Chen-Sheng Lin

List of Publications by Year
in descending order

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177	6,413	76326	82547
papers	citations	40 h-index	72 g-index

195	195	195	3506
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pb₂BO₃Cl: A Tailorâ€Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. Angewandte Chemie - International Edition, 2016, 55, 12078-12082.	13.8	315
2	A Strong Second-Harmonic Generation Material Cd₄BiO(BO₃)₃ Originating from 3-Chromophore Asymmetric Structures. Journal of the American Chemical Society, 2010, 132, 1508-1509.	13.7	282
3	CsPbCO₃F: A Strong Second-Harmonic Generation Material Derived from Enhancement via pâ^Ï€ Interaction. Journal of the American Chemical Society, 2013, 135, 18560-18566.	13.7	242
4	NH₄Be₂BO₃F₂ and Î³â€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
5	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
6	Electronâ€Transfer Photochromism To Switch Bulk Secondâ€Order Nonlinear Optical Properties with High Contrast. Angewandte Chemie - International Edition, 2014, 53, 11529-11531.	13.8	157
7	Evolution of Luminescent Supramolecular Lanthanide M_{2n}L_{3n} Complexes from Helicates and Tetrahedra to Cubes. Journal of the American Chemical Society, 2017, 139, 8237-8244.	13.7	152
8	High-Performance and Long-Lived Pd Nanocatalyst Directed by Shape Effect for CO Oxidative Coupling to Dimethyl Oxalate. ACS Catalysis, 2013, 3, 118-122.	11.2	138
9	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
10	Intraligand Charge Transfer Sensitization on Self-Assembled Europium Tetrahedral Cage Leads to Dual-Selective Luminescent Sensing toward Anion and Cation. Journal of the American Chemical Society, 2017, 139, 12474-12479.	13.7	128
11	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
12	Pb₂BO₃Cl: A Tailorâ€Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. Angewandte Chemie, 2016, 128, 12257-12261.	2.0	119
13	SHG Materials SnGa₄Q₇ (Q = S, Se) Appearing with Large Conversion Efficiencies, High Damage Thresholds, and Wide Transparencies in the Mid-Infrared Region. Chemistry of Materials, 2014, 26, 2743-2749.	6.7	118
14	PbGa₂MSe₆ (M = Si, Ge): Two Exceptional Infrared Nonlinear Optical Crystals. Chemistry of Materials, 2015, 27, 914-922.	6.7	110
15	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
16	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
17	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
18	Ba₈Sn₄S₁₅: A Strong Second Harmonic Generation Sulfide with Zero-Dimensional Crystal Structure. Chemistry of Materials, 2014, 26, 1093-1099.	6.7	92

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19	Syntheses and Characterization of New Mid-Infrared Transparency Compounds: Centric Ba₂BiGaS₅ and Acentric Ba₂BiInS₅. Inorganic Chemistry, 2011, 50, 5679-5686.	4.0	90
20	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
21	Superpolyhedron-Built Second Harmonic Generation Materials Exhibit Large Mid-Infrared Conversion Efficiencies and High Laser-Induced Damage Thresholds. Chemistry of Materials, 2017, 29, 1796-1804.	6.7	84
22	Reinvestigation of Hydrogen Bond Effects on the Polarizability and Hyperpolarizability of Urea Molecular Clusters. Journal of Physical Chemistry B, 2002, 106, 8954-8958.	2.6	79
23	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
24	Highly efficient cuprous complexes with thermally activated delayed fluorescence and simplified solution process OLEDs using the ligand as host. Journal of Materials Chemistry C, 2015, 3, 1187-1195.	5.5	76
25	Thermoelectric properties of two-dimensional selenene and tellurene from group-VI elements. Physical Chemistry Chemical Physics, 2018, 20, 24250-24256.	2.8	73
26	(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
27	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
28	A Luminescent Metalâ€“Organic Framework Thermometer with Intrinsic Dual Emission from Organic Lumophores. Chemistry - A European Journal, 2016, 22, 4460-4468.	3.3	66
29	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
30	Rb2Na(NO3)3: A Congruently Melting UV-NLO Crystal with a Very Strong Second-Harmonic Generation Response. Crystals, 2016, 6, 42.	2.2	65
31	NH₄Be₂BO₃F₂ and Î³â€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
32	Remarkable second-order optical nonlinearity of nano-sized Au20 cluster: a TDDFT study. Chemical Physics Letters, 2004, 388, 353-357.	2.6	59
33	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
34	Na₄La₂(CO₃)₅ and CsNa₅Ca₅(CO₃)₈: Two New Carbonates as UV Nonlinear Optical Materials. Inorganic Chemistry, 2014, 53, 8098-8104.	4.0	58
35	Syntheses, Characterization, and Optical Properties of Ternary Baâ€“Snâ€“S System Compounds: Acentric Ba₇Sn₅S₁₅, Centric BaSn₂S₅, and Centric Ba₆Sn₇S₂₀. Inorganic Chemistry, 2013, 52, 273-279.	4.0	56
36	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

