Shilie Pan

List of Publications by Year
in descending order

503	24,233	11908 72	14386 132
papers	citations	h-index	g-index

511	511	511	3656
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inorganic nonlinear optical materials. , 2023, , 3-44.		3
2	Sr5(CO3)2(BO3)2: A new family member of isostructural mixed borate and carbonate Ba4M(BO3)2(CO3)2 (MÂ=ÂBa, Sr) with isolated BO3 and CO3 groups. Journal of Molecular Structure, 2022, 1247, 131382.	1.8	3
3	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
4	Achieving Shortâ€Wavelength Phaseâ€Matching Second Harmonic Generation in Boronâ€Rich Borosulfate with Planar [BO₃] Units. Angewandte Chemie, 2022, 134, e202112844.	1.6	3
5	Polymorphic Pb14O8I12 and Pb7O4I6 oxyhalides featuring unprecedented [O8Pb14] clusters with broad IR transparency. Science China Materials, 2022, 65, 773-779.	3.5	7
6	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
7	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
8	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
9	Na+/Ag+ substitution induced birefringence enhancement from AgGaS2 to NaGaS2. Journal of Alloys and Compounds, 2022, 896, 163093.	2.8	10
10	Rational combination of multiple structural groups on regulating nonlinear optical property in hexagonal Ln3MGeS7 polar crystals. Journal of Alloys and Compounds, 2022, 900, 163535.	2.8	3
11	Ba₆(Cu_{<i>x</i>}Z_{<i>y</i>})Sn₄S₁₆ (Z = Mg,) Tj ETQq1 1 0.784314 rg Inorganic Chemistry, 2022, 61, 2640-2651.	1.9	7
12	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
13	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
14	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
15	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
16	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
17	Unprecedented mid-infrared nonlinear optical materials achieved by crystal structure engineering, a case study of (KX)P₂S₆ (X = Sb, Bi, Ba). Chemical Science, 2022, 13, 2640-2648.	3.7	28
18	Two new tellurite halides with cationic layers: syntheses, structures, and characterizations of CdPb₂Te₃O₈Cl₂ and Cd₁₃Pb₈Te₁₄O₄₂Cl₁₄. Inorganic Chemistry Frontiers, 2022, 9, 1023-1030.	3.0	9

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19	Pb₂Al₂B₃O₈F₃: structure and properties of a new fluoroaluminoborate with non-traditional chain-like B₃O₈ groups. Dalton Transactions, 2022, 51, 3964-3969.	1.6	2
20	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
21	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
22	Pd and octahedra do not get along: Square planar [PdS4] units in non-centrosymmetric La6PdSi2S14. Journal of Alloys and Compounds, 2022, 902, 163756.	2.8	8
23	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
24	A₂P₂S₆ (A = Ba and Pb): a good platform to study the polymorph effect and lone pair effect to form an acentric structure. Dalton Transactions, 2022, 51, 4522-4531.	1.6	19
25	Potential optical functional crystals with large birefringence: Recent advances and future prospects. Coordination Chemistry Reviews, 2022, 459, 214380.	9.5	114
26	Guanidinium Fluorooxoborates as Efficient Metal-free Short-Wavelength Nonlinear Optical Crystals. Chemistry of Materials, 2022, 34, 440-450.	3.2	67
27	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
28	â€œRemoving Centerâ€â€"An Effective Structure Design Strategy for Nonlinear Optical Crystals. Chemistry of Materials, 2022, 34, 2429-2438.	3.2	16
29	Finding the First Squarates Nonlinear Optical Crystal NaHC₄O₄Â·H₂O with Strong Second Harmonic Generation and Giant Birefringence. , 2022, 4, 572-576.		19
30	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
31	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
32	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
33	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
34	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
35	Nonâ€Linear Optical Properties of the (<i>RE</i>)₃CuGeS₇ Family of Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	0.6	7
36	Synthesis, Crystal Growth, Electronic Properties and Optical Properties of Y₆IV_{2.5}S₁₄ (IV=Si, Ge). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	0.6	6

