

# Chen-Sheng Lin

## List of Publications by Year in descending order

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177  
papers

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76326

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h-index

82547

72  
g-index

195  
all docs

195  
docs citations

195  
times ranked

3506  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical substitution $\pi$ -oriented design of a new polar PbFIO <sub>3</sub> achieving a balance between large second-harmonic generation response and wide band gap. Scripta Materialia, 2022, 208, 114347.	5.2	10
2	A <sub>2</sub> BeS <sub>2</sub> O <sub>8</sub> (A = NH <sub>4</sub> <sup>+</sup> , K, Rb, Cs) Deep Ultraviolet Nonlinear Optical Crystals. Chemistry of Materials, 2022, 34, 3781-3788.	6.7	18
3	LiNbTeO <sub>5</sub> : 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
4	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
5	BaSi <sub>7</sub> P <sub>10</sub> and SrSi <sub>7</sub> P <sub>10</sub> : Two Infrared Nonlinear Optical Phosphides with T <sub>2</sub> Supertetrahedra Exhibiting Strong Second-Harmonic Generation Effects. Advanced Optical Materials, 2022, 10, .	7.3	4
6	Directional Construction of New Nonlinear Optical Bifunctional Units through Molecular Engineering Design Inspired by the B <sub>3</sub> O <sub>7</sub> -Typed Configuration. ACS Applied Materials & Interfaces, 2022, 14, 32270-32278.	8.0	6
7	Unexpected aliovalent cation substitution between two NLO materials LiBa <sub>3</sub> Bi <sub>6</sub> (SeO <sub>3</sub> ) <sub>7</sub> F <sub>11</sub> and Ba <sub>3</sub> Bi <sub>6.5</sub> (SeO <sub>3</sub> ) <sub>7</sub> F <sub>10.5</sub> O <sub>0.5</sub> . Chemical Communications, 2021, 57, 2982-2985.	4.1	11
8	Halonitrides Zn <sub>2</sub> NX (X=Cl,Br): Novel Mid-Infrared Nonlinear Optical Materials. Chemistry of Materials, 2021, 33, 1462-1470.	6.7	19
9	[C(NH <sub>2</sub> ) <sub>3</sub> ] <sub>3</sub> PO <sub>4</sub> ·2H <sub>2</sub> O: 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
10	LaSiP <sub>3</sub> and LaSi <sub>2</sub> P <sub>6</sub> : Two Excellent Rare-Earth Pnictides with Strong SHG Responses as Mid- and Far-Infrared Nonlinear Optical Crystals. Advanced Optical Materials, 2021, 9, 2002176.	7.3	9
11	M(NH <sub>2</sub> SO <sub>3</sub> ) <sub>2</sub> (M=Sr, Ba): Two Deep-Ultraviolet Transparent Sulfamates Exhibiting Strong Second Harmonic Generation Responses and Moderate Birefringence. Angewandte Chemie - International Edition, 2021, 60, 7621-7625.	13.8	73
12	$\pi$ -Conjugated Trigonal Planar [C(NH <sub>2</sub> ) <sub>3</sub> ] <sup>+</sup> Cationic Group: A Superior Functional Unit for Ultraviolet Nonlinear Optical Materials. ACS Omega, 2021, 6, 9263-9268.	3.5	22
13	M(NH <sub>2</sub> SO <sub>3</sub> ) <sub>2</sub> (M=Sr, Ba): Two Deep-Ultraviolet Transparent Sulfamates Exhibiting Strong Second Harmonic Generation Responses and Moderate Birefringence. Angewandte Chemie, 2021, 133, 7699-7703.	2.0	39
14	Te(CS(NH <sub>2</sub> ) <sub>2</sub> ) <sub>2</sub> SO <sub>4</sub> ·2H <sub>2</sub> O: A Three-in-One Semiorganic Nonlinear Optical Crystal with an Unusual Quadrilateral (TeS <sub>4</sub> ) <sup>6+</sup> Chromophore. Crystal Growth and Design, 2021, 21, 2596-2601.	3.0	8
15	$\hat{1}$ -Ca <sub>2</sub> CdP <sub>2</sub> and $\hat{2}$ -Ca <sub>2</sub> CdP <sub>2</sub> : 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
16	Be <sub>2</sub> (BO <sub>3</sub> )(IO <sub>3</sub> ): The First Anion-mixed Van der Waals Member in the KBe <sub>2</sub> BO <sub>3</sub> F <sub>2</sub> Family with a Very Strong Second Harmonic Generation Response. Angewandte Chemie - International Edition, 2021, 60, 17415-17418.	13.8	59
17	Be <sub>2</sub> (BO <sub>3</sub> )(IO <sub>3</sub> ): The First Anion-mixed Van der Waals Member in the KBe <sub>2</sub> BO <sub>3</sub> F <sub>2</sub> Family with a Very Strong Second Harmonic Generation Response. Angewandte Chemie, 2021, 133, 17555-17558.	2.0	7
18	Mg <sub>2</sub> In <sub>3</sub> Si <sub>2</sub> P <sub>7</sub> : A Quaternary Diamond-like Phosphide Infrared Nonlinear Optical Material Derived from ZnGeP <sub>2</sub> . Journal of the American Chemical Society, 2021, 143, 10309-10316.	13.7	77

