Zhe-Shuai Lin

List of Publications by Year
in descending order

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506	25,289	5126	14779
papers	citations	86 h-index	131 g-index

569	569	569	13232
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonpolar Na ₁₀ Cd(NO ₃) ₄ (SO ₃ S) ₄ Exhibits a Large Second-Harmonic Generation. CCS Chemistry, 2022, 4, 526-531.	4.6	43
2	Pnictides: An emerging class of infrared nonlinear optical material candidates. Journal of Alloys and Compounds, 2022, 901, 163384.	2.8	17
3	SrZnSnSe4: A quaternary selenide with large second harmonic generation and birefringence. Journal of Alloys and Compounds, 2022, 904, 163944.	2.8	24
4	Structural modification from centrosymmetric Rb₄Hg₂Ge₂S₈ to noncentrosymmetric (Na₃Rb)Hg₂Ge₂S₈: mixed alkali metals strategy for infrared nonlinear optical material design. Journal of Materials Chemistry C, 2022, 10, 3300-3306.	2.7	13
5	Two non-centrosymmetric scandium borate nonlinear optical crystals containing the B5O10 anion group. Journal of Alloys and Compounds, 2022, 902, 163832.	2.8	12
6	Driving Nonlinear Optical Activity with Dipolar 2-Aminopyrimidinium Cations in (C₄H₆N₃)⁺(H₂PO₃)^{â^'} Chemistry of Materials, 2022, 34, 1976-1984.	3.2	35
7	Sliding Modulation in Nonlinear Optical Effect in Two-Dimensional van der Waals Cu₂MoS₄. ACS Applied Materials & Interfaces, 2022, 14, 9535-9543.	4.0	5
8	Centrosymmetric Rb[Te₂O₄(OH)₅] and noncentrosymmetric K₂[Te₃O₈(OH)₄]: metal tellurates with corner and edge-sharing (Te₄O₁₈)^{12â^'} anion groups. Inorganic Chemistry Frontiers, 2022, 9, 2628-2636.	3.0	7
9	The synthesis and structureâ€“property relation analysis of metal chalcohalide crystals Cs₂InPS₄X₂ (X = Cl, Br) with mixed anions. Dalton Transactions, 2022, 51, 4728-4733.	1.6	1
10	Uncovering a Vital Band Gap Mechanism of Pnictides. Advanced Science, 2022, 9, e2105787.	5.6	15
11	Ultrawide Bandgap and Outstanding Secondâ€Harmonic Generation Response by a Fluorineâ€Enrichment Strategy at a Transitionâ€Metal Oxyfluoride Nonlinear Optical Material. Angewandte Chemie - International Edition, 2022, 61, .	7.2	28
12	Ultrawide Bandgap and Outstanding Secondâ€Harmonic Generation Response by a Fluorineâ€Enrichment Strategy at a Transitionâ€Metal Oxyfluoride Nonlinear Optical Material. Angewandte Chemie, 2022, 134, .	1.6	4
13	A Lanthanum Ammonium Sulfate Double Salt with a Strong SHG Response and Wide Deepâ€UV Transparency. Angewandte Chemie, 2022, 134, .	1.6	3
14	A Lanthanum Ammonium Sulfate Double Salt with a Strong SHG Response and Wide Deepâ€UV Transparency. Angewandte Chemie - International Edition, 2022, 61, .	7.2	38
15	Two-Dimensional Negative Thermal Expansion in a Crystal of LiBO₂. Chemistry of Materials, 2022, 34, 4195-4201.	3.2	7
16	Ba₆In₂Ge₂Te₁₅: a THz birefringent material with an intriguing quasi-[Te₅]^{4â^'} chain possessing large optical anisotropy and an ultrawide transmission range. Inorganic Chemistry Frontiers, 2022, 9, 3421-3427.	3.0	4
17	Maximizing the linear and nonlinear optical responses of alkaline tricyanomelaminate. Fundamental Research, 2022, , .	1.6	5
