Ning Ye

List of Publications by Year
in descending order

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124 papers	7,557 citations	66343 42 h-index	56724 83 g-index
125 all docs	125 docs citations	125 times ranked	1797 citing authors

#	Article	IF	Citations
1	Chemical substitution â€“ oriented design of a new polar PbFIO3 achieving a balance between large second-harmonic generation response and wide band gap. Scripta Materialia, 2022, 208, 114347.	5.2	10
2	HgSO4: An excellent mid-infrared sulfate nonlinear optical crystal with wide band gap and strong second harmonic generation response. Journal of Alloys and Compounds, 2022, 902, 163727.	5.5	6
3	Pnictides: An emerging class of infrared nonlinear optical material candidates. Journal of Alloys and Compounds, 2022, 901, 163384.	5.5	17
4	Epitaxial growth of aligned MgO nanowire arrays on a single crystalline substrate. Dalton Transactions, 2022, 51, 3740-3746.	3.3	2
5	Uncovering a Vital Band Gap Mechanism of Pnictides. Advanced Science, 2022, 9, e2105787.	11.2	15
6	Cs₂Bi₂OSi₂O₇: A Promising Bismuth Silicate Nonlinear Optical Crystal with Face-Sharing BiO₅ Polyhedra Exhibiting Strengthened Second Harmonic Generation Response and Birefringence. Chemistry of Materials, 2022, 34, 3365-3372.	6.7	19
7	Sulfamide: A Promising Deepâ€Ultraviolet Nonlinear Optical Crystal Assembled from Polar Covalent [SO₂(NH₂)₂] Tetrahedra. Angewandte Chemie, 2022, 134, .	2.0	7
8	Sulfamide: A Promising Deepâ€Ultraviolet Nonlinear Optical Crystal Assembled from Polar Covalent [SO₂(NH₂)₂] Tetrahedra. Angewandte Chemie - International Edition, 2022, 61, .	13.8	39
9	A₂BeS₂O₈ (A = NH₄, K, Rb, Cs) Deep Ultraviolet Nonlinear Optical Crystals. Chemistry of Materials, 2022, 34, 3781-3788.	6.7	18
10	LiNbTeO₅: A High-Performance Multifunctional Crystal Material with a Very Large Second-Harmonic Generation Response and Piezoelectric Coefficient. Chemistry of Materials, 2022, 34, 399-404.	6.7	21
11	Crystal Growth and Physical Properties of the Nonlinear Optical Crystal KLi(HC₃N₃O₃)Â·2H₂O. Crystal Growth and Design, 2022, 22, 3471-3478.	3.0	9
12	A flexible functional module to regulate ultraviolet optical nonlinearity for achieving a balance between a second-harmonic generation response and birefringence. Chemical Science, 2022, 13, 6990-6997.	7.4	14
13	BaSi₇P₁₀ and SrSi₇P₁₀: Two Infrared Nonlinear Optical Phosphides with T2 Supertetrahedra Exhibiting Strong Secondâ€Harmonic Generation Effects. Advanced Optical Materials, 2022, 10, .	7.3	4
14	Directional Construction of New Nonlinear Optical Bifunctional Units through Molecular Engineering Design Inspired by the B₃O₇-Typed Configuration. ACS Applied Materials & Interfaces, 2022, 14, 32270-32278.	8.0	6
15	Shedding Light on the Structure and Characterization of K₂ZnGe₂O₆: A Phase-Matchable Nonlinear Optical Crystal. Inorganic Chemistry, 2022, 61, 11471-11477.	4.0	10
16	A powder method for the high-efficacy evaluation of electro-optic crystals. National Science Review, 2021, 8, nwaa104.	9.5	21
17	Unexpected aliovalent cation substitution between two NLO materials LiBa₃Bi₆(SeO₃)₇F₁₁and Ba₃Bi_{6.5}(SeO₃)₇F_{10.5}O_{0.5}. Chemical Communications, 2021, 57, 2982-2985.	4.1	11
