

Guohong Zou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Alkaline-Alkaline Earth Fluoride Carbonate Crystals $ABCO_3F$ (A = K, Rb, Cs; B = Ca, Sr, Ba) as Nonlinear Optical Materials. <i>Journal of the American Chemical Society</i> , 2011, 133, 20001-20007.	6.6	418
2	Pb_2BO_3Cl : A Tailor-Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12078-12082.	7.2	315
3	$CsSbF_2SO_4$: An Excellent Ultraviolet Nonlinear Optical Sulfate with a $KTiOPO_4$ (KTP)-type Structure. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6528-6534.	7.2	280
4	$CsPbCO_3F$: A Strong Second-Harmonic Generation Material Derived from Enhancement via $\pi^*\pi$ Interaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 18560-18566.	6.6	242
5	Novel ultraviolet (UV) nonlinear optical (NLO) materials discovered by chemical substitution-oriented design. <i>Chemical Science</i> , 2020, 11, 5404-5409.	3.7	201
6	$Rb_3VO(O_2)_2CO_3$: A Four-One Carbonatoperoxovanadate Exhibiting an Extremely Strong Second-Harmonic Generation Response. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8619-8622.	7.2	172
7	$K_2Sb(P_2O_7)F$: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21151-21156.	7.2	156
8	Perfect balance harmony in $Ba_2NO_3(OH)_3$: a beryllium-free nitrate as a UV nonlinear optical material. <i>Chemical Communications</i> , 2018, 54, 5792-5795.	2.2	143
9	$Sr_2(OH)_3NO_3$: the first nitrate as a deep UV nonlinear optical material with large SHG responses. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5268-5274.	2.7	136
10	$Na_8Lu_2(CO_3)_6F_2$ and $Na_3Lu(CO_3)_2F_2$: Rare Earth Fluoride Carbonates as Deep-UV Nonlinear Optical Materials. <i>Chemistry of Materials</i> , 2013, 25, 3147-3153.	3.2	123
11	Pb_2BO_3Cl : A Tailor-Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. <i>Angewandte Chemie</i> , 2016, 128, 12257-12261.	1.6	119
12	$Cs_3VO(O_2)_2CO_3$: an exceptionally thermostable carbonatoperoxovanadate with an extremely large second-harmonic generation response. <i>Chemical Science</i> , 2018, 9, 8957-8961.	3.7	107
13	High-Performance Sulfate Optical Materials Exhibiting Giant Second Harmonic Generation and Large Birefringence. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	94
14	$CsSbF_2SO_4$: An Excellent Ultraviolet Nonlinear Optical Sulfate with a $KTiOPO_4$ (KTP)-type Structure. <i>Angewandte Chemie</i> , 2019, 131, 6598-6604.	1.6	72
15	Centrosymmetric $(NH_4)_2SbCl(SO_4)_2$ and Non-centrosymmetric $(NH_4)SbCl_2(SO_4)$: Synergistic Effect of Hydrogen-Bonding Interactions and Lone-Pair Cations on the Framework Structures and Macroscopic Centricities. <i>Crystal Growth and Design</i> , 2018, 18, 6239-6247.	1.4	71
16	$Rb_2Na(NO_3)_3$: A Congruently Melting UV-NLO Crystal with a Very Strong Second-Harmonic Generation Response. <i>Crystals</i> , 2016, 6, 42.	1.0	65
17	Cadmium-rare earth oxyborates $Cd_4ReO(BO_3)_3$ (Re = Y, Gd, Lu): congruently melting compounds with large SHG responses. <i>Journal of Materials Chemistry</i> , 2012, 22, 19911.	6.7	61
18	The study of structure evolvement of $KTiOPO_4$ family and their nonlinear optical properties. <i>Coordination Chemistry Reviews</i> , 2020, 423, 213491.	9.5	61

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19	Cation-tuned synthesis of the $A_2SO_4 \cdot nSbF_3$ ($A = Na, K, Rb, Cs$) Tj ETQq1 1 0.784314 rgBT properties. Dalton Transactions, 2018, 47, 17486-17492.	1.6	60
20	$ACdCO_3F$ ($A = K$ and Rb): new noncentrosymmetric materials with remarkably strong second-harmonic generation (SHG) responses enhanced via π -interaction. RSC Advances, 2015, 5, 84754-84761.	1.7	58