18	Edgeâ€Assisted Epitaxy of 2D TaSe₂â€MoSe₂ Metalâ€“Semiconductor Heterostructures and Application to Schottky Diodes. Advanced Functional Materials, 2022, 32, .	7.8	10

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19	Small Organic Molecular-Based Hybrid Halides with High Photoluminescence Quenching Temperature. Inorganic Chemistry, 2022, 61, 7560-7567.	1.9	10
20	Transformation of Thermal Expansion from Large Volume Contraction to Nonlinear Strong Negative Thermal Expansion in PbTiO₃â€“Bi(Co_{1â€“x}Fe_x)O₃ Perovskites. ACS Applied Materials & Interfaces, 2022, 14, 23610-23616.	4.0	5
21	Realization of Enlarged Birefringence from BaCdBe₂(BO₃)₂F₂ to NaMgBe₂(BO₃)₂F via the Cation Size Effect as a Potential Deep-Ultraviolet Birefringent Material. Inorganic Chemistry, 2022, 61, 7624-7630.	1.9	8
22	Innentitelbild: Ultrawide Bandgap and Outstanding Secondâ€Harmonic Generation Response by a Fluorineâ€Enrichment Strategy at a Transitionâ€Metal Oxyfluoride Nonlinear Optical Material (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	0
23	Mid-Infrared Nonlinear Optical Halides with Diamond-like Structures: A Theoretical and Experimental Study. Chemistry of Materials, 2022, 34, 5301-5310.	3.2	9
24	Dangling Octahedra Enable Edge States in 2D Lead Halide Perovskites. Advanced Materials, 2022, 34, e2201666.	11.1	22
25	AgGaGeSe4: An Infrared Nonlinear Quaternary Selenide with Good Performance. Symmetry, 2022, 14, 1426.	1.1	1
26	Deep-ultraviolet nonlinear optical crystals: concept development and materials discovery. Light: Science and Applications, 2022, 11, .	7.7	55
27	Additiveâ€Triggered Polar Polymorph Formation: Î²â€Sc(IO₃)₃, a Promising Nextâ€Generation Midâ€Infrared Nonlinear Optical Material. Angewandte Chemie - International Edition, 2022, 61, .	7.2	18
28	Giant Optical Anisotropy in the UVâ€Transparent 2D Nonlinear Optical Material Sc(IO₃)₂(NO₃). Angewandte Chemie - International Edition, 2021, 60, 3464-3468.	7.2	124
29	Giant Optical Anisotropy in the UVâ€Transparent 2D Nonlinear Optical Material Sc(IO₃)₂(NO₃). Angewandte Chemie, 2021, 133, 3506-3510.	1.6	46
30	Negative area compressibility in silver oxalate. Journal of Materials Science, 2021, 56, 269-277.	1.7	11
31	From AgGaS₂to AgHgPS₄: vacancy defects and highly distorted HgS₄tetrahedra double-induced remarkable second-harmonic generation response. Journal of Materials Chemistry C, 2021, 9, 1062-1068.	2.7	42
32	A New Nonlinear Optical Selenide Crystal AgLiGa₂Se₄ with Good Comprehensive Performance in Midâ€Infrared Region. Advanced Optical Materials, 2021, 9, 2001856.	3.6	28
33	Nonlinear Optical Oxythiophosphate Approaching the Good Balance with Wide Ultraviolet Transparency, Strong Second Harmonic Effect, and Large Birefringence. Angewandte Chemie, 2021, 133, 6456-6460.	1.6	12
34	Nonlinear Optical Oxythiophosphate Approaching the Good Balance with Wide Ultraviolet Transparency, Strong Second Harmonic Effect, and Large Birefringence. Angewandte Chemie - International Edition, 2021, 60, 6386-6390.	7.2	49
35	Nonlinear optical effects in two mercury cyanamide/guanidinium chlorides Hg3(NCN)2Cl2 and Hg2(C(NH2)3)Cl5. Journal of Materials Chemistry C, 2021, 9, 967-974.	2.7	3