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37	An Unusually Delocalized Mixedâ€Valence State of a Cyanidometalâ€Bridged Compound Induced by Thermal Electron Transfer. Angewandte Chemie - International Edition, 2017, 56, 1605-1609.	13.8	47
38	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
39	AMgPO₄Â·6H₂O (A = Rb, Cs): strong SHG responses originated from orderly PO₄groups. Journal of Materials Chemistry C, 2016, 4, 9219-9226.	5.5	44
40	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
41	Two-dimensional metal-organic coordination networks of Mn-7,7,8,8-tetracyanoquinodimethane assembled on Cu(100): Structural, electronic, and magnetic properties. Physical Review B, 2009, 80, .	3.2	41
42	Sodiumâ€“rare earth carbonates with shorite structure and large second harmonic generation response. CrystEngComm, 2014, 16, 4414.	2.6	41
43	Theoretical studies on the nonlinear optical susceptibilities of 3-methoxy-4-hydroxy-benzaldehyde crystal. Chemical Physics Letters, 2000, 321, 83-88.	2.6	39
44	Influence of Central Metalloligand Geometry on Electronic Communication between Metals: Syntheses, Crystal Structures, MMCT Properties of Isomeric Cyanidoâ€Bridged Fe₂Ru Complexes, and TDDFT Calculations. Chemistry - A European Journal, 2014, 20, 7025-7036.	3.3	39
45	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
46	Density Functional Theory Simulations of Structures and Properties for Ag-Doped ZnO Nanotubes. Journal of Physical Chemistry C, 2011, 115, 2907-2913.	3.1	37
47	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
48	Electronic Structures and Nonlinear Optical Properties of Trinuclear Transition Metal Clusters Mâ€²(Î¼-S)â€²Mâ€˜ (M = Mo, W; Mâ€˜ = Cu, Ag, Au). Inorganic Chemistry, 2003, 42, 532-540.	4.0	34
49	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
50	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
51	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
52	Syntheses and Magnetic Properties Study of Isostructural BiM₂BP₂O₁₀ (M = Co, Ni) Containing a Quasi-1D Linear Chain Structure. Inorganic Chemistry, 2012, 51, 8842-8847.	4.0	32
53	BaBi(SeO₃)₂Cl: a new polar material showing high second-harmonic generation efficiency enhanced by constructive alignment of chloride ions. Journal of Materials Chemistry C, 2015, 3, 12290-12296.	5.5	32
54	Lone electron-pair enhancement of SHG responses in eulytite-type compounds: A^{II}₃M^{III}(PO₄)₃ (A = Pb, M = Bi; A = Ba, M =) Tj ET Q q 0 0 0 rg BT /Overlo	3.0	31

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55	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
56	PbGa₂GeS₆: An Infrared Nonlinear Optical Material Synthesized by an Intermediate-Temperature Self-Fluxing Method. Crystal Growth and Design, 2018, 18, 1162-1167.	3.0	30
57	A(H₃C₃N₃O₃)(NO₃) (A = K, Rb): Alkali-Metal Nitrate Isocyanurates with Strong Optical Anisotropy. Inorganic Chemistry, 2020, 59, 10361-10367.	4.0	30
58	Syntheses and Characterizations of Cs2Cr3(BP4O14)(P4O13) and CsFe(BP3O11) Compounds with Novel Borophosphate Anionic Partial Structures. Inorganic Chemistry, 2010, 49, 2550-2556.	4.0	29
59	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
60	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
61	Y₂(CO₃)₃·H₂O and (NH₄)₂Ca₂Y₄(CO₃)₉·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
62	Structural Analysis and Electronic Properties of Negatively Charged TCNQ: 2D Networks of (TCNQ)2Mn Assembled on Cu(100). Journal of Physical Chemistry C, 2010, 114, 17197-17204.	3.1	28
63	Lanthanum Lead Oxide Hydroxide Nitrates with a Nonlinear Optical Effect. Inorganic Chemistry, 2014, 53, 12584-12589.	4.0	28
64	Bi₂Te(IO₃)O₅Cl: a novel polar iodate oxychloride exhibiting a second-order nonlinear optical response. Dalton Transactions, 2015, 44, 2469-2475.	3.3	28
65	K2[B3O3(OH)5]: A new deep-UV nonlinear optical crystal with isolated [B3O3(OH)5]2- anionic groups. Journal of Alloys and Compounds, 2018, 735, 677-683.	5.5	28
66	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
67	[C(NH2)3]3PO4·2H2O: 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
68	Manipulating Localized Molecular Orbitals by Single-Atom Contacts. Physical Review Letters, 2010, 105, 126801.	7.8	26
69	Explorations of new UV nonlinear optical materials in the Na₂CO₃–CaCO₃system. Journal of Materials Chemistry C, 2017, 5, 8758-8764.	5.5	25
70	From centrosymmetric to noncentrosymmetric: intriguing structure evolution in d¹⁰-transition metal iodate fluorides. Chemical Communications, 2020, 56, 10734-10737.	4.1	25
71	Planar tetra-coordinate carbon resulting in enhanced third-order nonlinear optical response of metal-terminated graphene nanoribbons. Journal of Materials Chemistry, 2012, 22, 11303.	6.7	24
72	RE(H2C3N3O3)2·(OH)·xH2O (RE = La, Y and Gd): potential UV birefringent materials with strong optical anisotropy originating from the (H2C3N3O3)– group. Dalton Transactions, 2019, 48, 12296-12302.	3.3	24