18	Halonitrides Zn₂NX (X=Cl,Br): Novel Mid-Infrared Nonlinear Optical Materials. Chemistry of Materials, 2021, 33, 1462-1470.	6.7	19

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19	[C(NH2)3]3PO4Â·2H2O: A new metal-free ultraviolet nonlinear optical phosphate with large birefringence and second-harmonic generation response. Science China Materials, 2021, 64, 2008-2016.	6.3	28
20	LaSiP₃ and LaSi₂P₆: Two Excellent Rareâ€Earth Pnictides with Strong SHG Responses as Midâ€and Farâ€Infrared Nonlinear Optical Crystals. Advanced Optical Materials, 2021, 9, 2002176.	7.3	9
21	M(NH₂SO₃)₂ (M=Sr, Ba): Two Deepâ€Ultraviolet Transparent Sulfamates Exhibiting Strong Second Harmonic Generation Responses and Moderate Birefringence. Angewandte Chemie - International Edition, 2021, 60, 7621-7625.	13.8	73
22	Ï€-Conjugated Trigonal Planar [C(NH₂)₃]⁺ Cationic Group: A Superior Functional Unit for Ultraviolet Nonlinear Optical Materials. ACS Omega, 2021, 6, 9263-9268.	3.5	22
23	M(NH₂SO₃)₂ (M=Sr, Ba): Two Deepâ€Ultraviolet Transparent Sulfamates Exhibiting Strong Second Harmonic Generation Responses and Moderate Birefringence. Angewandte Chemie, 2021, 133, 7699-7703.	2.0	39
24	Te(CS(NH₂)₂)₄SO₄Â·2H₂O: A Three-in-One Semiorganic Nonlinear Optical Crystal with an Unusual Quadrilateral (TeS₄)^{6â€“} Chromophore. Crystal Growth and Design, 2021, 21, 2596-2601.	3.0	8
25	Cd₃(IO₃)(IO₄)F₂Â·0.1CdO: A Nonlinear-Optical Crystal with the Introduction of Fluoride into Iodate Containing Both [IO₃]^{â^’} and [IO₄]^{3â€“} Groups. Inorganic Chemistry, 2021, 60, 6040-6046.	4.0	11
26	Î±-Ca₂CdP₂ and Î²-Ca₂CdP₂: Two Polymorphic Phosphide-Based Infrared Nonlinear Crystals with Distorted NLO-Active Tetrahedral Motifs Realizing Large Second Harmonic Generation Effects and Suitable Band Gaps. Inorganic Chemistry, 2021, 60, 7553-7560.	4.0	14
27	Be₂(BO₃)(IO₃): The First Anionâ€mixed Van der Waals Member in the KBe₂BO₃F₂ Family with a Very Strong Second Harmonic Generation Response. Angewandte Chemie - International Edition, 2021, 60, 17415-17418.	13.8	59
28	Be 2 (BO 3)(IO 3): The First Anionâ€mixed Van der Waals Member in the KBe 2 BO 3 F 2 Family with a Very Strong Second Harmonic Generation Response. Angewandte Chemie, 2021, 133, 17555-17558.	2.0	7
29	Mg₂In₃Si₂P₇: A Quaternary Diamond-like Phosphide Infrared Nonlinear Optical Material Derived from ZnGeP₂. Journal of the American Chemical Society, 2021, 143, 10309-10316.	13.7	77
30	Two Tellurium(IV)-Based Sulfates Exhibiting Strong Second Harmonic Generation and Moderate Birefringence as Promising Ultraviolet Nonlinear Optical Materials. Inorganic Chemistry, 2021, 60, 11412-11418.	4.0	20
31	A₃Te(Zn₂Ge)Ge₂O₁₄ (A = Sr, Ba, and Pb): New Langasite Mid-infrared Nonlinear Optical Materials by Rational Chemical Substitution. Chemistry of Materials, 2021, 33, 6012-6017.	6.7	17
32	Intersected nonpolar ZnO nanosail arrays aligned epitaxially on LiGaO 2 substrate towards enhanced photoelectrochemical responses. Nano Select, 2021, 2, 1233-1243.	3.7	4
33	M₄O(IO₃)₃(I₃O₇F₃)BF₄ (M = Pb, Sr): Promising Nonlinear Optical Materials Featuring the Unprecedented Windmill-Shaped [I₃O₇F₃]^{2â€“} Polyfluoroiodate Anion. Crystal Growth and Design, 2021, 21, 7098-7103.	3.0	5
