Shilie Pan

List of Publications by Year
in descending order

436	17,369	16398 64	21393 115
papers	citations	h-index	g-index

460	460	460	7790
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Finding the Next Deep-Ultraviolet Nonlinear Optical Material: NH₄B₄O₆F. Journal of the American Chemical Society, 2017, 139, 10645-10648.	14.6	941
2	CsB₄O₆F: A Congruentâ€Melting Deepâ€Ultraviolet Nonlinear Optical Material by Combining Superior Functional Units. Angewandte Chemie - International Edition, 2017, 56, 14119-14123.	14.8	696
3	Borates: A Rich Source for Optical Materials. Chemical Reviews, 2021, 121, 1130-1202.	51.4	619
4	SrB₅O₇F₃ Functionalized with [B₅O₉F₃]^{6â^'} Chromophores: Accelerating the Rational Design of Deepâ€Ultraviolet Nonlinear Optical Materials. Angewandte Chemie - International Edition, 2018, 57, 6095-6099.	14.8	614
5	Cationâ€Tuned Synthesis of Fluorooxoborates: Towards Optimal Deepâ€Ultraviolet Nonlinear Optical Materials. Angewandte Chemie - International Edition, 2018, 57, 2150-2154.	14.8	556
6	Polar Fluorooxoborate, NaB₄O₆F: A Promising Material for Ionic Conduction and Nonlinear Optics. Angewandte Chemie - International Edition, 2018, 57, 6577-6581.	14.8	387
7	Designing an Excellent Deep-Ultraviolet Birefringent Material for Light Polarization. Journal of the American Chemical Society, 2018, 140, 16311-16319.	14.6	381
8	Ba3Mg3(BO3)3F3 polymorphs with reversible phase transition and high performances as ultraviolet nonlinear optical materials. Nature Communications, 2018, 9, 3089.	13.2	341
9	Targeting the Next Generation of Deep-Ultraviolet Nonlinear Optical Materials: Expanding from Borates to Borate Fluorides to Fluorooxoborates. Accounts of Chemical Research, 2019, 52, 791-801.	16.6	335
10	Emergent Deepâ€Ultraviolet Nonlinear Optical Candidates. Angewandte Chemie - International Edition, 2020, 59, 20302-20317.	14.8	219
11	New Compressed Chalcopyrite-like Li₂BaM^{IV}Q₄ (M^{IV} =) Tj ETQq1 1 0.784314 rgBT Society, 2017, 139, 14885-14888.	14.6	212
12	Expanding Frontiers of Ultraviolet Nonlinear Optical Materials with Fluorophosphates. Chemistry of Materials, 2018, 30, 5397-5403.	7.1	206
13	Chemical Cosubstitution-Oriented Design of Rare-Earth Borates as Potential Ultraviolet Nonlinear Optical Materials. Journal of the American Chemical Society, 2017, 139, 18397-18405.	14.6	202
14	A metalâ€“organic framework derived hierarchical nickelâ€“cobalt sulfide nanosheet array on Ni foam with enhanced electrochemical performance for supercapacitors. Dalton Transactions, 2018, 47, 3496-3502.	3.4	201
15	Rational Design via Synergistic Combination Leads to an Outstanding Deep-Ultraviolet Birefringent Li₂Na₂B₂O₅ Material with an Unvalued B₂O₅ Functional Gene. Journal of the American Chemical Society, 2019, 141, 3258-3264.	14.6	196
16	Sn₂B₅O₉Cl: A Material with Large Birefringence Enhancement Activated Prepared via Alkalineâ€Earthâ€Metal Substitution by Tin. Angewandte Chemie - International Edition, 2019, 58, 17675-17678.	14.8	194
17	Achieving the full-wavelength phase-matching for efficient nonlinear optical frequency conversion in C(NH2)3BF4. Nature Photonics, 2023, 17, 694-701.	23.1	175
18	CsB₄O₆F: A Congruentâ€Melting Deepâ€Ultraviolet Nonlinear Optical Material by Combining Superior Functional Units. Angewandte Chemie, 2017, 129, 14307-14311.	2.1	169