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19	Two Tellurium(IV)-Based Sulfates Exhibiting Strong Second Harmonic Generation and Moderate Birefringence as Promising Ultraviolet Nonlinear Optical Materials. <i>Inorganic Chemistry</i> , 2021, 60, 11412-11418.	4.0	20
20	$A_3Te_2(Zn_2Ge)_2O_{14}$ (A = Sr, Ba, and Pb): New Langasite Mid-infrared Nonlinear Optical Materials by Rational Chemical Substitution. <i>Chemistry of Materials</i> , 2021, 33, 6012-6017.	6.7	17
21	$Ba_4GeSb_2Se_{11}$ : An Infrared Nonlinear Optical Crystal with a V-Shaped $Se_3^{2-}$ Group Possessing a Large Contribution to the SHG Response. <i>Inorganic Chemistry</i> , 2021, 60, 15593-15598.	4.0	5
22	$BaCdGeSe_4$ : Synthesis, structure and nonlinear optical properties. <i>Journal of Solid State Chemistry</i> , 2021, 302, 122352.	2.9	3
23	$M_4O(IO_3)_3(I_3O_7F_3)BF_4$ (M = Pb, Sr): Promising Nonlinear Optical Materials Featuring the Unprecedented Windmill-Shaped $[I_3O_7F_3]^{2-}$ Polyfluoroiodate Anion. <i>Crystal Growth and Design</i> , 2021, 21, 7098-7103.	3.0	5
24	$RbNa(HC_3N_3O_3) \cdot 2H_2O$ exhibiting a strong second harmonic generation response and large birefringence as a new potential UV nonlinear optical material. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 150-156.	6.0	49
25	$(NH_4)_2Bi_2(IO_3)_2F_5$ : An Unusual Ammonium-Containing Metal Iodate Fluoride Showing Strong Second Harmonic Generation Response and Thermochromic Behavior. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5268-5272.	13.8	73
26	$(NH_4)_2Bi_2(IO_3)_2F_5$ : An Unusual Ammonium-Containing Metal Iodate Fluoride Showing Strong Second Harmonic Generation Response and Thermochromic Behavior. <i>Angewandte Chemie</i> , 2020, 132, 5306-5310. <i>Optimization of Second Order Nonlinear Optical Materials in the Alkaline Earth Barbiturate System</i>	2.0	11
27	Noncentrosymmetric $Ca(H_3C_4N_2O_3)_2 \cdot H_2O$ and Centrosymmetric $Sr(H_5C_8N_4O_5)_2 \cdot 4H_2O$ . <i>Inorganic Chemistry</i> , 2020, 59, 15962-15968.	4.0	11
28	$\Gamma_2$ - $CdP_2$ : Large SHG Effect Originating from the Synergism of Parallel $\Gamma_1$ Polyanion Chains and Distorted $CdP_4$ Tetrahedra. <i>Chemistry of Materials</i> , 2020, 32, 10246-10253.	6.7	7
29	$NaZnCO_3(OH)$ : A High-Performance Carbonate Ultraviolet Nonlinear Optical Crystal Derived from $KBe_2BO_3F_2$ . <i>Journal of the American Chemical Society</i> , 2020, 142, 20542-20546. <i>An Optimal Arrangement of</i>	13.7	96
30	$(H_2C_4N_2O_3)_2$ Groups in the First Non-Centrosymmetric Alkali Barbiturate $Li_2(H_2C_4N_2O_3) \cdot 2H_2O$ Inducing a Giant Second Harmonic Generation Response and a Striking Birefringence. <i>Crystal Growth and Design</i> , 2020, 20, 4904-4908.	3.0	23
31	From centrosymmetric to noncentrosymmetric: intriguing structure evolution in $d_{10}$ -transition metal iodate fluorides. <i>Chemical Communications</i> , 2020, 56, 10734-10737.	4.1	25
32	Anionic Aliovalent Substitution from Structure Models of ZnS: Novel Defect Diamond-Like Halopnictide Infrared Nonlinear Optical Materials with Wide Band Gaps and Large SHG Effects. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23549-23553.	13.8	45
33	Anionic Aliovalent Substitution from Structure Models of ZnS: Novel Defect Diamond-Like Halopnictide Infrared Nonlinear Optical Materials with Wide Band Gaps and Large SHG Effects. <i>Angewandte Chemie</i> , 2020, 132, 23755-23759.	2.0	15
34	$A_2Bi_2(SeO_3)_3F_2$ (A = K and Rb): Excellent Mid-Infrared Nonlinear Optical Materials with Both Strong SHG Responses and Large Band Gaps. <i>Chemistry of Materials</i> , 2020, 32, 7958-7964.	6.7	42
35	$Ba(IO_3)F$ : An Alkaline-Earth-Metal Iodate Fluoride Crystal with Large Band Gap and Birefringence. <i>Inorganic Chemistry</i> , 2020, 59, 7376-7379.	4.0	20
36	Rational Design of the Metal-Free $KBe_2BO_3F_2$ Family Member $C(NH_2)_3SO_3F$ with Ultraviolet Optical Nonlinearity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15978-15981.	13.8	96