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37	[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
38	(N₂H₆)[HPO₃F]₂: maximizing the optical anisotropy of deep-ultraviolet fluorophosphates. Chemical Communications, 2022, 58, 5594-5597.	2.2	18
39	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
40	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
41	Lone Pair-Driven Enhancement of Birefringence in Polar Alkali Metal Antimony Phosphates. Chemistry of Materials, 2022, 34, 4224-4231.	3.2	19
42	Organicâ€"Inorganic Hybrid Noncentrosymmetric (Morpholinium)₂Cd₂Cl₆ Single Crystals: Synthesis, Nonlinear Optical Properties, and Stability. Inorganic Chemistry, 2022, 61, 8076-8082.	1.9	18
43	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
44	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
45	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
46	Second-Harmonic Generation-Positive Na₂Ga₂SiS₆with a Broad Band Gap and a High Laser Damage Threshold. Inorganic Chemistry, 2022, 61, 7546-7552.	1.9	11
47	CsAB₈O₁₂F₂Â·CsI (A = K⁺,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (structures<i>via</i>a salt-inclusion strategy. Journal of Materials Chemistry C, 2022, 10, 8584-8588.	2.7	12
48	From oxides to oxysulfides: the mixed-anion GeS₃O unit induces huge improvement in the nonlinear optical effect and optical anisotropy for potential nonlinear optical materials. RSC Advances, 2022, 12, 16296-16300.	1.7	10
49	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
50	(NH4)3B11PO19F3: a deep-UV nonlinear optical crystal with unique [B5PO10F]âˆž layers. National Science Review, 2022, 9, .	4.6	68
51	K₃Sr₃Li₂Al₄B₆O₂₀F: a competitive nonlinear optical crystal for generation of a 266 nm laser. Journal of Materials Chemistry C, 2022, 10, 11232-11238.	2.7	17
52	AgGaSe₂-Inspired Nonlinear Optical Materials: Tetrel Selenides of Alkali Metals and Mercury. Chemistry of Materials, 2022, 34, 5991-5998.	3.2	14
53	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
54	Series of Crystals with Giant Optical Anisotropy: A Targeted Strategic Research. Angewandte Chemie, 2021, 133, 1352-1358.	1.6	9

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55	Series of Crystals with Giant Optical Anisotropy: A Targeted Strategic Research. Angewandte Chemie - International Edition, 2021, 60, 1332-1338.	7.2	77
56	Î±â€SnF 2 : A UV Birefringent Material with Large Birefringence and Easy Crystal Growth. Angewandte Chemie, 2021, 133, 3582-3586.	1.6	12
57	Borates: A Rich Source for Optical Materials. Chemical Reviews, 2021, 121, 1130-1202.	23.0	534
58	From silicates to oxonitridosilicates: improving optical anisotropy for phase-matching as ultraviolet nonlinear optical materials. Chemical Communications, 2021, 57, 639-642.	2.2	32
59	Sn₂B₅O₉Br as an Outstanding Bifunctional Material with Strong Secondâ€Harmonic Generation Effect and Large Birefringence. Advanced Optical Materials, 2021, 9, 2001734.	3.6	49
60	AB11O16(OH)2 (A = K and Cs): interpenetrating 2D layers with large birefringence. CrystEngComm, 2021, 23, 35-39.	1.3	4
61	Cs₂AlB₅O₁₀: a short-wavelength nonlinear optical crystal with moderate second harmonic generation response. Dalton Transactions, 2021, 50, 822-825.	1.6	8
62	Ba₂B₇O₁₂F with novel FBB [B₇O₁₆F] and deep-ultraviolet cut-off edge. Inorganic Chemistry Frontiers, 2021, 8, 339-343.	3.0	17
63	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
64	Sn₁₄O₁₁Br₆: a promising birefringent material with a [Sn₁₄O₁₁Br₆] layer. Journal of Materials Chemistry C, 2021, 9, 7103-7109.	2.7	19
65	Synergism of multiple functional chromophores significantly enhancing the birefringence in layered non-centrosymmetric chalcohalides. Inorganic Chemistry Frontiers, 2021, 8, 1588-1598.	3.0	12
66	From thiophosphate to chalcohalide: mixed-anion AgS_{<i>x</i>}Cl_{<i>y</i>} ligands concurrently enhancing nonlinear optical effects and laser-damage threshold. Chemical Communications, 2021, 57, 8218-8221.	2.2	5
67	Barium fluoroiodate crystals with a large band gap and birefringence. Inorganic Chemistry Frontiers, 2021, 8, 3127-3133.	3.0	16
68	Ba2BS3Cl and Ba5B2S8Cl2: First alkaline-earth metal thioborate halides with [BS3] units. Chemical Communications, 2021, 57, 6440-6443.	2.2	18
69	The synthesis, characterization, and theoretical analysis of (NH4)3PbCl5. New Journal of Chemistry, 2021, 45, 2038-2043.	1.4	1
70	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
71	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
72	BaZn₃(BO₃)₂F₂: a new beryllium-free zincoborate with a KBBF-type structure. Dalton Transactions, 2021, 50, 13216-13219.	1.6	7

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73	A review on the recently developed promising infrared nonlinear optical materials. Dalton Transactions, 2021, 50, 3155-3160.	1.6	59
74	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
75	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
76	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 ETQq0 0 0 rgBT /Over	1.6	4
77	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
78	BaTi(BO₃)₂: an excellent birefringent material with highly coplanar isolated [BO₃] groups. New Journal of Chemistry, 2021, 45, 7065-7068.	1.4	7
79	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
80	Na₄SnS₄ and Na₄SnSe₄ exhibiting multifunctional physicochemical performances as potential infrared nonlinear optical crystals and sodium ion conductors. New Journal of Chemistry, 2021, 45, 12362-12366.	1.4	13
81	Ba2.5Pb1.5B12O22: structural transformation from a centrosymmetric to a noncentrosymmetric space group by introducing Pb into Ba2B6O11. Dalton Transactions, 2021, 50, 13031-13036.	1.6	5
82	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
83	Noncentrosymmetric Tetrel Pnictides RuSi₄P₄ and IrSi₃P₃: Nonlinear Optical Materials with Outstanding Laser Damage Threshold. Advanced Functional Materials, 2021, 31, 2010293.	7.8	27
84	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
85	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
86	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
87	Prediction of Novel van der Waals Boron Oxides with Superior Deepâ€Ultraviolet Nonlinear Optical Performance. Angewandte Chemie, 2021, 133, 10886-10892.	1.6	6
88	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
89	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
90	Cation Substitution of Hexagonal Triple Perovskites: A Case in Trimetallic Tellurates A2Aâ€²BTe2O9. Inorganic Chemistry, 2021, 60, 6099-6106.	1.9	6