#	Article	IF	Citations
19	Enhancing optical anisotropy of crystals by optimizing bonding electron distribution in anionic groups. Chemical Communications, 2017, 53, 2818-2821.	4.2	168
20	CaB₅O₇F₃: A Beryllium-Free Alkaline-Earth Fluorooxoborate Exhibiting Excellent Nonlinear Optical Performances. Inorganic Chemistry, 2018, 57, 4820-4823.	4.2	146
21	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.	14.8	145
22	Module-Guided Design Scheme for Deep-Ultraviolet Nonlinear Optical Materials. Journal of the American Chemical Society, 2018, 140, 10726-10733.	14.6	144
23	Modified cosmology from extended entropy with varying exponent. European Physical Journal C, 2019, 79, 1.	4.0	142
24	Facile Access to an Active Î³â€NiOOH Electrocatalyst for Durable Water Oxidation Derived From an Intermetallic Nickel Germanide Precursor. Angewandte Chemie - International Edition, 2021, 60, 4640-4647.	14.8	142
25	Strong Nonlinearity Induced by Coaxial Alignment of Polar Chain and Dense [BO₃] Units in CaZn₂(BO₃)₂. Angewandte Chemie - International Edition, 2022, 61, .	14.8	134
26	Cationâ€Tuned Synthesis of Fluorooxoborates: Towards Optimal Deepâ€Ultraviolet Nonlinear Optical Materials. Angewandte Chemie, 2018, 130, 2172-2176.	2.1	133
27	Î±â€SnF₂: A UV Birefringent Material with Large Birefringence and Easy Crystal Growth. Angewandte Chemie - International Edition, 2021, 60, 3540-3544.	14.8	130
28	Exome sequencing identifies MRPL3 mutation in mitochondrial cardiomyopathy. Human Mutation, 2011, 32, 1225-1231.	2.8	128
29	A Selfâ€Powered Dynamic Displacement Monitoring System Based on Triboelectric Accelerometer. Advanced Energy Materials, 2017, 7, 1700565.	22.2	125
30	Discovery of First Magnesium Fluorooxoborate with Stable Fluorine Terminated Framework for Deepâ€UV Nonlinear Optical Application. Angewandte Chemie - International Edition, 2021, 60, 14650-14656.	14.8	122
31	Sn₂PO₄I: An Excellent Birefringent Material with Giant Optical Anisotropy in Non Ï€â€Conjugated Phosphate. Angewandte Chemie - International Edition, 2021, 60, 24901-24904.	14.8	121
32	Expanding the chemistry of borates with functional [BO2]â¯ anions. Nature Communications, 2021, 12, 2597.	13.2	118
33	CsAlB₃O₆F: a beryllium-free deep-ultraviolet nonlinear optical material with enhanced thermal stability. Chemical Science, 2020, 11, 694-698.	7.8	115
34	Bi₃OF₃(IO₃)₄: Metal Oxyiodate Fluoride Featuring a Carbon-Nanotube-like Topological Structure with Large Second Harmonic Generation Response. Chemistry of Materials, 2017, 29, 945-949.	7.1	113
35	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.	14.8	109
36	SrB₅O₇F₃ Functionalized with [B₅O₉F₃]^{6â¯} Chromophores: Accelerating the Rational Design of Deepâ€Ultraviolet Nonlinear Optical Materials. Angewandte Chemie, 2018, 130, 6203-6207.	2.1	108

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37	Second Harmonic Generation Susceptibilities from Symmetry Adapted Wannier Functions. Physical Review Letters, 2020, 125, 187402.	8.0	107
38	The first quaternary diamond-like semiconductor with 10-membered LiS₄rings exhibiting excellent nonlinear optical performances. Chemical Communications, 2017, 53, 3010-3013.	4.2	98