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37	Rational Design of the Metal-Free $\text{KBe}_2\text{BO}_3\text{F}_2$ (KBBF) Family Member $\text{C}(\text{NH}_2)_3\text{SO}_3\text{F}$ with Ultraviolet Optical Nonlinearity. <i>Angewandte Chemie</i> , 2020, 132, 16112-16115.	2.0	13
38	$\text{Cd}_4\text{SiQ}_6$ (Q = S, Se): Ternary Infrared Nonlinear Optical Materials with Mixed Functional Building Motifs. <i>Crystal Growth and Design</i> , 2020, 20, 2489-2496.	3.0	15
39	$\text{A}(\text{H}_3\text{C}_3\text{N}_3\text{O}_3)(\text{NO}_3)$ (A = K, Rb): Alkali-Metal Nitrate Isocyanurates with Strong Optical Anisotropy. <i>Inorganic Chemistry</i> , 2020, 59, 10361-10367.	4.0	30
40	$\text{Na}_3\text{Sc}_2(\text{PO}_4)_2\text{F}_3$ : rational design and synthesis of an alkali rare-earth phosphate fluoride as an ultraviolet nonlinear optical crystal with an enlarged birefringence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4965-4972.	5.5	34
41	$\text{Ba}_6\text{In}_6\text{Zn}_4\text{Se}_{19}$ : a high performance infrared nonlinear optical crystal with $[\text{InSe}_3]^{3-}$ trigonal planar functional motifs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7947-7955.	5.5	15
42	$\text{NaPb}_2(\text{CO}_3)_2\text{F}_x(\text{OH})_{1-x}$ (0 < x < 1): A new member of alkali-lead carbonate fluoride system with large birefringence. <i>Journal of Solid State Chemistry</i> , 2020, 288, 121407.	2.9	1
43	$\text{Sr}[\text{B}(\text{OH})_4]_3(\text{IO}_3)_3$ and $\text{Li}_4\text{Sr}_5[\text{B}_{12}\text{O}_{22}(\text{OH})_4]_2(\text{IO}_3)_2$ : two unprecedented metal borate-iodates showing a subtle balance of enlarged band gap and birefringence. <i>Chemical Communications</i> , 2019, 55, 11139-11142.	4.1	29
44	$\text{RE}(\text{H}_2\text{C}_3\text{N}_3\text{O}_3)_2 \cdot (\text{OH}) \cdot x\text{H}_2\text{O}$ (RE = La, Y and Gd): potential UV birefringent materials with strong optical anisotropy originating from the $(\text{H}_2\text{C}_3\text{N}_3\text{O}_3)^{3-}$ group. <i>Dalton Transactions</i> , 2019, 48, 12296-12302.	3.3	24
45	A Diruthenium-Based Mixed Spin Complex $\text{Ru}_2^{5+}(\text{S}^{1/2})\text{CN}\text{Ru}_2^{5+}(\text{S}^{3/2})$ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15344-15348.	13.8	18