36	Negative thermal expansion in one-dimension of a new double sulfate AgHo(SO4)2 with isolated SO4 tetrahedra. Journal of Materials Science and Technology, 2021, 76, 111-121.	5.6	34

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37	In situhydrothermal synthesis of polar second-order nonlinear optical selenate Na₅(SeO₄)(HSeO₄)₃(H₂O)₂. Inorganic Chemistry Frontiers, 2021, 8, 3141-3148.	3.0	11
38	The crystal growth and properties of novel magnetic double molybdate RbFe₅(MoO₄)₇with mixed Fe³⁺/Fe²⁺states and 1D negative thermal expansion. CrystEngComm, 2021, 23, 3297-3307.	1.3	7
39	NaGaI₃O₉F: a new alkali metal gallium iodate combined with IO₃^{â^'} and IO₃F^{2â^'} units. Dalton Transactions, 2021, 50, 11562-11567.	1.6	13
40	First chiral fluorinated lead vanadate selenite Pb₂(V₂O₄F)(VO₂)(SeO₃)₃with five asymmetric motifs and large optical properties. Dalton Transactions, 2021, 50, 7238-7245.	1.6	8
41	Facile syntheses of silver thioantimonates exhibiting second-harmonic generation responses and large birefringence. Dalton Transactions, 2021, 50, 3568-3576.	1.6	7
42	AgBi(SO4)(IO3)2: aliovalent substitution induces structure dimensional upgrade and second harmonic generation enhancement. Chemical Communications, 2021, 57, 3712-3715.	2.2	20
43	BaZnBe₂(BO₃)₂F₂: a novel zinc-beryllium borate with SBBO-type structure overcoming the polymorphism problem. Dalton Transactions, 2021, 50, 2138-2142.	1.6	8
44	Ba₄Ca(B₂O₅)₂F₂: Ï€-conjugation of B₂O₅ in the planar pentagonal layer achieving large second harmonic generation of pyro-borate. Chemical Science, 2021, 12, 13897-13901.	3.7	19
45	Na₃Bi(IO₃)₆: An Alkali-Metal Bismuth Iodate with Intriguing One-Dimensional [BiI₆O₁₈] Chains and Pressure-Induced Structural Transition. Inorganic Chemistry, 2021, 60, 2893-2898.	1.9	10
46	Role of Metalâ€“Chloride Anions in Photoluminescence Regulations for Hybrid Metal Halides. Journal of Physical Chemistry Letters, 2021, 12, 1918-1925.	2.1	27
47	Large Second-Harmonic Response and Giant Birefringence of CeF₂(SO₄) Induced by Highly Polarizable Polyhedra. Journal of the American Chemical Society, 2021, 143, 4138-4142.	6.6	147
48	Regulating Guanidinium-Based Hybrid Materials for Ultraviolet Nonlinear Optical Applications by Hybrid Strength and Hybrid Pattern. Inorganic Chemistry, 2021, 60, 3834-3842.	1.9	16
49	AZn(PO₃)₃ (A = K, Rb): Deep-Ultraviolet Nonlinear Optical Phosphates Derived from Synergy of a Unique [ZnO₆] Octahedron and a [PO₃]_{âˆž} Chain. Crystal Growth and Design, 2021, 21, 2445-2452.	1.4	15
50	Tunable White Light Emission in a Zeroâ€Dimensional Organicâ€“Inorganic Metal Halide Hybrid with Ultraâ€High Color Rendering Index. Advanced Optical Materials, 2021, 9, 2002246.	3.6	41
51	A comprehensive survey on nonlinear optical phosphates: Role of multicoordinate groups. Coordination Chemistry Reviews, 2021, 431, 213692.	9.5	62
52	Large Magnetocaloric Effect in Li₃K₉Gd₃(BO₃)₇ Crystal Featuring Sandwich-Like Three-Dimensional Framework. Inorganic Chemistry, 2021, 60, 6796-6803.	1.9	13
53	A Deepâ€UV Nonlinear Optical Borosulfate with Incommensurate Modulations. Angewandte Chemie, 2021, 133, 11558-11564.	1.6	11
