theoretical Studies of BaZn ₂ B ₂ O ₆ ·nBa ₂ BO ₃ F (n = 0, 1, 2). Inorganic Chemistry, 2016, 55, 4806-4812.	4.6	21
80	Manipulation of birefringence via substitution of Sr ²⁺ by Pb ²⁺ based on the structure model of LiSr _{1-x} Pb _x BO ₃ (0 ≤ x ≤ 0.5). New Journal of Chemistry, 2016, 40, 6120-6126.	2.5	5
81	AX ₆ octahedra influencing the arrangement of anionic groups and optical properties in inverse-perovskite [B ₆ O ₁₀]X ₃ (X = Cl, Br; A = alkali metal). Physical Chemistry Chemical Physics, 2016, 18, 15394-15398.	2.8	19
82	Effects of the Orientation of [B ₅ O ₁₁] ⁷⁻ Fundamental Building Blocks on Layered Structures Based on the Pentaborates. Inorganic Chemistry, 2016, 55, 10608-10616.	4.6	29
83	Role of the metal cation types around VO ₄ groups on the nonlinear optical behavior of materials: experimental and theoretical analysis. Dalton Transactions, 2016, 45, 14394-14402.	3.2	19
84	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.	3.4	27
85	K ₃ B ₃ O ₄ (OH) ₄ ·2H ₂ O: A UV Nonlinear Optical Crystal with Isolated [B ₃ O ₄ (OH) ₄] ³⁻ Anion Groups. Inorganic Chemistry, 2016, 55, 8744-8749.	4.6	21
86	A New Deep-Ultraviolet Transparent Orthophosphate LiCs ₂ PO ₄ with Large Second Harmonic Generation Response. Journal of the American Chemical Society, 2016, 138, 9101-9104.	15.1	377
87	Nonlinear electronic polarization and optical response in borophosphate $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{BPO} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mdiv} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle$. Physical Review B, 2016, 93, .		
88	KPb ₂ (PO ₃) ₅ : a novel nonlinear optical lead polyphosphate with a short deep-UV cutoff edge. Journal of Materials Chemistry C, 2016, 4, 10630-10637.	5.1	106
89	The mechanism of large second harmonic generation enhancement activated by Zn ²⁺ substitution. Physical Chemistry Chemical Physics, 2016, 18, 32931-32936.	2.8	35
90	Nonlinear optical response mechanism of noncentrosymmetric lead borate Pb ₆ [B ₄ O ₇ (OH) ₂] ₃ with three crystallographically independent [B ₄ O ₇ (OH) ₂] ⁴⁻ chains. RSC Advances, 2016, 6, 100849-100856.	4.4	7

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91	Predicting Global Minimum in Complex Beryllium Borate System for Deep-ultraviolet Functional Optical Applications. <i>Scientific Reports</i> , 2016, 6, .	3.5	27
92	Na ₂ BaMQ ₄ (M=Ge, Sn; Q=S, Se): Infrared Nonlinear Optical Materials with Excellent Performances and that Undergo Structural Transformations. <i>Angewandte Chemie</i> , 2016, 128, 6825-6827.	1.4	43
93	The Flexibility of P2O7 Dimers in Soft Structures: M2CdP2O7 (M = Rb, Cs). <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2704-2708.	1.9	13
94	Experimental and theoretical studies on the linear and nonlinear optical properties of lead phosphate crystals LiPbPO ₄ . <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19123-19129.	2.8	74
95	Synthesis, Characterization, and Theoretical Studies of (Pb ₄ O)Pb ₂ B ₆ O ₁₄ : A New Lead(II) Borate with Isolated Oxygen-Centered Pb ₄ O Tetrahedra and Large Second Harmonic Generation Response. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12757-12764.	3.1	42