21	$RbSbSO_4Cl_2$: an excellent sulfate nonlinear optical material generated due to the synergistic effect of three asymmetric chromophores. Journal of Materials Chemistry C, 2019, 7, 5748-5754.	2.7	58
22	Centrosymmetric $K_2SO_4 \cdot n(SbF_3)_2$ and noncentrosymmetric $Rb_2SO_4 \cdot n(SbF_3)_2$ resulting from cooperative effects of lone pair and cation size. Inorganic Chemistry Frontiers, 2019, 6, 3125-3132.	3.0	48
23	An energy band engineering design to enlarge the band gap of $KTiOPO_4$ (KTP)-type sulfates via aliovalent substitution. Journal of Materials Chemistry C, 2019, 7, 8131-8138.	2.7	46
24	$Y_8O(OH)_{15}(CO_3)_3Cl$: an excellent short-wave UV nonlinear optical material exhibiting an infrequent three-dimensional inorganic cationic framework. Chemical Communications, 2019, 55, 4538-4541.	2.2	43
25	Sodium "rare earth carbonates with shorite structure and large second harmonic generation response. CrystEngComm, 2014, 16, 4414.	1.3	41
26	Synthesis, structure, and characterization of a new promising nonlinear optical crystal: $Cd_5(BO_3)_3F$. CrystEngComm, 2013, 15, 2422.	1.3	39
27	$Rb_3VO(O_2)_2CO_3$: A Four "One Carbonatoperoxovanadate Exhibiting an Extremely Strong Second Harmonic Generation Response. Angewandte Chemie, 2018, 130, 8755-8758.	1.6	39
28	$K_4Sb(SO_4)_3Cl$: The first apatite-type sulfate ultraviolet nonlinear optical material with sharply enlarged birefringence. Journal of Alloys and Compounds, 2020, 834, 155154.	2.8	36
29	$A_6Sb_4F_{12}(SO_4)_3$ ($A = Rb, Cs$): Two Novel Antimony Fluoride Sulfates with Unique Crown-like Clusters. Inorganic Chemistry, 2020, 59, 8345-8352.	1.9	35
30	Synthesis and characterization of $CsSrCO_3F$ " a beryllium-free new deep-ultraviolet nonlinear optical material. New Journal of Chemistry, 2016, 40, 2243-2248.	1.4	34
31	Deep-Ultraviolet Mixed-Alkali-Metal Borates with Induced Enlarged Birefringence Derived from the Structure Rearrangement of the LiB_3O_5 . Inorganic Chemistry, 2019, 58, 5949-5955.	1.9	34
32	$Rb_3SbF_3(NO_3)_3$: an excellent antimony nitrate nonlinear optical material with a strong second harmonic generation response fabricated by a rational multi-component design. Dalton Transactions, 2019, 48, 15144-15150.	1.6	33
33	$CsHgNO_3Cl_2$: A New Nitrate UV Birefringent Material Exhibiting an Optimized Layered Structure. Inorganic Chemistry, 2020, 59, 12578-12585.	1.9	32
34	Two-stage evolution from phosphate to sulfate of new KTP-type family members as UV nonlinear optical materials through chemical cosubstitution-oriented design. Dalton Transactions, 2020, 49, 5276-5282.	1.6	31
35	Exploring Potential Beryllium-free, Deep-Ultraviolet Optical Crystals in the Rare Earth Fluoride Carbonate "Water System. Crystal Growth and Design, 2018, 18, 3644-3653.	1.4	30
36	Synthesis and characterization of a new beryllium-free deep-ultraviolet nonlinear optical material: $Na_2GdCO_3F_3$. Journal of Alloys and Compounds, 2017, 724, 1057-1063.	2.8	29

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37	Centrosymmetric RbSnF ₂ NO ₃ vs. noncentrosymmetric Rb ₂ SbF ₃ (NO ₃) ₂ . Inorganic Chemistry Frontiers, 2021, 8, 3317-3324.	3.0	29
38	K ₂ [B ₃ O ₃ (OH) ₅]: A new deep-UV nonlinear optical crystal with isolated [B ₃ O ₃ (OH) ₅] ²⁻ anionic groups. Journal of Alloys and Compounds, 2018, 735, 677-683.	2.8	28
39	K ₂ Sb(P ₂ O ₇)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. Angewandte Chemie, 2020, 132, 21337-21342.	1.6	26