54	Molecular Engineering toward an Enlarged Optical Band Gap in a Bismuth Sulfate via Homovalent Cation Substitution. Inorganic Chemistry, 2021, 60, 5851-5859.	1.9	12

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55	Cd₃(IO₃)(IO₄)F₂·0.1CdO: 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.	1.9	11
56	A Deepâ€UV Nonlinear Optical Borosulfate with Incommensurate Modulations. Angewandte Chemie - International Edition, 2021, 60, 11457-11463.	7.2	37
57	Alloy Engineering of a Polar (Si,Ge)₂N₂O System for Controllable Second Harmonic Performance. Inorganic Chemistry, 2021, 60, 7381-7388.	1.9	5
58	From Centrosymmetry to Noncentrosymmetry: Tailoring the Structural Arrangements of Carbonates with Strong Nonlinear Optical Response through Partial Anion Substitution. Advanced Optical Materials, 2021, 9, 2100594.	3.6	18
59	Excellent performance of a cryogenic Nd:YAlO₃ laser with low wavefront distortion based on zero thermal expansion. Optics Letters, 2021, 46, 2425.	1.7	7
60	UV Solarâ€Blindâ€Region Phaseâ€Matchable Optical Nonlinearity and Anisotropy in a Ï€â€Conjugated Cationâ€Containing Phosphate. Angewandte Chemie, 2021, 133, 14932-14936.	1.6	19
61	Second harmonic generation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mo</mml:mi><mml:msub><mml:mi>Si</mml:mi><mml:mn mathvariant="normal">N</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> -type layers. Physical Review B, 2021, 103, .	1.1	20
62	AXHg₃P₂S₈ (A = Rb, Cs; X = Cl, Br): New Excellent Infrared Nonlinear Optical Materials with Mixedâ€Anion Chalcohalide Groups of Trigonal Planar [HgS₂X]^{3â} and Tetrahedral [HgS₃X]^{5â}. Advanced Optical Materials, 2021, 9, 2100563.	3.6	41
63	LiZn(OH)CO₃: A Deepâ€Ultraviolet Nonlinear Optical Hydroxycarbonate Designed from a Diamondâ€like Structure. Angewandte Chemie - International Edition, 2021, 60, 13574-13578.	7.2	88
64	Innentitelbild: UV Solarâ€Blindâ€Region Phaseâ€Matchable Optical Nonlinearity and Anisotropy in a Ï€â€Conjugated Cationâ€Containing Phosphate (Angew. Chem. 27/2021). Angewandte Chemie, 2021, 133, 14842-14842.	1.6	0
65	UV Solarâ€Blindâ€Region Phaseâ€Matchable Optical Nonlinearity and Anisotropy in a Ï€â€Conjugated Cationâ€Containing Phosphate. Angewandte Chemie - International Edition, 2021, 60, 14806-14810.	7.2	99
66	LiZn(OH)CO 3 : A Deepâ€Ultraviolet Nonlinear Optical Hydroxycarbonate Designed from a Diamondâ€like Structure. Angewandte Chemie, 2021, 133, 13686-13690.	1.6	9
67	CsZrF₄(IO₃): The First Polar Zirconium Iodate with cis-[ZrO₂F₆] Polyhedra Inducing Optimized Balance of Large Band Gap and Second Harmonic Generation. Chemistry of Materials, 2021, 33, 5555-5562.	3.2	29
68	A₂MoO₂F₃(IO₂F₂) (A = Rb,) Tj ETQq0 0 0 rgBT /Overloc Chemistry of Materials, 2021, 33, 5700-5708.	3.2	30
69	Cs2ZnSn3S8: A Sulfide Compound Realizes a Large Birefringence by Modulating the Dimensional Structure. Inorganic Chemistry, 2021, 60, 9248-9253.	1.9	17
70	Deepâ€Ultraviolet Nonlinearâ€Optical vanâ€derâ€Waals Beryllium Borates**. Angewandte Chemie - International Edition, 2021, 60, 16680-16686.	7.2	17
71	Deepâ€Ultraviolet Nonlinearâ€Optical vanâ€derâ€Waals Beryllium Borates**. Angewandte Chemie, 2021, 133, 16816-16822.	1.6	4