34	RbNa(HC₃N₃O₃)Â·2H₂O exhibiting a strong second harmonic generation response and large birefringence as a new potential UV nonlinear optical material. Inorganic Chemistry Frontiers, 2020, 7, 150-156.	6.0	49
35	(NH₄)Bi₂(IO₃)₂F₅: An Unusual Ammoniumâ€Containing Metal Iodate Fluoride Showing Strong Second Harmonic Generation Response and Thermochromic Behavior. Angewandte Chemie - International Edition, 2020, 59, 5268-5272.	13.8	73
36	(NH 4)Bi 2 (IO 3) 2 F 5 : An Unusual Ammoniumâ€Containing Metal Iodate Fluoride Showing Strong Second Harmonic Generation Response and Thermochromic Behavior. Angewandte Chemie, 2020, 132, 5306-5310.	2.0	11

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37	Noncentrosymmetric Ca(H₃C₄N₂O₃)₂·H₂O and Centrosymmetric Sr(H₅C₈N₄O₅)₂·4H₂O. Inorganic Chemistry, 2020, 59, 15962-15968.	4.0	11
38	Î±-CdP2: Large SHG Effect Originating from the Synergism of Parallel âˆž1[Pâ€“] Polyanion Chains and Distorted CdP4 Tetrahedra. Chemistry of Materials, 2020, 32, 10246-10253.	6.7	7
39	NaZnCO₃(OH): A High-Performance Carbonate Ultraviolet Nonlinear Optical Crystal Derived from KBe₂BO₃F₂. Journal of the American Chemical Society, 2020, 142, 20542-20546.	13.7	96
40	An Optimal Arrangement of (H₂C₄N₂O₃)^{2â€“} Groups in the First Non-Centrosymmetric Alkali Barbiturate Li₂(H₂C₄N₂O₃)·2H₂O Inducing a Giant Second Harmonic Generation Response and a Striking Birefringence. Crystal Growth and Design, 2020, 20, 4904-4908.	3.0	23
41	From centrosymmetric to noncentrosymmetric: intriguing structure evolution in d¹⁰-transition metal iodate fluorides. Chemical Communications, 2020, 56, 10734-10737.	4.1	25
42	Anionic Aliovalent Substitution from Structure Models of ZnS: Novel Defect Diamondâ€like Halopnictide Infrared Nonlinear Optical Materials with Wide Band Gaps and Large SHG Effects. Angewandte Chemie - International Edition, 2020, 59, 23549-23553.	13.8	45
43	Anionic Aliovalent Substitution from Structure Models of ZnS: Novel Defect Diamondâ€like Halopnictide Infrared Nonlinear Optical Materials with Wide Band Gaps and Large SHG Effects. Angewandte Chemie, 2020, 132, 23755-23759.	2.0	15
44	A₂Bi₂(SeO₃)₃F₂ (A = K and Rb): Excellent Mid-Infrared Nonlinear Optical Materials with Both Strong SHG Responses and Large Band Gaps. Chemistry of Materials, 2020, 32, 7958-7964.	6.7	42
45	Hydrogen-Bond-Assisted Reinforcement of Interlayer Connections in Zn₂BO₃XÂ·H₂O (X = Cl, Br): Two UV Nonlinear Optical Crystals with KBBF-Type Structure. Inorganic Chemistry, 2020, 59, 7789-7794.	4.0	6
46	Ba(IO₃)F: An Alkaline-Earth-Metal Iodate Fluoride Crystal with Large Band Gap and Birefringence. Inorganic Chemistry, 2020, 59, 7376-7379.	4.0	20
47	Rational Design of the Metalâ€Free KBe₂BO₃F₂â‹…(KBBF) Family Member C(NH₂)₃SO₃F with Ultraviolet Optical Nonlinearity. Angewandte Chemie - International Edition, 2020, 59, 15978-15981.	13.8	96
48	Rational Design of the Metalâ€Free KBe₂BO₃F₂â‹…(KBBF) Family Member C(NH₂)₃SO₃F with Ultraviolet Optical Nonlinearity. Angewandte Chemie, 2020, 132, 16112-16115.	2.0	13
49	Helix-constructed polar rare-earth iodate fluoride as a laser nonlinear optical multifunctional material. Chemical Science, 2020, 11, 7396-7400.	7.4	18
50	Cd₄SiQ₆ (Q = S, Se): Ternary Infrared Nonlinear Optical Materials with Mixed Functional Building Motifs. Crystal Growth and Design, 2020, 20, 2489-2496.	3.0	15