40	Ionothermal Synthesis of Open-Framework Metal Phosphates Using a Multifunctional Ionic Liquid. Inorganic Chemistry, 2018, 57, 8726-8729.	1.9	25
41	Cation-anion synergetic interactions achieving tunable birefringence in quasi-one-dimensional antimony(III) fluoride oxalates. Science China Materials, 2022, 65, 3115-3124.	3.5	25
42	Tin Chloride Sulfates A ₃ Sn ₂ (SO ₄) ₃ ·xCl _{1+2x} (A =) Tj ET. Q 0 0 2gBT /Over		
43	Surfactant-Thermal Synthesis of Amino Acid-Templated Zinc Phosphates with 3-Connected Nets Related to Zeolite ABW. Inorganic Chemistry, 2019, 58, 4089-4092.	1.9	20
44	NH ₄ Sb ₂ (C ₂ O ₄)F ₅ : A novel UV nonlinear optical material synthesized in deep eutectic solvents. Journal of Alloys and Compounds, 2022, 896, 162921.	2.8	20
45	Hydrogen Bonding Assisted Construction of Graphite-like Deep-UV Optical Materials with Two Types of Parallel ĩ-Conjugated Units. Crystal Growth and Design, 2018, 18, 4756-4765.	1.4	18
46	Using Multifunctional Ionic Liquids in the Synthesis of Crystalline Metal Phosphites and Hybrid Framework Solids. Inorganic Chemistry, 2018, 57, 14031-14034.	1.9	17
47	(NH ₄) ₃ [B(OH) ₃] ₂ (COOH) ₃ : a graphite-like UV nonlinear optical material with a large birefringence via structural optimization. Chemical Communications, 2020, 56, 9982-9985.	2.2	16
48	Unprecedented boat-shaped [Mo ₂ O ₅ (IO ₃) ₄] ²⁺ polyanions induced a strong second harmonic generation response. Chemical Communications, 2022, 58, 3350-3353.	2.2	16
49	Corrugated 1D Hybrid Metal Halide [C ₆ H ₇ ClN]CdCl ₃ Exhibiting Broadband White-Light Emission. Inorganic Chemistry, 2022, 61, 4752-4759.	1.9	15
50	Layered Perovskite-like Nitrate Cs ₂ Pb(NO ₃) ₂ Br ₂ as a Multifunctional Optical Material. Inorganic Chemistry, 2022, 61, 4184-4192.	1.9	14
51	Homochiral Hybrid Organic-Inorganic Cadmium Chlorides Directed by Enantiopure Amino Acids. Inorganic Chemistry, 2022, 61, 11032-11035.	1.9	14
52	Two low-dimensional metal halides: ionothermal synthesis, photoluminescence, and nonlinear optical properties. Dalton Transactions, 2019, 48, 17451-17455.	1.6	13
53	Metal phosphate-oxalates with unique framework topologies: Solvent-free synthesis, water stability, and proton conduction. Journal of Solid State Chemistry, 2020, 292, 121709.	1.4	13
54	A new alkaline beryllium borate KBe ₄ B ₃ O ₉ with ribbon alveolate [Be ₂ BO ₅] ^{z-} layers and the structural evolution of ABe ₄ B ₃ O ₉ (A = K, Rb and Cs). CrystEngComm, 2014, 16, 3971-3976.	1.3	12

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55	Synthesis and characterization of Cd ₄ YbO(BO ₃) ₃ a congruent melting cadmium-ytterbium oxyborate with large nonlinear optical properties. <i>New Journal of Chemistry</i> , 2014, 38, 6186-6192.	1.4	11
56	Water stable oxalate-based coordination polymers with <i>in situ</i> generated cyclic dipeptides showing high proton conductivity. <i>Dalton Transactions</i> , 2018, 47, 15288-15292.	1.6	10
57	Cluster oxalate frameworks with extra-large channels: solvent-free synthesis, chemical stability, and proton conduction. <i>Dalton Transactions</i> , 2019, 48, 13130-13134.	1.6	10
58	Synthesis, crystal structures and nonlinear optical properties of polymorphism: $\hat{1}\pm$ - and $\hat{1}^2$ -RbHgI ₃ ·H ₂ O. <i>Journal of Alloys and Compounds</i> , 2019, 771, 547-554.	2.8	10
59	Two amino acid-templated metal phosphates: surfactant-thermal synthesis, water stability, and proton conduction. <i>Dalton Transactions</i> , 2020, 49, 5440-5444.	1.6	10