72	La2SrB8O16: A new rare earth borate with [B8O20]16â groups exhibiting a deep ultraviolet cutoff edge. Journal of Solid State Chemistry, 2021, 298, 122126.	1.4	5

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73	AZn₄(OH)₄(C₃N₃O₃)₂ (A =) Tj ETQq1 1 0.784314 rgBT Inorganic Chemistry, 2021, 60, 10890-10894.	1.9	4
74	Highly Distorted [HgS₄] Motif-Driven Structural Symmetry Degradation and Strengthened Second-Harmonic Generation Response in the Defect Diamond-Like Chalcogenide Hg₃P₂S₈. ACS Applied Materials & Interfaces, 2021, 13, 37331-37338.	4.0	34
75	Growth, Structure, and Properties of a Multifunctional Crystal Pr2CaB10O19. Inorganic Chemistry, 2021, 60, 10895-10898.	1.9	1
76	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.	3.2	17
77	Non-Ï€-Conjugated Deep-Ultraviolet Nonlinear Optical Crystal K₂Zn₃(SO₄)(HSO₄)₂F₄. Journal of Physical Chemistry Letters, 2021, 12, 8280-8284.	2.1	18
78	Giant Second-Harmonic Generation Response and Large Band Gap in the Partially Fluorinated Mid-Infrared Oxide RbTeMo₂O₈F. Journal of the American Chemical Society, 2021, 143, 12455-12459.	6.6	91
79	A Congruentâ€Melting Midâ€Infrared Nonlinear Optical Vanadate Exhibiting Strong Secondâ€Harmonic Generation. Angewandte Chemie, 2021, 133, 22621-22627.	1.6	11
80	2D van der Waals Layered [C(NH₂)₃]₂SO₃S Exhibits Desirable UV Nonlinear-Optical Trade-Off. Inorganic Chemistry, 2021, 60, 14544-14549.	1.9	18
81	Synthesis and Characterizations of Two Tellurides Î²-BaGa₂Te₄ and Ba₅Ga₂Ge₃Te₁₂ with Flexible Chain Structure. Inorganic Chemistry, 2021, 60, 14793-14802.	1.9	12
82	Novel van der Waals Deepâ€UV Nonlinear Optical Materials. Chemistry - A European Journal, 2021, 27, 17269-17272.	1.7	1
83	A Congruentâ€Melting Midâ€Infrared Nonlinear Optical Vanadate Exhibiting Strong Secondâ€Harmonic Generation. Angewandte Chemie - International Edition, 2021, 60, 22447-22453.	7.2	37
84	Nd2CaB10O19: A potential self-activated and self-frequency-doubling multifunctional crystal. Journal of Solid State Chemistry, 2021, 304, 122558.	1.4	4
85	Rb₃In(SO₄)₃: a defluorinated mixed main-group metal sulfate for ultraviolet transparent nonlinear optical materials with a large optical band gap. Journal of Materials Chemistry C, 2021, 9, 5124-5131.	2.7	16
86	Breaking through the â€œ3.0 eV wallâ€• of energy band gap in mid-infrared nonlinear optical rare earth chalcogenides by charge-transfer engineering. Materials Horizons, 2021, 8, 2330-2334.	6.4	96
87	Strong SHG Responses in a Berylliumâ€Free Deepâ€UVâ€Transparent Hydroxyborate via Covalent Bond Modification. Angewandte Chemie - International Edition, 2021, 60, 27151-27157.	7.2	50
88	Hybrid Metalâ€Halide Infrared Nonlinear Optical Crystals of (TMEDA)MI₅ (M = Sb, Bi) with High Stability. Advanced Optical Materials, 2021, 9, 2101333.	3.6	20
89	Strong SHG Responses in a Berylliumâ€Free Deepâ€UVâ€Transparent Hydroxyborate via Covalent Bond Modification. Angewandte Chemie, 2021, 133, 27357.	1.6	9
90	Ca₃(TeO₃)₂(MO₄) (M = Mo, W): Mid-Infrared Nonlinear Optical Tellurates with Ultrawide Transparency Ranges and Superhigh Laser-Induced Damage Thresholds. Inorganic Chemistry, 2021, 60, 18512-18520.	1.9	16