51	Rational Design of the Nonlinear Optical Response in a Tin Iodate Fluoride Sn(IO₃)₂F₂. Chemistry of Materials, 2020, 32, 2615-2620.	6.7	71
52	A(H₃C₃N₃O₃)(NO₃) (A = K, Rb): Alkali-Metal Nitrate Isocyanurates with Strong Optical Anisotropy. Inorganic Chemistry, 2020, 59, 10361-10367.	4.0	30
53	A microcrystal method for the measurement of birefringence. CrystEngComm, 2020, 22, 1956-1961.	2.6	64
54	Enhancing the Thermoelectric Performance of Polycrystalline SnSe by Decoupling Electrical and Thermal Transport through Carbon Fiber Incorporation. ACS Applied Materials & Interfaces, 2020, 12, 12910-12918.	8.0	22

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55	Na₃Sc₂(PO₄)₂F₃: rational design and synthesis of an alkali rare-earth phosphate fluoride as an ultraviolet nonlinear optical crystal with an enlarged birefringence. Journal of Materials Chemistry C, 2020, 8, 4965-4972.	5.5	34
56	NaPb2(CO3)2Fx(OH)1-x(0 < x â‰ 1): A new member of alkali-lead carbonate fluoride system with large birefringence. Journal of Solid State Chemistry, 2020, 288, 121407.	2.9	1
57	Sr[B(OH)₄](IO₃) and Li₄Sr₅[B₁₂O₂₂(OH)₄](IO₃)₂: two unprecedented metal borate-iodates showing a subtle balance of enlarged band gap and birefringence. Chemical Communications, 2019, 55, 11139-11142.	4.1	29
58	A₂Bi₂(SO₄)₂Cl₄(A = NH₄, K,) Tj ETQq0 0 0 rgBT /Overloc birefringence in sulfate nonlinear optical materials. Journal of Materials Chemistry C, 2019, 7, 9900-9907.	5.5	63
59	RE(H2C3N3O3)2Â·(OH)Â·xH2O (RE = La, Y and Gd): potential UV birefringent materials with strong optical anisotropy originating from the (H2C3N3O3)â˜ group. Dalton Transactions, 2019, 48, 12296-12302.	3.3	24
60	Refractive Index Modulates Second-Harmonic Responses in RE₈O(CO₃)₃(OH)₁₅X (RE = Y, Lu; X = Cl, Br): Rare-Earth Halide Carbonates as Ultraviolet Nonlinear Optical Materials. Chemistry of Materials, 2019, 31, 2130-2137.	6.7	28
61	Two Deep Ultraviolet Hydrated Borate Crystals: Centrosymmetric LiRbB₅O₈(OH)Â·H₂O and Non-Centrosymmetric K₂B₅O₈(OH)Â·2H₂O. Crystal Growth and Design, 2019, 19, 3052-3059.	3.0	5
62	KLi(HC₃N₃O₃)Â·2H₂O: Solvent-drop Grinding Method toward the Hydro-isocyanurate Nonlinear Optical Crystal. Journal of the American Chemical Society, 2019, 141, 3390-3394.	13.7	187
63	BaGe₂Pn₂ (Pn = P, As): Two Congruent-Melting Non-chalcopyrite Pnictides as Mid- and Far-Infrared Nonlinear Optical Materials Exhibiting Large Second Harmonic Generation Effects. Chemistry of Materials, 2019, 31, 10170-10177.	6.7	34
64	Quasiparticle effects on the linear and nonlinear susceptibility of ZnGeP₂. RSC Advances, 2019, 9, 35771-35779.	3.6	3
65	Atom-Resolved Analysis of Birefringence of Nonlinear Optical Crystals by Bader Charge Integration. Journal of Physical Chemistry C, 2019, 123, 31183-31189.	3.1	37
66	Y₂(CO₃)₃Â·H₂O and (NH₄)₂Ca₂Y₄(CO₃)₉Â·H₂O: Partial Aliovalent Cation Substitution Enabling Evolution from Centrosymmetry to Noncentrosymmetry for Nonlinear Optical Response. Chemistry of Materials, 2019, 31, 52-56.	6.7	29
67	M₂B₁₀O₁₄F₆ (M = Ca, Sr): Two Noncentrosymmetric Alkaline Earth Fluorooxoborates as Promising Next-Generation Deep-Ultraviolet Nonlinear Optical Materials. Journal of the American Chemical Society, 2018, 140, 3884-3887.	13.7	288