60	Enhanced Interlayer Interaction and Second-Harmonic-Generation Response in a KBe ₂ BO ₃ F ₂ -Type Inorganic-Organic Hybrid Zinc Borate. <i>Inorganic Chemistry</i> , 2022, 61, 6720-6724.	1.9	10
61	Organically templated metal phosphate-oxalates: Solvent-free synthesis, crystal structure, and proton conduction. <i>Inorganic Chemistry Communication</i> , 2021, 124, 108403.	1.8	9
62	Organically templated metal sulfate-oxalates: Solvent-free synthesis, crystal structure, and proton conduction. <i>Journal of Solid State Chemistry</i> , 2019, 276, 1-5.	1.4	8
63	Noncentrosymmetric Rb ₃ (COOH) ₃ (H ₃ BO ₃) ₂ vs Centrosymmetric Cs ₃ (COOH) ₃ (H ₃ BO ₃) ₂ . <i>Crystal Growth and Design</i> , 2021, 21, 5976-5982.	1.4	8
64	Three-dimensional all-inorganic dual halogen emitter Cs ₂ Cd ₂ BrCl ₅ exhibiting broadband white-light emission. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13844-13850.	2.7	8
65	High-Performance Sulfate Optical Materials Exhibiting Giant Second Harmonic Generation and Large Birefringence. <i>Angewandte Chemie</i> , 2022, 134, e202116790.	1.6	8
66	Crystalline metal phosphates with layered structures: Synthesis, luminescence, and proton conduction. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121067.	1.4	7
67	Amino acid-templated zinc phosphites: low-dimensional structures, fluorescence, and nonlinear optical properties. <i>Dalton Transactions</i> , 2021, 50, 5442-5445.	1.6	6
68	Isonicotinic acid-templated metal phosphate oxalates: solvent-free synthesis, luminescence, and proton conduction. <i>CrystEngComm</i> , 2021, 23, 6855-6858.	1.3	6
69	<i>N</i> -Methylimidazolium containing metal phosphate oxalates: solvent-free synthesis, crystal structure, and proton conduction. <i>CrystEngComm</i> , 2022, 24, 743-746.	1.3	6
70	Ionothermal synthesis of crystalline metal phosphites using multifunctional protic ionic liquids. <i>CrystEngComm</i> , 2020, 22, 6096-6100.	1.3	5
71	Indium phosphate oxalates with layered structures: Solvent-free approach, hydrothermal stability, and proton conduction. <i>Inorganic Chemistry Communication</i> , 2021, 133, 108975.	1.8	5
72	KLi ₂ CO ₃ F: a beryllium-free KBBF-type deep-UV carbonate with an enhanced interlayer interaction and large birefringence. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3590-3597.	3.0	5

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73	Pillared-layered indium phosphites templated by amino acids: isorecticular structures, water stability, and fluorescence. Dalton Transactions, 2020, 49, 14766-14770.	1.6	4
74	Two molybdenyl carbonates with different dimensional structures exhibiting huge differences in band gaps. Inorganic Chemistry Frontiers, 2022, 9, 440-447.	3.0	3
75	Reply to the Correspondence on $K_2Sb(P_2O_7)F$: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. Angewandte Chemie - International Edition, 2021, 60, 3856-3857.	7.2	2
76	Open-framework scandium phosphate-oxalates: Solvent-free synthesis, proton conduction, and luminescence. Inorganic Chemistry Communication, 2022, 140, 109430.	1.8	2
77	Yin-Yang Complementarity Strategy Achieving Giant Optical Anisotropy in a Metal-free Birefringent Material $C(NH_2)_3(HC_4O_4)$. Crystal Growth and Design, 2022, 22, 4236-4242.	1.4	2
78	An inorganic-organic hybrid solid with $B_5O_7(OH)_3$ clusters bridged and decorated by zinc-amine complexes. Inorganic Chemistry Communication, 2018, 96, 97-100.	1.8	1
79	Reply to the Correspondence on $K_2Sb(P_2O_7)F$: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. Angewandte Chemie, 2021, 133, 3900-3901.	1.6	0