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73	Reversible two-channel mechanochromic luminescence for a pyridinium-based white-light emitter with room-temperature fluorescenceâ€“phosphorescence dual emission. Physical Chemistry Chemical Physics, 2019, 21, 14728-14733.	2.8	24
74	Syntheses, Crystal and Electronic Structures, and Characterizations of Quaternary Antiferromagnetic Sulfides: Ba₂MFeS₅(M = Sb, Bi). Inorganic Chemistry, 2011, 50, 2378-2384.	4.0	23
75	Syntheses of three members of A(II)M(IV)(PO4)2: luminescence properties of PbGe(PO4)2 and its Eu3+-doped powders. CrystEngComm, 2013, 15, 7089.	2.6	23
76	An Optimal Arrangement of (H₂C₄N₂O₃)^{2â€“} Groups in the First Non-Centrosymmetric Alkali Barbiturate Li₂(H₂C₄N₂O₃)Â·2H₂O Inducing a Giant Second Harmonic Generation Response and a Striking Birefringence. Crystal Growth and Design, 2020, 20, 4904-4908.	3.0	23
77	Unusually Large Magnetic Anisotropy in a CuO-Based Semiconductor Cu₅V₂O₁₀. Journal of the American Chemical Society, 2011, 133, 1298-1300.	13.7	22
78	A series of novel rare-earth bismuth tungstate compounds LnBiW2O9 (Ln = Ce, Sm, Eu, Er): Synthesis, crystal structure, optical and electronic properties. Dalton Transactions, 2011, 40, 7357.	3.3	22
79	Influence of the central diamagnetic cyanidometal on the distant magnetic interaction in cyanide-bridged Fe(<scp>iii</scp>)â€“M(<scp>ii</scp>)â€“Fe(<scp>iii</scp>) complexes. Dalton Transactions, 2015, 44, 7437-7448.	3.3	22
80	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
81	Theoretical Evaluation on Terahertz Source Generators from Ternary Metal Chalcogenides of PbM₆Te₁₀ (M = Ga, In). Journal of Physical Chemistry C, 2018, 122, 4557-4564.	3.1	21
82	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
83	Design of SHG materials with mid-infrared transparency based on genetic engineering for Ba2BiInA5 (A) Tj ETQq1 1 0.784314 rgBT /Ov	6.7	20
84	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
85	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
86	Density functional theory studies on the potential energy surface and hyperpolarizability of polyamidoamide dendrimer. Chemical Physics Letters, 2002, 363, 343-348.	2.6	19
87	First-principles study of CN carbon nitride nanotubes. Nanotechnology, 2010, 21, 195702.	2.6	19
88	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
89	Halonitrides Zn₂NX (X=Cl,Br): Novel Mid-Infrared Nonlinear Optical Materials. Chemistry of Materials, 2021, 33, 1462-1470.	6.7	19
90	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