39	Na₂B₆O₉F₂: A Fluoroborate with Short Cutoff Edge and Deep-Ultraviolet Birefringent Property Prepared by an Open High-Temperature Solution Method. Inorganic Chemistry, 2017, 56, 344-350.	4.2	96
40	PbB₅O₇F₃: A High-Performing Short-Wavelength Nonlinear Optical Material. Chemistry of Materials, 2020, 32, 2172-2179.	7.1	93
41	Fluorineâ€Driven Enhancement of Birefringence in the Fluorooxosulfate: A Deep Evaluation from a Joint Experimental and Computational Study. Advanced Science, 2021, 8, e2003594.	12.4	93
42	Module-Analysis-Assisted Design of Deep Ultraviolet Fluorooxoborates with Extremely Large Gap and High Structural Stability. Chemistry of Materials, 2019, 31, 2807-2813.	7.1	92
43	Series of Crystals with Giant Optical Anisotropy: A Targeted Strategic Research. Angewandte Chemie - International Edition, 2021, 60, 1332-1338.	14.8	92
44	Toward the Enhancement of Critical Performance for Deep-Ultraviolet Frequency-Doubling Crystals Utilizing Covalent Tetrahedra. Accounts of Materials Research, 2021, 2, 282-291.	13.2	92
45	Deep-Ultraviolet Nonlinear-Optical Material K₃Sr₃Li₂Al₄B₆O₂₀F: Addressing the Structural Instability Problem in KBe₂BO₃F₂. Inorganic Chemistry, 2017, 56, 8755-8758.	4.2	90
46	Guanidinium Fluorooxoborates as Efficient Metal-free Short-Wavelength Nonlinear Optical Crystals. Chemistry of Materials, 2022, 34, 440-450.	7.1	88
47	Doubleâ€Modification Oriented Design of a Deepâ€UV Birefringent Crystal Functionalized by [B₁₂O₁₆F₄(OH)₄] Clusters. Angewandte Chemie - International Edition, 2022, 61, .	14.8	88
48	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.	7.1	86
49	Fluorooxoborates: Ushering in a New Era of Deep Ultraviolet Nonlinear Optical Materials. Chemistry - A European Journal, 2018, 24, 17638-17650.	3.9	85
50	Enhancement of Birefringence in Borophosphate Pushing Phase-Matching into the Short-Wavelength Region. Journal of the American Chemical Society, 2022, 144, 9083-9090.	14.6	83
51	Advantageous Units in Antimony Sulfides: Exploration and Design of Infrared Nonlinear Optical Materials. ACS Applied Materials & Interfaces, 2018, 10, 26413-26421.	8.3	81
52	Er³⁺-Activated NaLaMgWO₆ double perovskite phosphors and their bifunctional application in solid-state lighting and non-contact optical thermometry. Dalton Transactions, 2019, 48, 4405-4412.	3.4	79
53	A Molecular Chameleon for Mapping Subcellular Polarity in an Unfolded Proteome Environment. Angewandte Chemie - International Edition, 2020, 59, 10129-10135.	14.8	79
54	A Series of Rare-Earth Borates K₇MRE₂B₁₅O₃₀ (M =) Tj ETQq0 0 0 rgBT /Overlock 1 Materials, 2018, 30, 2414-2423.	7.1	78

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55	Three-in-one type fluorescent sensor based on a pyrene pyridoxal cascade for the selective detection of Zn(<scp>ii</scp>), hydrogen phosphate and cysteine. Dalton Transactions, 2018, 47, 742-749.	3.4	77
56	Functional Materials Design via Structural Regulation Originated from Ions Introduction: A Study Case in Cesium Iodate System. Chemistry of Materials, 2018, 30, 1136-1145.	7.1	75
57	Prediction of Fluorooxoborates with Colossal Second Harmonic Generation (SHG) Coefficients and Extremely Wide Band Gaps: Towards Modulating Properties by Tuning the BO₃/BO₃F Ratio in Layers. Angewandte Chemie - International Edition, 2019, 58, 11726-11730.	14.8	75