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91	Expanding the chemistry of borates with functional [BO2]âˆ’ anions. Nature Communications, 2021, 12, 2597.	5.8	99
92	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
93	RbMT₃(BO₃)₂O₃ (M=Ba, Sr; T=Al, Ga): New Doubleâ€Layered Oxyborates Constructed from [BO₃] Triangles and [TO₄] Tetrahedra. Chemistry - A European Journal, 2021, 27, 8698-8703.	1.7	6
94	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
95	Unique Unilateral-Chelated Mode-Induced dâ€“pâˆ’Ï€ Interaction Enhances Second-Harmonic Generation Response in New Ln₃LiMS₇ Family. Chemistry of Materials, 2021, 33, 4225-4230.	3.2	25
96	Cs₄B₄O₃F₁₀: First Fluorooxoborate with [BF₄] Involving Heteroanionic Units and Extremely Low Melting Point. Chemistry - A European Journal, 2021, 27, 9753-9757.	1.7	16
97	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
98	Centrosymmetric or Noncentrosymmetric? Transition Metals Talking in K₂TGe₃S₈(T = Co, Fe). Inorganic Chemistry, 2021, 60, 10603-10613.	1.9	16
99	Triclinic Layered A₂ZnSi₃S₈ (A = Rb and Cs) with Large Optical Anisotropy and Systematic Research on the Inherent Structureâ€“Performance Relationship in the A₂M^{IIB}M^{IV}₃Q₈ Family. Inorganic Chemistry, 2021, 60, 12573-12579.	1.9	5
100	Yb:GdScO₃ crystal for efficient ultrashort pulse lasers. Optics Letters, 2021, 46, 3641.	1.7	24
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	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

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109	From borophosphate to fluoroborophosphate: a rational design of fluorine-induced birefringence enhancement. Science China Chemistry, 2021, 64, 1498-1503.	4.2	17
110	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
111	Sn2PO4I: An Excellent Birefringent Material with Giant Optical Anisotropy in Non Ï€â€Conjugated Phosphate. Angewandte Chemie, 2021, 133, 25105.	1.6	14
112	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
113	Identical in Formula but Not Isotypic in Configuration: Discovery of a New Highly Polymerized [B₁₂O₂₄] Cluster in Cs₃AlB₆O₁₂. Inorganic Chemistry, 2021, 60, 15131-15135.	1.9	9
114	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
115	InnenrÃ¼cktitelbild: Li₄MgGe₂S₇: The First Alkali and Alkalineâ€Earth Diamondâ€Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap (Angew. Chem.) Tj ETQq1 1 0.784314 rg BT /Overlo	1.6	0
116	CsBaB9O15: a high performance ultraviolet nonlinear optical material activated by the peculiar double layered configuration. Science Bulletin, 2021, 66, 2165-2169.	4.3	42
117	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
118	A series of M3PS4 (M = Ag, Cu and Ag/Cu) thiophosphates with diamond-like structures exhibiting large second harmonic generation responses and moderate ion conductivities. Dalton Transactions, 2021, 50, 4129-4132.	1.6	17
119	Applying band gap engineering to tune the linear optical and nonlinear optical properties of noncentrosymmetric chalcogenides La₄Ge₃Se_{<i>x</i>}S_{12â^’<i>x</i>} (<i>x</i> = 0, 2, 4, 6, 8,) Tj ETQq1 1 0.784314 rgB	3.0	9
120	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
121	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
122	A new broad-band infrared window material CdPbOCl2 with excellent comprehensive properties. Dalton Transactions, 2021, 50, 16401-16405.	1.6	4
123	Synthesis-enabled exploration of chiral and polar multivalent quaternary sulfides. Chemical Science, 2021, 12, 14718-14730.	3.7	16
124	Syntheses, Structures and Properties of Alkali and Alkaline Earth Metal Diamond-Like Compounds Li2MgMSe4 (M = Ge, Sn). Materials, 2021, 14, 6166.	1.3	6
125	Coordination-Directed Structural Modulation and Design of Deep-Ultraviolet Nonlinear Optical Materials. Journal of Physical Chemistry C, 2021, 125, 24859-24866.	1.5	3
126	M₆PS₅X (M = Ag, Cu; X = Cl, Br) chalcohalides exhibiting strong nonlinear optical responses and high laser damage resistances. Dalton Transactions, 2021, 50, 17901-17905.	1.6	3

#	Article	IF	Citations
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