68	A cation size effect on the framework structures in ABi₂SeO₃F₅(A = K and Rb): first examples of alkali metal bismuth selenite fluorides. Dalton Transactions, 2018, 47, 6598-6604.	3.3	12
69	Pb₂BO₃Br: a novel nonlinear optical lead borate bromine with a KBBF-type structure exhibiting strong nonlinear optical response. Inorganic Chemistry Frontiers, 2018, 5, 916-921.	6.0	90
70	Three alkaline-rare earth cations carbonates with large birefringence in the deep UV range. Journal of Alloys and Compounds, 2018, 742, 587-593.	5.5	11
71	The second-harmonic generation intensification derived from localization conjugated Ï€-orbitals in O₂^{2â˜}. Chemical Communications, 2018, 54, 1445-1448.	4.1	33
72	Exploration of new UV nonlinear optical materials in the sodiumâ€“zinc fluoride carbonate system with the discovery of a new regulation mechanism for the arrangement of [CO₃]^{2â˜} groups. Journal of Materials Chemistry C, 2018, 6, 6526-6533.	5.5	19

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73	Rational Design of the First Lead/Tin Fluorooxoborates MB₂O₃F₂ (M = Pb, Sn), Containing Flexible Two-Dimensional [B₆O₁₂F₆]_{âˆž} Single Layers with Widely Divergent Second Harmonic Generation Effects. Journal of the American Chemical Society, 2018, 140, 6814-6817.	13.7	177
74	NH₄Be₂BO₃F₂ and Î³â€²-Be₂BO₃F: Overcoming the Layering Habit in KBe₂BO₃F₂ for the Nextâ€Generation Deepâ€Ultraviolet Nonlinear Optical Materials. Angewandte Chemie, 2018, 130, 9106-9110.	2.0	63
75	Polarity-Controlled GaN Epitaxial Films Achieved via Controlling the Annealing Process of ScAlMgO₄ Substrates and the Corresponding Thermodynamic Mechanisms. Journal of Physical Chemistry C, 2018, 122, 16161-16167.	3.1	14
76	Crystal growth, spectral properties and Judd-Ofelt analysis of Pr3+:LaMgAl11O19. Journal of Alloys and Compounds, 2018, 767, 938-943.	5.5	20
77	NH₄Be₂BO₃F₂ and Î³â€²-Be₂BO₃F: Overcoming the Layering Habit in KBe₂BO₃F₂ for the Nextâ€Generation Deepâ€Ultraviolet Nonlinear Optical Materials. Angewandte Chemie - International Edition, 2018, 57, 8968-8972.	13.8	200
78	Structural Modulation of Nitrate Group with Cations to Affect SHG Responses in RE(OH)₂NO₃ (RE = La, Y, and Gd): New Polar Materials with Large NLO Effect after Adjusting pH Values of Reaction Systems. Chemistry of Materials, 2017, 29, 896-903.	6.7	107
79	Experimental and ab initio studies of Cd₅(BO₃)₃Cl: the first cadmium borate chlorine NLO material with isolated BO₃groups. Dalton Transactions, 2017, 46, 15228-15234.	3.3	18
80	Significant enhancement of figure-of-merit in carbon-reinforced Cu2Se nanocrystalline solids. Nano Energy, 2017, 41, 164-171.	16.0	103
81	Synthesis and characterization of a new beryllium-free deep-ultraviolet nonlinear optical material: Na2GdCO3F3. Journal of Alloys and Compounds, 2017, 724, 1057-1063.	5.5	29
82	Explorations of new UV nonlinear optical materials in the Na₂CO₃â€“CaCO₃system. Journal of Materials Chemistry C, 2017, 5, 8758-8764.	5.5	25
83	Collaborative enhancement from Pb²⁺ and F^{â^’} in Pb₂(NO₃)₂(H₂O)F₂ generates the largest second harmonic generation effect among nitrates. Chemical Communications, 2017, 53, 9398-9401.	4.1	66
84	AZn₂BO₃X₂ (A = K, Rb, NH₄; X = Cl, Br): New Members of KBBF Family Exhibiting Large SHG Response and the Enhancement of Layer Interaction by Modified Structures. Chemistry of Materials, 2016, 28, 9122-9131.	6.7	134