58	BaB₂S₄: An Efficient and Air-Stable Thioborate as Infrared Nonlinear Optical Material with High Laser Damage Threshold. Chemistry of Materials, 2018, 30, 7428-7432.	7.1	73
59	A^IB₃^{II}C₃^{III}Q₈^{VI}: A New Family for the Design of Infrared Nonlinear Optical Materials by Coupling Octahedra and Tetrahedra Units. Journal of the American Chemical Society, 2022, 144, 21916-21925.	14.6	73
60	The first lead fluorooxoborate PbB₅O₈F: achieving the coexistence of large birefringence and deep-ultraviolet cut-off edge. Chemical Communications, 2018, 54, 6308-6311.	4.2	72
61	Na₂CdGe₂Q₆ (Q = S, Se): two metal-mixed chalcogenides with phase-matching abilities and large second-harmonic generation responses. Dalton Transactions, 2017, 46, 2778-2784.	3.4	71
62	Role of Pyridinic Nitrogen in the Mechanism of the Oxygen Reduction Reaction on Carbon Electrocatalysts. Angewandte Chemie - International Edition, 2021, 60, 5121-5124.	14.8	71
63	A review on the recently developed promising infrared nonlinear optical materials. Dalton Transactions, 2021, 50, 3155-3160.	3.4	68
64	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, .	16.5	67
65	Synthesis of layer-like Ni(OH)₂ decorated ZnIn₂S₄ sub-microspheres with enhanced visible-light photocatalytic hydrogen production activity. Dalton Transactions, 2017, 46, 10620-10629.	3.4	66
66	Polar Fluorooxoborate, NaB₄O₆F: A Promising Material for Ionic Conduction and Nonlinear Optics. Angewandte Chemie, 2018, 130, 6687-6691.	2.1	66
67	A₂SrM^{IV}S₄ (A = Li, Na; M^{IV} = Ge, Sn) concurrently exhibiting wide bandgaps and good nonlinear optical responses as new potential infrared nonlinear optical materials. Chemical Science, 2019, 10, 3963-3968.	7.8	65
68	Diseaseâ€Associated Tau Phosphorylation Hinders Tubulin Assembly within Tau Condensates. Angewandte Chemie - International Edition, 2021, 60, 726-730.	14.8	64
69	Sn₂B₅O₉Br as an Outstanding Bifunctional Material with Strong Secondâ€Harmonic Generation Effect and Large Birefringence. Advanced Optical Materials, 2021, 9, 2001734.	7.9	63
70	Cost-effectiveness analysis of anastrozole versus tamoxifen as primary adjuvant therapy for postmenopausal women with early breast cancer: a US healthcare system perspective. The 5-year completed treatment analysis of the ATAC (â€˜Arimidexâ€™, Tamoxifen Alone or in Combination) trial. Breast Cancer Research and Treatment, 2007, 106, 229-238.	2.5	61
71	Two Polar Molybdenum(VI) Iodates(V) with Large Second-Harmonic Generation Responses. Chemistry of Materials, 2019, 31, 2992-3000.	7.1	61
72	Selfâ€Healing Titanium Dioxide Nanocapsulesâ€Graphene/Multiâ€Branched Polyurethane Hybrid Flexible Film with Multifunctional Properties toward Wearable Electronics. Advanced Functional Materials, 2021, 31, 2011133.	16.5	60

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73	Nontoxic KBBF Family Member Zn₂BO₃(OH): Balance between Beneficial Layered Structure and Layer Tendency. Advanced Science, 2019, 6, 1901679.	12.4	59
74	Oxyhalides: prospecting ore for optical functional materials with large laser damage thresholds. Journal of Materials Chemistry C, 2018, 6, 2435-2442.	5.6	58
75	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.	12.4	58
76	A Very Short Uranium(IV)â€“Rhodium(I) Bond with Net Doubleâ€Dative Bonding Character. Angewandte Chemie - International Edition, 2018, 57, 6587-6591.	14.8	57