46	Reversible two-channel mechanochromic luminescence for a pyridinium-based white-light emitter with room-temperature fluorescence-phosphorescence dual emission. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14728-14733.	2.8	24
47	$\text{Ba}_{10}\text{In}_6\text{Zn}_7\text{S}_{10}\text{Se}_{16}$ and $\text{Ba}_{10}\text{In}_6\text{Zn}_7\text{Se}_{26}$ : Two new infrared nonlinear optical materials with T2 super tetrahedron. <i>Journal of Alloys and Compounds</i> , 2019, 797, 356-362.	5.5	4
48	Effect of Axial Coordination of Iron Porphyrin on Their Nanostructures and Photocatalytic Performance. <i>Crystal Growth and Design</i> , 2019, 19, 3279-3287.	3.0	13
49	Refractive Index Modulates Second-Harmonic Responses in $\text{RE}_8\text{O}(\text{CO}_3)_3(\text{OH})_{15}\text{X}$ (RE = Y, Lu; X = Cl, Br): Rare-Earth Halide Carbonates as Ultraviolet Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2019, 31, 2130-2137.	6.7	28
50	Two Deep Ultraviolet Hydrated Borate Crystals: Centrosymmetric $\text{LiRbB}_5\text{O}_8(\text{OH}) \cdot \text{H}_2\text{O}$ and Non-Centrosymmetric $\text{K}_2\text{B}_5\text{O}_8(\text{OH}) \cdot 2\text{H}_2\text{O}$ . <i>Crystal Growth and Design</i> , 2019, 19, 3052-3059.	3.0	5
51	$\text{KLi}(\text{HC}_3\text{N}_3\text{O}_3) \cdot 2\text{H}_2\text{O}$ : Solvent-drop Grinding Method toward the Hydro-isocyanurate Nonlinear Optical Crystal. <i>Journal of the American Chemical Society</i> , 2019, 141, 3390-3394.	13.7	187
52	$\text{Ba}_{10}\text{In}_6\text{Zn}_7\text{S}_{26-n}\text{ZnS}$ : An Inorganic Composite System with Interface Phase-Matching Tuned for High-Performance Infrared Nonlinear Optical Materials. <i>Inorganic Chemistry</i> , 2019, 58, 3990-3999.	4.0	8
53	A Diruthenium-Based Mixed Spin Complex $\text{Ru}_2^{5+}(\text{S}^{1/2})\text{CN}\text{Ru}_2^{5+}(\text{S}^{3/2})$ . <i>Angewandte Chemie</i> , 2019, 131, 15488-15492.	2.0	5
54	$\text{BaGe}_2\text{Pn}_2$ (Pn = P, As): Two Congruent-Melting Non-chalcopyrite Prictides as Mid- and Far-Infrared Nonlinear Optical Materials Exhibiting Large Second Harmonic Generation Effects. <i>Chemistry of Materials</i> , 2019, 31, 10170-10177.	6.7	34