96	Hierarchized band gap and enhanced optical responses of trivalent rare-earth metal nitrates due to (d ^π) ^π conjugation interactions. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6295-6301.	5.1	21
97	NaBa ₄ (GaB ₄ O ₉) ₂ X ₃ (X = Cl, Br) with NLO-Active GaO ₄ Tetrahedral Unit: Experimental and ab Initio Studies. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6190-6197.	3.1	25
98	M ₂ Ca ₃ B ₁₆ O ₂₈ (M = Rb, Cs): structures analogous to SBBO with three-dimensional open-framework layers. <i>RSC Advances</i> , 2016, 6, 14205-14210.	4.4	10
99	Active performance of tetrahedral groups to SHG response: theoretical interpretations of Ge/Si-containing borate crystals. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6077-6084.	2.8	3
100	New fluoroborate Cd ₈ B ₅ O ₁₅ F with two different isolated borate anions prepared by an open high-temperature solution method. <i>Dalton Transactions</i> , 2016, 45, 7008-7013.	3.2	7
101	Recent development of metal borate halides: Crystal chemistry and application in second-order NLO materials. <i>Coordination Chemistry Reviews</i> , 2016, 323, 15-35.	23.2	324
102	Li ₃ AlSiO ₅ : the first aluminosilicate as a potential deep-ultraviolet nonlinear optical crystal with the quaternary diamond-like structure. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4362-4369.	2.8	50
103	Versatile Coordination Mode of LiNaB ₈ O ₁₃ and \hat{I}^{\pm} - and \hat{I}^2 -LiKB ₈ O ₁₃ via the Flexible Assembly of Four-Connected B ₅ O ₁₀ and B ₃ O ₇ Groups. <i>Inorganic Chemistry</i> , 2016, 55, 552-554.	4.6	18
104	Three new phosphates with isolated P ₂ O ₇ units: noncentrosymmetric Cs ₂ Ba ₃ (P ₂ O ₇) ₂ and centrosymmetric Cs ₂ BaP ₂ O ₇ and LiCsBaP ₂ O ₇ . <i>Dalton Transactions</i> , 2016, 45, 3936-3942.	3.2	68
105	Effect of the tetrahedral groups on the optical properties of LaBRO ₅ (R ^o =Si and Ge): A first-principles study. <i>Journal of Applied Physics</i> , 2015, 118, .	2.2	10
106	Ba ₂ B ₆ O ₁₁ , a Member of the BaO ₂ B ₂ O ₃ Family, Featuring a Layer Framework. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3328-3335.	1.9	19
107	Ba ₂ In ₂ Q ₅ (Q = S, Se): Synthesis, Crystal Structures, Electronic Structures, and Optical Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 1329-1333.	1.0	10
108	Synthesis, characterization and theoretical studies of nonlinear optical crystal Sr ₂ B ₅ O ₉ (OH)·H ₂ O. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10489-10496.	2.8	29

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109	Pb ₆ Ba ₂ (BO ₃) ₅ X (X = Cl, Br): new borate halides with strong predicted optical anisotropies derived from Pb ²⁺ and (BO ₃) ³⁻ . Dalton Transactions, 2015, 44, 7041-7047.	3.2	23
110	Evidence of "new hot spots" from determining the nonlinear optical behavior of materials: mechanistic studies of the vanadium borate crystal, Na ₃ VO ₂ B ₆ O ₁₁ . Physical Chemistry Chemical Physics, 2015, 17, 5338-5344.	2.8	15
111	Q ₁₈ Mg ₆ (B ₅ O ₁₀) ₃ (B ₇ O ₁₄) ₂ (Q=Rb and Cs): New Borates Containing Two Large Isolated Polyborate Anions with Similar Topological Structures. Chemistry - A European Journal, 2015, 21, 1414-1419.	3.3	39
112	Simulated pressure-induced blue-shift of phase-matching region and nonlinear optical mechanism for K ₃ B ₆ O ₁₀ X (X=Cl, Br). Applied Physics Letters, 2015, 106, .	3.1	144
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