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91	From CeF₂(SO₄)Â·H₂O to Ce(IO₃)₂(SO₄): Defluorinated Homovalent Substitution for Strong Second-Harmonic-Generation Effect and Sufficient Birefringence. Chemistry of Materials, 2021, 33, 9317-9325.	3.2	23
92	Phonons and low thermal expansion in sodalite zinc borate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Zn</mml:mi><mml:mn>4</mml:mn></mml: mathvariant="normal">B</mml:mi><mml:mn>6</mml:mn></mml:msub><mml:msub><mml:mi>		

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109	CsZn 2 BO 3 X 2 (X 2 =F 2 , Cl 2 , and FCl): A Series of Berylliumâ€Free Deepâ€Ultraviolet Nonlinearâ€Optical Crystals with Excellent Properties. Angewandte Chemie, 2020, 132, 19168-19172.	1.6	28
110	CsZn₂BO₃X₂ (X₂=F₂, Cl₂,) Tj ETQq0 0 0 rgBT /Overlock Properties. Angewandte Chemie - International Edition, 2020, 59, 19006-19010.	7.2	91
111	Evaluation of nonlinear optical properties of quaternary chalcogenide halides Ba4Si3Se9Br2 and Ba4Ge3Se9Br2. Journal of Alloys and Compounds, 2020, 846, 156398.	2.8	11
112	Realizing Tunable White Light Emission in Lead-Free Indium(III) Bromine Hybrid Single Crystals through Antimony(III) Cation Doping. Journal of Physical Chemistry Letters, 2020, 11, 10164-10172.	2.1	70
113	EuHgGeSe₄ and EuHgSnS₄: Two Quaternary Eu-Based Infrared Nonlinear Optical Materials with Strong Second-Harmonic-Generation Responses. Inorganic Chemistry, 2020, 59, 18452-18460.	1.9	26
114	Mechanochemical Synthesis of an Ionic Cocrystal with Large Birefringence Resulting from Neutral Planar Ï€-Conjugated Groups. Crystal Growth and Design, 2020, 20, 7588-7592.	1.4	21
115	Intrinsic Isotropic Near-Zero Thermal Expansion in Zn₄B₆O₁₂X (X) Tj ETQq1 1 0.784314 rgBT	4.0	16
116	Realizing Deep-Ultraviolet Second Harmonic Generation by First-Principles-Guided Materials Exploration in Hydroxyborates. Journal of the American Chemical Society, 2020, 142, 15157-15163.	6.6	66
117	Optimal arrangement of Ï€-conjugated anionic groups in hydro-isocyanurates leads to large optical anisotropy and second-harmonic generation effect. Inorganic Chemistry Frontiers, 2020, 7, 3674-3686.	3.0	24
118	Na4CdGe2S7: A Sodium-Rich Quaternary Wide-Band-Gap Chalcogenide with Two-Dimensional [Ge2CdS7]â^ž Layers. Inorganic Chemistry, 2020, 59, 16132-16136.	1.9	5
119	Two Mixed-Anion Units of [GeOSe₃] and [GeO₃S] Originating from Partial Isovalent Anion Substitution and Inducing Moderate Second Harmonic Generation Response and Large Birefringence. Inorganic Chemistry, 2020, 59, 16716-16724.	1.9	39
120	Nonlinear-Optical Crystal Rb₃YB₆O₁₂ with Condensed B₅O₁₀ Blocks That Exhibits an Intriguing Structural Arrangement and a Short Ultraviolet Absorption Edge. Inorganic Chemistry, 2020, 59, 13029-13033.	1.9	13
121	Selenite bromide nonlinear optical materials Pb₂GaF₂(SeO₃)₂Br and Pb₂NbO₂(SeO₃)₂Br: synthesis and characterization. Dalton Transactions, 2020, 49, 14046-14051.	1.6	12
122	New quaternary chalcogenide Ba4HgAs2S10 originating from the combination of linear [HgS2]2â^' and tetrahedral [AsS4]3â^' modules. Dalton Transactions, 2020, 49, 13060-13065.	1.6	4