77	Highly selective electroreduction of nitrate to ammonia on a Ru-doped tetragonal Co₂P monolayer with low-limiting overpotential. Catalysis Science and Technology, 2021, 11, 7160-7170.	4.2	56
78	Achieving Shortâ€Wavelength Phaseâ€Matching Second Harmonic Generation in Boronâ€Rich Borosulfate with Planar [BO₃] Units. Angewandte Chemie - International Edition, 2022, 61, .	14.8	56
79	Effect of Element Substitution on Structural Transformation and Optical Performances in I₂BaM^{IV}Q₄ (I = Li, Na, Cu, and Ag; M^{IV} =) Tj ETQq1 1 0.784314 rgBT	4.2	53
80	BaB8O12F2: a promising deep-UV birefringent material. Inorganic Chemistry Frontiers, 2019, 6, 546-549.	6.0	50
81	BaCu₂M^{IV}Q₄(M^{IV}= Si, Ge, and Sn; Q = S, Se): synthesis, crystal structures, optical performances and theoretical calculations. RSC Advances, 2017, 7, 29378-29385.	3.7	49
82	Designing Deepâ€UV Birefringent Crystals by Cation Regulation. Chemistry - A European Journal, 2018, 24, 11267-11272.	3.9	48
83	Ce(IO₃)₂F₂â‹…H₂O: The First Rareâ€Earthâ€Metal Iodate Fluoride with Large Second Harmonic Generation Response. Chemistry - A European Journal, 2019, 25, 1221-1226.	3.9	48
84	Peers, Predators, and Porn: Predicting Parental Underestimation of Children's Risky Online Experiences. Journal of Computer-Mediated Communication, 2014, 19, 215-231.	3.6	47
85	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.	4.2	47
86	Exploring Short-Wavelength Phase-Matching Nonlinear Optical Crystals by Employing KBe₂BO₃F₂ as the Template. ACS Central Science, 2022, 8, 1557-1564.	12.3	47
87	Protein-bound Vaccinium fruit polyphenols decrease IgE binding to peanut allergens and RBL-2H3 mast cell degranulation in vitro. Food and Function, 2017, 8, 1611-1621.	4.6	46
88	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.	7.1	46
89	The influence of an external magnetic field and magnetic-site dilution on the magnetization dynamics of a coordination network based on ferromagnetic coupled dinuclear dysprosium(<scp>iii</scp>) units. Inorganic Chemistry Frontiers, 2018, 5, 432-437.	6.0	45
90	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, .	14.8	45

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91	NaRb₆(B₄O₅(OH)₄)₃(BO₂) Featuring Noncentrosymmetry, Chirality, and the Linear Anionic Group BO₂^{â€“}. Journal of the American Chemical Society, 2023, 145, 4928-4933.	14.6	45
92	White Matter Injury Following Prolonged Free Radical Formation in the 0.65 Gestation Fetal Sheep Brain. Pediatric Research, 2005, 58, 100-105.	2.4	44
93	A Fluorooxosilicophosphate with an Unprecedented SiO₂F₄ Species. Angewandte Chemie - International Edition, 2018, 57, 9828-9832.	14.8	44
94	Rb₂CdSi₄S₁₀: novel [Si₄S₁₀] T2-supertetrahedra-contained infrared nonlinear optical material with large band gap. Materials Horizons, 2023, 10, 619-624.	12.8	43
95	Li₄Na₂CsB₇O₁₄: a new edge-sharing [BO₄]^{5â^’} tetrahedra containing borate with high anisotropic thermal expansion. Chemical Communications, 2019, 55, 1295-1298.	4.2	42
96	ZnIO₃F: Zinc Iodate Fluoride with Large Birefringence and Wide Band Gap. Inorganic Chemistry, 2020, 59, 4172-4175.	4.2	42
97	Engineering Proteins at Interfaces: From Complementary Characterization to Material Surfaces with Designed Functions. Angewandte Chemie - International Edition, 2018, 57, 12626-12648.	14.8	41