85	Epitaxial growth of GaN films on lattice-matched ScAlMgO₄substrates. CrystEngComm, 2016, 18, 4688-4694.	2.6	22
86	AMgPO₄Â·6H₂O (A = Rb, Cs): strong SHG responses originated from orderly PO₄groups. Journal of Materials Chemistry C, 2016, 4, 9219-9226.	5.5	44
87	A Deep-Ultraviolet Nonlinear Optical Crystal: Strontium Beryllium Borate Fluoride with Planar Be(O/F)₃ Groups. Chemistry of Materials, 2016, 28, 4563-4571.	6.7	47
88	Molecular Engineering as an Approach To Design a New Beryllium-Free Fluoride Carbonate as a Deep-Ultraviolet Nonlinear Optical Material. Chemistry of Materials, 2016, 28, 2301-2307.	6.7	85
89	Synthesis and characterization of CsSrCO₃F â€“ a beryllium-free new deep-ultraviolet nonlinear optical material. New Journal of Chemistry, 2016, 40, 2243-2248.	2.8	34
90	Epitaxial growth of nonpolar m-plane ZnO epilayers and ZnO/Zn_{0.55}Mg_{0.45}O multiple quantum wells on a LiGaO₂ (100) substrate. RSC Advances, 2015, 5, 104798-104805.	3.6	4

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91	Sr₂(OH)₃NO₃: the first nitrate as a deep UV nonlinear optical material with large SHG responses. Journal of Materials Chemistry C, 2015, 3, 5268-5274.	5.5	136
92	First-Principles Design of a Deep-Ultraviolet Nonlinear-Optical Crystal from KBe₂BO₃F₂ to NH₄Be₂BO₃F₂. Inorganic Chemistry, 2015, 54, 10533-10535.	4.0	85
93	Structural Modulation of Anionic Group Architectures by Cations to Optimize SHG Effects: A Facile Route to New NLO Materials in the ATCO₃F (A = K, Rb; T = Zn, Cd) Series. Chemistry of Materials, 2015, 27, 7520-7530.	6.7	94
94	Engineering of Organic Chromophores with Large Second-Order Optical Nonlinearity and Superior Crystal Growth Ability. Crystal Growth and Design, 2015, 15, 5560-5567.	3.0	30
95	Synthesis, Crystal Structure, and Optical Properties of a New Sodiumâ€Cadmium Carbonate Na₄Cd₃(CO₃)₄(OH)₂. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 460-463.	1.2	3
96	Synthesis and characterization of Cd₄YbO(BO₃)₃ â€“ a congruent melting cadmiumâ€“ytterbium oxyborate with large nonlinear optical properties. New Journal of Chemistry, 2014, 38, 6186-6192.	2.8	11
97	Growth and characterizations of BaGa4S7 crystal. Optical Materials, 2014, 36, 2007-2011.	3.6	33
98	Lanthanum Lead Oxide Hydroxide Nitrates with a Nonlinear Optical Effect. Inorganic Chemistry, 2014, 53, 12584-12589.	4.0	28
99	A new alkaline beryllium borate KBe₄B₃O₉ with ribbon alveolate [Be₂BO₅]_{âˆž} layers and the structural evolution of ABe₄B₃O₉ (A = K, Rb and Cs). CrystEngComm, 2014, 16, 3971-3976.	2.6	12
100	Series of Lead Oxide Hydroxide Nitrates Obtained by Adjusting the pH Values of the Reaction Systems. Inorganic Chemistry, 2014, 53, 5222-5228.	4.0	30
101	Syntheses, characterization and nonlinear optical properties ofÂsodiumâ€“scandium carbonate Na 5 Sc(CO 3) 4 Â·2H 2 O. Solid State Sciences, 2014, 36, 24-28.	3.2	8
102	Na₄La₂(CO₃)₅ and CsNa₅Ca₅(CO₃)₈: Two New Carbonates as UV Nonlinear Optical Materials. Inorganic Chemistry, 2014, 53, 8098-8104.	4.0	58
103	Sodiumâ€“rare earth carbonates with shorite structure and large second harmonic generation response. CrystEngComm, 2014, 16, 4414.	2.6	41