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55	Atom-Resolved Analysis of Birefringence of Nonlinear Optical Crystals by Bader Charge Integration. <i>Journal of Physical Chemistry C</i> , 2019, 123, 31183-31189.	3.1	37
56	$Y_2(CO_3)_3 \cdot 2H_2O$ and $(NH_4)_2Ca_2Y_4(CO_3)_9 \cdot 2H_2O$ : Partial Aliovalent Cation Substitution Enabling Evolution from Centrosymmetry to Noncentrosymmetry for Nonlinear Optical Response. <i>Chemistry of Materials</i> , 2019, 31, 52-56.	6.7	29
57	A cation size effect on the framework structures in $ABi_2SeO_3F_5$ (A = K and Rb): first examples of alkali metal bismuth selenite fluorides. <i>Dalton Transactions</i> , 2018, 47, 6598-6604.	3.3	12
58	Three alkaline-rare earth cations carbonates with large birefringence in the deep UV range. <i>Journal of Alloys and Compounds</i> , 2018, 742, 587-593.	5.5	11
59	Theoretical Evaluation on Terahertz Source Generators from Ternary Metal Chalcogenides of $PbM_6Te_{10}$ (M = Ga, In). <i>Journal of Physical Chemistry C</i> , 2018, 122, 4557-4564.	3.1	21
60	$PbGa_2GeS_6$ : An Infrared Nonlinear Optical Material Synthesized by an Intermediate-Temperature Self-Fluxing Method. <i>Crystal Growth and Design</i> , 2018, 18, 1162-1167.	3.0	30
61	$K_2[B_3O_3(OH)_5]$ : A new deep-UV nonlinear optical crystal with isolated $[B_3O_3(OH)_5]^{2-}$ anionic groups. <i>Journal of Alloys and Compounds</i> , 2018, 735, 677-683.	5.5	28
62	$Na_4Yb(CO_3)_3F$ : A New UV Nonlinear Optical Material with a Large Second Harmonic Generation Response. <i>Crystals</i> , 2018, 8, 381.	2.2	5
63	Exploration of new UV nonlinear optical materials in the sodium-zinc fluoride carbonate system with the discovery of a new regulation mechanism for the arrangement of $[CO_3]^{2-}$ groups. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6526-6533.	5.5	19
64	$NH_4Be_2BO_3F_2$ and $KBe_2BO_3F_2$ : Overcoming the Layering Habit in $KBe_2BO_3F_2$ for the Next-Generation Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie</i> , 2018, 130, 9106-9110.	2.0	63
65	$NH_4Be_2BO_3F_2$ and $KBe_2BO_3F_2$ : Overcoming the Layering Habit in $KBe_2BO_3F_2$ for the Next-Generation Deep-Ultraviolet Nonlinear Optical Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8968-8972.	13.8	200
66	Thermoelectric properties of two-dimensional selenene and tellurene from group-VI elements. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24250-24256.	2.8	73
67	Origin of $H_2$ Formation on Perfect $SrTiO_3$ (001) Surface: A First-principles Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12951-12955.	3.1	1
68	Superpolyhedron-Built Second Harmonic Generation Materials Exhibit Large Mid-Infrared Conversion Efficiencies and High Laser-Induced Damage Thresholds. <i>Chemistry of Materials</i> , 2017, 29, 1796-1804.	6.7	84
69	An Unusually Delocalized Mixed-Valence State of a Cyanidometal-Bridged Compound Induced by Thermal Electron Transfer. <i>Angewandte Chemie</i> , 2017, 129, 1627-1631.	2.0	17
70	An Unusually Delocalized Mixed-Valence State of a Cyanidometal-Bridged Compound Induced by Thermal Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1605-1609.	13.8	47
71	Syntheses, structures, and properties of sulfides constructed by $SbS_4$ teeter-totter polyhedra: $Ba_3La_4Ga_2Sb_2S_{15}$ and $BaLa_3GaSb_2S_{10}$ . <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 123-130.	6.0	10
72	Evolution of Luminescent Supramolecular Lanthanide $M_2LnL_3$ Complexes from Helicates and Tetrahedra to Cubes. <i>Journal of the American Chemical Society</i> , 2017, 139, 8237-8244.	13.7	152