123	K₄Cu₃(C₃N₃O₃)₂X (X = Cl,) Tj ETQq1 1 0.784314 rgBT Layered Oxide. Chemistry, 2020, 56, 12534-12537.	2.2	4
124	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>9</mml:mn></mml:msub></mml:mrow></mml:math> with a deep-ultraviolet band gap and a strong and robust second-harmonic generation. Physical Review B, 2	1.1	25
125	Anomalous mechanical materials squeezing three-dimensional volume compressibility into one dimension. Nature Communications, 2020, 11, 5593.	5.8	19
126	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.	1.9	6

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127	Sb³⁺ Dopant and Halogen Substitution Triggered Highly Efficient and Tunable Emission in Lead-Free Metal Halide Single Crystals. Chemistry of Materials, 2020, 32, 5327-5334.	3.2	215
128	Functional Chalcogenide Na2HgSn2Se6 and K2MnGe2Se6 Exhibiting Flexible Chain Structure and Intriguing Birefringence Tunability. Inorganic Chemistry, 2020, 59, 7614-7621.	1.9	13
129	A new non-centrosymmetric Gd-based borate crystal Rb₇SrGd₂(B₅O₁₀)₃: growth, structure, and nonlinear optical and magnetic properties. Dalton Transactions, 2020, 49, 9355-9361.	1.6	12
130	Large nonlinear optical effect in tungsten bronze structuresviaLi/Na cross-substitutions. Chemical Communications, 2020, 56, 8384-8387.	2.2	3
131	Crystal growth, structural characteristics and electronic structure of Ba1-xPbxFe12O19 (xÂ=) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.8	21
132	AGa₃F₆(SeO₃)₂ (A = Rb, Cs): A New Type of Phase-Matchable Hexagonal Tungsten Oxide Material with Strong Second-Harmonic Generation Responses. Chemistry of Materials, 2020, 32, 6906-6915.	3.2	46
133	Helix-constructed polar rare-earth iodate fluoride as a laser nonlinear optical multifunctional material. Chemical Science, 2020, 11, 7396-7400.	3.7	18
134	Deep-ultraviolet nonlinear optical crystals by design: A computer-aided modeling blueprint from first principles. Science China Materials, 2020, 63, 1597-1612.	3.5	33
135	An Exceptional Peroxide Birefringent Material Resulting from dâ€“Ï€ Interactions. Angewandte Chemie, 2020, 132, 9500-9503.	1.6	14
136	An Exceptional Peroxide Birefringent Material Resulting from dâ€“Ï€ Interactions. Angewandte Chemie - International Edition, 2020, 59, 9414-9417.	7.2	60
137	Mixed-metal thiophosphate CuCd₃PS₆: an infrared nonlinear optical material activated by its three-in-one tetrahedra-stacking architecture. Journal of Materials Chemistry C, 2020, 8, 5020-5024.	2.7	24
138	Two New Ferroborates with Threeâ€Dimensional Framework and Wide Transmittance Window. European Journal of Inorganic Chemistry, 2020, 2020, 1676-1682.	1.0	2
139	Synthesis, Crystal Structure, and Optical Properties of the First Alkali Metal Rare-Earth Iodate Fluoride: Li₂Ce(IO₃)₄F₂. Crystal Growth and Design, 2020, 20, 2135-2140.	1.4	15
140	Flower-like cobalt carbide for efficient carbon dioxide conversion. Chemical Communications, 2020, 56, 7849-7852.	2.2	30
141	Hydroisocyanurates X₂Y(H₂C₃N₃O₃)₄Â·4H₂O (X = K, Cs; Y = Zn, Cd) with large birefringence stemming from Ï€-conjugated (H₂C₃N₃O₃)^âanions. CrystEngComm, 2020, 22, 2128-2131.	1.3	19
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