104	Prospects for Fluoride Carbonate Nonlinear Optical Crystals in the UV and Deep-UV Regions. Journal of Physical Chemistry C, 2013, 117, 25684-25692.	3.1	92
105	CsPbCO₃F: A Strong Second-Harmonic Generation Material Derived from Enhancement via pâˆ’Ï€ Interaction. Journal of the American Chemical Society, 2013, 135, 18560-18566.	13.7	242
106	Na₈Lu₂(CO₃)₆F₂ and Na₃Lu(CO₃)₂F₂: Rare Earth Fluoride Carbonates as Deep-UV Nonlinear Optical Materials. Chemistry of Materials, 2013, 25, 3147-3153.	6.7	123
107	Synthesis, structure, and characterization of a new promising nonlinear optical crystal: Cd5(BO3)3F. CrystEngComm, 2013, 15, 2422.	2.6	39
108	Growth and optical properties of nonlinear LuAl_3(BO_3)_4 crystals. Optics Express, 2013, 21, 16415.	3.4	15

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109	BaGa2GeX6(X=S, Se): New mid-IR nonlinear optical crystals with large band gaps. Journal of Solid State Chemistry, 2012, 195, 172-177.	2.9	89
110	Cadmium-rare earth oxyborates Cd4ReO(BO3)3 (Re = Y, Gd, Lu): congruently melting compounds with large SHG responses. Journal of Materials Chemistry, 2012, 22, 19911.	6.7	61
111	Na₂CsBe₆B₅O₁₅: An Alkaline Beryllium Borate as a Deep-UV Nonlinear Optical Crystal. Journal of the American Chemical Society, 2011, 133, 11458-11461.	13.7	292
112	Growth and Thermophysical Properties of the Nonlinear Optical Crystal LuAl₃(BO₃)₄. Crystal Growth and Design, 2011, 11, 5048-5052.	3.0	31
113	Alkaline-Alkaline Earth Fluoride Carbonate Crystals ABCO₃F (A = K, Rb, Cs; B = Ca, Sr, Ba) as Nonlinear Optical Materials. Journal of the American Chemical Society, 2011, 133, 20001-20007.	13.7	418
114	Alkaline Beryllium Borate NaBeB₃O₆ and ABe₂B₃O₇ (A = K, Rb) as UV Nonlinear Optical Crystals. Journal of the American Chemical Society, 2010, 132, 8779-8786.	13.7	335
115	Growth and Characterization of BaGa₄S₇: A New Crystal for Mid-IR Nonlinear Optics. Crystal Growth and Design, 2009, 9, 1186-1189.	3.0	346
116	Nonlinear optical crystal BiAlGa2(BO3)4. Solid State Sciences, 2007, 9, 713-717.	3.2	18
117	Nonlinear Optical Crystal YxLaySczBO3)4(x+y+z= 4). Chemistry of Materials, 2005, 17, 2687-2692.	6.7	86
118	New nonlinear optical crystal K_2Al_2B_2O_7. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 764.	2.1	137
119	Computer-Assisted Search for Nonlinear Optical Crystals. Advanced Materials, 1999, 11, 1071-1078.	21.0	273
120	Searching for new nonlinear optical materials on the basis of the anionic group theory. Journal of Applied Physics, 1998, 84, 555-558.	2.5	188
121	<title>Two new nonlinear optical crystals: BaAl<formula><inf><roman>2</roman></inf></formula>B<formula><inf><roman>2</roman></inf></formula>O<formula><inf><roman and K<formula><inf><roman>2</roman></inf></formula>Al<formula><inf><roman>2</roman></inf></formula>B<formula><inf><roman , 1998, , .	58	
122	Linear and nonlinear optical properties of the KBe2BO3F2 (KBBF) crystal. Optical Materials, 1996, 5, 105-109.	3.6	338
123	The vacuum ultraviolet phaseâ€matching characteristics of nonlinear optical KBe2BO3F2 crystal. Applied Physics Letters, 1996, 68, 2930-2932.	3.3	282
124	Crystallographic Insights into the Crystal Structure and Intrinsic Properties of Ca₁₂Al₁₄O₃₃-Type Rb₃LiZn₂(MoO₄)₄ Single Crystals. Inorganic Chemistry, 0, , .	4.0	1