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91	A Dirutheniumâ€Based Mixed Spin Complex Ru₂⁵⁺(S=1/2)â€CNâ€Ru₂⁵⁺(S=3/2). Angewandte Chemie - International Edition, 2019, 58, 15344-15348.	13.8	18
92	A₂BeS₂O₈ (A = NH₄, K, Rb, Cs) Deep Ultraviolet Nonlinear Optical Crystals. Chemistry of Materials, 2022, 34, 3781-3788.	6.7	18
93	Synthesis and characterizations of two anhydrous metal borophosphates: MIII2BP3O12 (M=Fe, In). Journal of Solid State Chemistry, 2010, 183, 1108-1113.	2.9	17
94	Nonlinear optical properties of carbon nitride nanotubes. Physical Chemistry Chemical Physics, 2012, 14, 835-839.	2.8	17
95	An Unusually Delocalized Mixedâ€Valence State of a Cyanidometalâ€Bridged Compound Induced by Thermal Electron Transfer. Angewandte Chemie, 2017, 129, 1627-1631.	2.0	17
96	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
97	BaM(BS₃)S (M = Sb, Bi): Two New Thioborate Compounds with One-Dimensional Polymeric Chain Structure. Inorganic Chemistry, 2010, 49, 6609-6615.	4.0	16
98	Designing the syntheses and photophysical simulations of noncentrosymmetric compounds. Inorganic Chemistry Frontiers, 2015, 2, 95-107.	6.0	16
99	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
100	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
101	Ba₆In₆Zn₄Se₁₉: a high performance infrared nonlinear optical crystal with [InSe₃]^{3â^'} trigonal planar functional motifs. Journal of Materials Chemistry C, 2020, 8, 7947-7955.	5.5	15
102	Synthesis and characterization of a new mid-infrared transparent compound: acentric Ba₅In₄Te₄S₇. Dalton Transactions, 2015, 44, 7673-7678.	3.3	14
103	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
104	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
105	First-principles study of ZnO cluster-decorated carbon nanotubes. Nanotechnology, 2011, 22, 445705.	2.6	13
106	From One-Dimensional Linear Chain to Two-Dimensional Layered Chalcogenides XBi₄S₇ (X = Mn, Fe): Syntheses, Crystal and Electronic Structures, and Physical Properties. Crystal Growth and Design, 2013, 13, 4118-4124.	3.0	13
107	Ab initiostudy of the magnetoelectric effect and critical thickness for ferroelectricity in Co₂FeSi/BaTiO₃multiferroic tunnel junctions. Modelling and Simulation in Materials Science and Engineering, 2014, 22, 015008.	2.0	13
108	Morphology and polarization-dependent second harmonic generation in single hexagonal sodium niobate micro/nano-crystals. Journal of Materials Chemistry C, 2015, 3, 4070-4076.	5.5	13

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109	Effect of Axial Coordination of Iron Porphyrin on Their Nanostructures and Photocatalytic Performance. Crystal Growth and Design, 2019, 19, 3279-3287.	3.0	13
110	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
111	Synthesis, structure and possible formation pathway of a novel cobalt carbonyl compound with new type Bî—¸O bond, Co(CO)3(PPh3)2BEt3, and mixed metal Coî—Feî—¸S cluster with possible nonlinear optical property, [Et4N][CoFe2(CO)8S(PPh3)]. Journal of Organometallic Chemistry, 2002, 655, 233-238.	1.8	12
112	Large hyperpolarizabilities of trinuclear transition metal clusters [MAg2X4(C5H5NS)(PPh3)2]Â·CH2Cl2(M = Mo, W; X = S, Se): a DFT study. New Journal of Chemistry, 2005, 29, 362-365.	2.8	12
113	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
114	Two new barium indium phosphates with intersecting tunnel structures: BaIn2P4O14, and Ba3In2P4O16. Materials Research Bulletin, 2010, 45, 1796-1802.	5.2	11
115	Syntheses and characterizations of compounds Ba4F4XGa2S6 (X = Cr, Mn, Fe) and Ba4F4MnIn2S6 with 2D layered structures. Dalton Transactions, 2013, 42, 9938.	3.3	11
116	Three-Dimensional Non-Centrosymmetric Ba(II)/Li(I)â€“Imidazolecarboxylate Coordination Polymers: Second Harmonic Generation and Blue Fluorescence. Crystal Growth and Design, 2016, 16, 6654-6662.	3.0	11
117	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
118	(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
119	Exploration of Second-Order Nonlinear Optical Materials in the Alkaline Earth Barbiturate System: Noncentrosymmetric Ca(H₃C₄N₂O₃)₂Â·H₂O and Centrosymmetric Sr(H₅C₈N₄O₅)₂Â·4H₂O.	4.0	11
120	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
121	Ferromagnetic-nonmagnetic and metal-insulator phase transitions at the interfaces of KTaO3 and PbTiO3. Journal of Applied Physics, 2014, 116, .	2.5	10
122	Syntheses, structures, and properties of sulfides constructed by SbS₄teeter-totter polyhedra: Ba₃La₄Ga₂Sb₂S₁₅and BaLa₃GaSb₂S₁₀. Inorganic Chemistry Frontiers, 2017, 4, 123-130.	6.0	10
123	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
124	Syntheses, crystal structures and characterizations of two new quaternary thioborates: PbMBS4 (M) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	9
125	Synthesis, spectral and redox switchable cubic NLO properties of chiral dinuclear iron cyanide/isocyanide-bridged complexes. Dalton Transactions, 2013, 42, 12452.	3.3	9
126	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

#	Article	IF	Citations
127	Theoretical studies of nonlinear optical crystals in metal cluster compounds. Journal of Crystal Growth, 2002, 237-239, 663-667.	1.5	8
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