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73	Theoretical Evaluation of Terahertz Sources Generated From $\text{SnGa}_4\text{Q}_7$ ( $Q=\text{S}, \text{Tj}, \text{ETQq1}$ )	1.0	784314
74	Structural Modulation of Nitrate Group with Cations to Affect SHG Responses in $\text{RE}(\text{OH})_2\text{NO}_3$ ( $\text{RE} = \text{La}, \text{Y}, \text{and Gd}$ ): New Polar Materials with Large NLO Effect after Adjusting pH Values of Reaction Systems. <i>Chemistry of Materials</i> , 2017, 29, 896-903.	6.7	107
75	Intraligand Charge Transfer Sensitization on Self-Assembled Europium Tetrahedral Cage Leads to Dual-Selective Luminescent Sensing toward Anion and Cation. <i>Journal of the American Chemical Society</i> , 2017, 139, 12474-12479.	13.7	128
76	Experimental and ab initio studies of $\text{Cd}_5(\text{BO}_3)_3\text{Cl}$ : the first cadmium borate chlorine NLO material with isolated $\text{BO}_3$ groups. <i>Dalton Transactions</i> , 2017, 46, 15228-15234.	3.3	18
77	Synthesis and characterization of a new beryllium-free deep-ultraviolet nonlinear optical material: $\text{Na}_2\text{GdCO}_3\text{F}_3$ . <i>Journal of Alloys and Compounds</i> , 2017, 724, 1057-1063.	5.5	29
78	Explorations of new UV nonlinear optical materials in the $\text{Na}_2\text{CO}_3\text{-CaCO}_3$ system. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8758-8764.	5.5	25
79	Exceptional thermoelectric performance of a "star-like" $\text{SnSe}$ nanotube with ultra-low thermal conductivity and a high power factor. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23247-23253.	2.8	7
80	Collaborative enhancement from $\text{Pb}^{2+}$ and $\text{F}^{\sim}$ in $\text{Pb}_2(\text{NO}_3)_2(\text{H}_2\text{O})_2\text{F}_2$ generates the largest second harmonic generation effect among nitrates. <i>Chemical Communications</i> , 2017, 53, 9398-9401.	4.1	66
81	$\text{Rb}_2\text{Na}(\text{NO}_3)_3$ : A Congruently Melting UV-NLO Crystal with a Very Strong Second-Harmonic Generation Response. <i>Crystals</i> , 2016, 6, 42.	2.2	65
82	A Luminescent Metal-Organic Framework Thermometer with Intrinsic Dual Emission from Organic Lumophores. <i>Chemistry - A European Journal</i> , 2016, 22, 4460-4468.	3.3	66
83	$\text{AMgPO}_4 \cdot 6\text{H}_2\text{O}$ ( $A = \text{Rb}, \text{Cs}$ ): strong SHG responses originated from orderly $\text{PO}_4$ groups. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9219-9226.	5.5	44
84	$\text{Pb}_2\text{BO}_3\text{Cl}$ : A Tailor-Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. <i>Angewandte Chemie</i> , 2016, 128, 12257-12261.	2.0	119
85	Three-Dimensional Non-Centrosymmetric $\text{Ba}(\text{II})/\text{Li}(\text{I})$ -Imidazolecarboxylate Coordination Polymers: Second Harmonic Generation and Blue Fluorescence. <i>Crystal Growth and Design</i> , 2016, 16, 6654-6662.	3.0	11
86	$\text{Pb}_2\text{BO}_3\text{Cl}$ : A Tailor-Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12078-12082.	13.8	315
87	A novel heterometallic $\text{BaGa}$ coordination polymer based on the bifunctional ligand 2,5-pyridine dicarboxylic acid. <i>Inorganic Chemistry Communication</i> , 2016, 70, 86-89.	3.9	3
88	Molecular Engineering as an Approach To Design a New Beryllium-Free Fluoride Carbonate as a Deep-Ultraviolet Nonlinear Optical Material. <i>Chemistry of Materials</i> , 2016, 28, 2301-2307.	6.7	85
89	Synthesis and characterization of $\text{CsSrCO}_3\text{F}$ - a beryllium-free new deep-ultraviolet nonlinear optical material. <i>New Journal of Chemistry</i> , 2016, 40, 2243-2248.	2.8	34
90	Assembly of noncentrosymmetric coordination polymers by the integration of acentric $\text{Ba}(\text{scp})/\text{Sr}(\text{scp})$ and $\text{Li}(\text{scp})$ coordination polyhedra. <i>CrystEngComm</i> , 2015, 17, 3418-3421.	2.6	8