98	Breaking the Inherent Interarrangement of [B₃O₆] Clusters for Nonlinear Optics with Orbital Hybridization Enhancement. Journal of the American Chemical Society, 2023, 145, 24401-24407.	14.6	41
99	Different natures of surface electronic transitions of carbon nanoparticles. Physical Chemistry Chemical Physics, 2017, 19, 22670-22677.	2.9	40
100	Neue Kandidaten fÃ¼r die nichtlineare Optik im Tiefâ€UVâ€Bereich. Angewandte Chemie, 2020, 132, 20480-20496.	2.1	40
101	[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.	5.6	39
102	Top-Seeded Solution Crystal Growth and Linear and Nonlinear Optical Properties of Ba₄B₁₁O₂₀F. Crystal Growth and Design, 2017, 17, 1404-1410.	3.2	38
103	K 3 B 6 O 9 F 3 : A New Fluorooxoborate with Four Different Anionic Units. Chemistry - A European Journal, 2018, 24, 4497-4502.	3.9	38
104	N-Sulfonyl acetylketenimine as a highly reactive intermediate for the synthesis of N-sulfonyl amidines. Chemical Communications, 2018, 54, 8222-8225.	4.2	38
105	Notably enhanced thermoelectric properties of lamellar polypyrrole by doping with Î²-naphthalene sulfonic acid. RSC Advances, 2017, 7, 20192-20200.	3.7	36
106	Li₂ZnGeS₄: a promising diamond-like infrared nonlinear optical material with high laser damage threshold and outstanding second-harmonic generation response. Dalton Transactions, 2019, 48, 4484-4488.	3.4	36
107	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.	7.1	36
108	Diagnostic Discordance, Health Information Exchange, and Inter-Hospital Transfer Outcomes: a Population Study. Journal of General Internal Medicine, 2018, 33, 1447-1453.	2.7	35

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109	ABaSbQ₃ (A = Li, Na; Q = S, Se): diverse arrangement modes of isolated SbQ₃ ligands regulating the magnitudes of birefringences. Chemical Communications, 2019, 55, 5143-5146.	4.2	35
110	A review on the development of infrared nonlinear optical materials with triangular anionic groups. Journal of Solid State Chemistry, 2019, 271, 266-272.	3.0	35
111	Alignment of Polar Moieties Leading to Strong Second Harmonic Response in KCsMoP₂O₉. Chemistry of Materials, 2020, 32, 3297-3303.	7.1	35
112	A₃Sr₂P₇O₂₁ (A = Rb, Cs): Two Polyphosphates Based on Different Types of Pâ€“O Chains and Ring Structures. Inorganic Chemistry, 2017, 56, 3939-3945.	4.2	34
113	Targetâ€Driven Design of Deepâ€UV Nonlinear Optical Materials via Interpretable Machine Learning. Advanced Materials, 2023, 35, .	24.3	34
114	BaB₂O₃F₂: A Barium Fluorooxoborate with a Unique [B₂O₃F]^{â^'} Layer and Short Cutoff Edge. Chemistry - A European Journal, 2019, 25, 6693-6697.	3.9	33
115	Computer-Assisted Design of a Superior Be₂BO₃F Deep-Ultraviolet Nonlinear-Optical Material. Inorganic Chemistry, 2018, 57, 5716-5719.	4.2	32
116	Experimental characterization and first principles calculations of linear and nonlinear optical properties of two orthophosphates A₃Al₂(PO₄)₃(A =) Tj ETQq0 0 0 rgBT /Overlock	6.0	32
117	Computationally assisted multistage design and prediction driving the discovery of deep-ultraviolet nonlinear optical materials. Materials Chemistry Frontiers, 2021, 5, 3507-3523.	5.9	32
118	Aluminoborates as Nonlinear Optical Materials. Angewandte Chemie - International Edition, 2023, 62, .	14.8	32