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91	Synthesis and characterization of a new mid-infrared transparent compound: acentric Ba <sub>5</sub> In <sub>4</sub> Te <sub>4</sub> S <sub>7</sub> . Dalton Transactions, 2015, 44, 7673-7678.	3.3	14
92	Designing the syntheses and photophysical simulations of noncentrosymmetric compounds. Inorganic Chemistry Frontiers, 2015, 2, 95-107.	6.0	16
93	PbGa <sub>2</sub> MSe <sub>6</sub> (M = Si, Ge): Two Exceptional Infrared Nonlinear Optical Crystals. Chemistry of Materials, 2015, 27, 914-922.	6.7	110
94	Influence of the central diamagnetic cyanidometal on the distant magnetic interaction in cyanide-bridged Fe( <sup>iii</sup> )M( <sup>ii</sup> )Fe( <sup>iii</sup> ) complexes. Dalton Transactions, 2015, 44, 7437-7448.	3.3	22
95	Bi <sub>2</sub> Te(IO <sub>3</sub> )O <sub>5</sub> Cl: a novel polar iodate oxychloride exhibiting a second-order nonlinear optical response. Dalton Transactions, 2015, 44, 2469-2475.	3.3	28
96	Sr <sub>2</sub> (OH) <sub>3</sub> NO <sub>3</sub> : 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
97	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
98	Synthesis and crystal structure of a novel layered barium antimonate Ba <sub>2</sub> Sb <sub>7</sub> O <sub>13</sub> (OH) with mixed-valence antimony. Solid State Sciences, 2015, 44, 27-31.	3.2	3
99	Impact of biaxial compressive strain on the heterostructures of paraelectrics KTaO <sub>3</sub> and SrTiO <sub>3</sub> . AIP Advances, 2015, 5, 057147.	1.3	3
100	Hydrogen adsorption induced antiferrodistortive distortion and metallization at the (001) surface of SrTiO <sub>3</sub> . Journal of Applied Physics, 2015, 118, .	2.5	5
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