119	BaBOF₃: a new aurivillius-like borate containing two types of F atoms. Dalton Transactions, 2018, 47, 5157-5160.	3.4	31
120	MBaYB₆O₁₂(M = Rb, Cs): two new rare-earth borates with large birefringence and short ultraviolet cutoff edges. Dalton Transactions, 2018, 47, 750-757.	3.4	31
121	From LiB₃O₅ to NaRbB₆O₉F₂: Fluorineâ€Directed Evolution of Structural Chemistry. Chemistry - A European Journal, 2018, 24, 10022-10027.	3.9	31
122	Prediction and Characterization of NaGaS₂, A High Thermal Conductivity Mid-Infrared Nonlinear Optical Material for High-Power Laser Frequency Conversion. Inorganic Chemistry, 2019, 58, 93-98.	4.2	31
123	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.	8.3	31
124	Nâ€Substituted Hydrazones by Manganeseâ€Catalyzed Coupling of Alcohols with Hydrazine: Borrowing Hydrogen and Acceptorless Dehydrogenation in One System. Angewandte Chemie, 2018, 130, 2201-2204.	2.1	30
125	Ureas as safe carbonyl sources for the synthesis of carbamates with deep eutectic solvents (DESs) as efficient and recyclable solvent/catalyst systems. New Journal of Chemistry, 2018, 42, 13249-13255.	2.7	30
126	Enhanced intrinsic saturation magnetization of Zn_xCo_{1â^'x}Fe₂O₄ nanocrystallites with metastable spinel inversion. Materials Chemistry Frontiers, 2019, 3, 668-679.	5.9	30

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127	RbB₃O₄F₂: a rubidium fluorooxoborate with an unprecedented [B₃O₅F₂]^{3â¯} functionalized unit and a large birefringence. Chemical Communications, 2020, 56, 15333-15336.	4.2	30
128	Yb:GdScO₃ crystal for efficient ultrashort pulse lasers. Optics Letters, 2021, 46, 3641.	3.3	30
129	Three Mixed-Alkaline Borates: Na₂M₂B₂₀O₃₂ (M = Rb,) Tj ETQq1 1 0.784314 rgBT Li₄Cs₄B₄₀O₆₄ with Fundamental Building Block B₄₀O₇₇. Inorganic Chemistry, 2017, 56, 13456-13463.	4.2	29
130	Bridgeâ€Caging Strategy in Phosphorusâ€Substituted Rhodamine for Modular Development of Nearâ€Infrared Fluorescent Probes. Chemistry - A European Journal, 2018, 24, 14506-14512.	3.9	29
131	Sn₂B₅O₉Cl: A Material with Large Birefringence Enhancement Activated Prepared via Alkalineâ€Earthâ€Metal Substitution by Tin. Angewandte Chemie, 2019, 131, 17839-17842.	2.1	29
132	Î²â€²CsB₉O₁₄: A Tripleâ€Layered Borate with Edgeâ€Sharing BO₄ Tetrahedra Exhibiting a Short Cutoff Edge and a Large Birefringence. Chemistry - A European Journal, 2019, 25, 11614-11619.	3.9	29
133	Targeted filling of silica in Nafion by a modified in situ solâ€“gel method for enhanced fuel cell performance at elevated temperatures and low humidity. Chemical Communications, 2019, 55, 5499-5502.	4.2	29
134	Prediction of Novel van der Waals Boron Oxides with Superior Deepâ€Ultraviolet Nonlinear Optical Performance. Angewandte Chemie - International Edition, 2021, 60, 10791-10797.	14.8	29
135	Na₈MB₂₁O₃₆ (M = Rb and Cs): Noncentrosymmetric Borates with Unprecedented [B₂₁O₃₆]^{9â€“} Fundamental Building Blocks. Inorganic Chemistry, 2017, 56, 5506-5509.	4.2	28
136	Na₆Zn₃MIII2Q₉ (M^{III} = Ga, In; Q = S, Se): four new supertetrahedron-layered chalcogenides with unprecedented vertex-sharing T₃-clusters and desirable photoluminescence performances. Inorganic Chemistry Frontiers, 2018, 5, 1415-1422.	6.0	28
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