Guohong Zou

List of Publications by Year
in descending order

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79 papers	4,061 citations	136740 32 h-index	114278 63 g-index
79 all docs	79 docs citations	79 times ranked	848 citing authors

#	Article	IF	Citations
1	NH4Sb2(C2O4)F5: A novel UV nonlinear optical material synthesized in deep eutectic solvents. Journal of Alloys and Compounds, 2022, 896, 162921.	2.8	20
2	N-Methylimidazolium containing metal phosphateâ€“oxalates: solvent-free synthesis, crystal structure, and proton conduction. CrystEngComm, 2022, 24, 743-746.	1.3	6
3	Highâ€Performance Sulfate Optical Materials Exhibiting Giant Second Harmonic Generation and Large Birefringence. Angewandte Chemie - International Edition, 2022, 61, .	7.2	94
4	Two molybdenyl carbonates with different dimensional structures exhibiting huge differences in band gaps. Inorganic Chemistry Frontiers, 2022, 9, 440-447.	3.0	3
5	Three-dimensional all-inorganic dual halogen emitter $Cs_2Cd_2BrCl_5$ exhibiting broadband white-light emission. Journal of Materials Chemistry C, 2022, 10, 13844-13850.	2.7	8
6	Highâ€Performance Sulfate Optical Materials Exhibiting Giant Second Harmonic Generation and Large Birefringence. Angewandte Chemie, 2022, 134, e202116790.	1.6	8
7	Unprecedented boat-shaped $[Mo_2O_5(IO_3)_4]^{2â^'}$ polyanions induced a strong second harmonic generation response. Chemical Communications, 2022, 58, 3350-3353.	2.2	16
8	Layered Perovskite-like Nitrate $Cs_2Pb(NO_3)_2Br_2$ as a Multifunctional Optical Material. Inorganic Chemistry, 2022, 61, 4184-4192.	1.9	14
9	Corrugated 1D Hybrid Metal Halide $[C_6H_7ClN]CdCl_3$ Exhibiting Broadband White-Light Emission. Inorganic Chemistry, 2022, 61, 4752-4759.	1.9	15
10	Open-framework scandium phosphate-oxalates: Solvent-free synthesis, proton conduction, and luminescence. Inorganic Chemistry Communication, 2022, 140, 109430.	1.8	2
11	Enhanced Interlayer Interaction and Second-Harmonic-Generation Response in a $KBe_2BO_3F_2$-Type Inorganicâ€“Organic Hybrid Zinc Borate. Inorganic Chemistry, 2022, 61, 6720-6724.	1.9	10
12	KLi_2CO_3F: a beryllium-free KBBF-type deep-UV carbonate with an enhanced interlayer interaction and large birefringence. Inorganic Chemistry Frontiers, 2022, 9, 3590-3597.	3.0	5
13	Yinâ€“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
14	Homochiral Hybrid Organicâ€“Inorganic Cadmium Chlorides Directed by Enantiopure Amino Acids. Inorganic Chemistry, 2022, 61, 11032-11035.	1.9	14
15	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
16	Reply to the Correspondence on â€œ$K_2Sb(P_2O_7)F$: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performanceâ€• Angewandte Chemie - International Edition, 2021, 60, 3856-3857.	7.2	2
17	Amino acid-templated zinc phosphites: low-dimensional structures, fluorescence, and nonlinear optical properties. Dalton Transactions, 2021, 50, 5442-5445.	1.6	6
18	Centrosymmetric $RbSnF_2NO_3$ vs. noncentrosymmetric $Rb_2SbF_3(NO_3)_2$. Inorganic Chemistry Frontiers, 2021, 8, 3317-3324.	3.0	29

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19	Organically templated metal phosphate-oxalates: Solvent-free synthesis, crystal structure, and proton conduction. Inorganic Chemistry Communication, 2021, 124, 108403.	1.8	9
20	Tin Chloride Sulfates A₃Sn₂(SO₄)_{3â€“x}Cl_{1+2x} (A =) Tj ET Q q 0 0 0 rg BT /Overl	1.4	22
21	Noncentrosymmetric Rb₃(COOH)₃(H₃BO₃)₂ vs Centrosymmetric Cs₃(COOH)₃(H₃BO₃)₂. Crystal Growth and Design, 2021, 21, 5976-5982.	1.4	8
22	Isonicotinic acid-templated metal phosphateâ€“oxalates: solvent-free synthesis, luminescence, and proton conduction. CrystEngComm, 2021, 23, 6855-6858.	1.3	6
23	Indium phosphate oxalates with layered structures: Solvent-free approach, hydrothermal stability, and proton conduction. Inorganic Chemistry Communication, 2021, 133, 108975.	1.8	5
24	Reply to the Correspondence on â€œK 2 Sb(P 2 O 7)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performanceâ€. Angewandte Chemie, 2021, 133, 3900-3901.	1.6	0
25	Crystalline metal phosphates with layered structures: Synthesis, luminescence, and proton conduction. Journal of Solid State Chemistry, 2020, 282, 121067.	1.4	7
26	(NH₄)₃[B(OH)₃]₂(COOH)₃: a graphite-like UV nonlinear optical material with a large birefringenceviastructural optimization. Chemical Communications, 2020, 56, 9982-9985.	2.2	16
27	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
28	The study of structure evolvement of KTiOPO4 family and their nonlinear optical properties. Coordination Chemistry Reviews, 2020, 423, 213491.	9.5	61
29	K₂Sb(P₂O₇)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. Angewandte Chemie, 2020, 132, 21337-21342.	1.6	26
30	K₂Sb(P₂O₇)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. Angewandte Chemie - International Edition, 2020, 59, 21151-21156.	7.2	156
31	Pillared-layered indium phosphites templated by amino acids: isoreticular structures, water stability, and fluorescence. Dalton Transactions, 2020, 49, 14766-14770.	1.6	4
32	Ionothermal synthesis of crystalline metal phosphites using multifunctional protic ionic liquids. CrystEngComm, 2020, 22, 6096-6100.	1.3	5
33	CsHgNO₃Cl₂: 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	Novel ultraviolet (UV) nonlinear optical (NLO) materials discovered by chemical substitution-oriented design. Chemical Science, 2020, 11, 5404-5409.	3.7	201
36	K4Sb(SO4)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

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37	Two amino acid-templated metal phosphates: surfactant-thermal synthesis, water stability, and proton conduction. Dalton Transactions, 2020, 49, 5440-5444.	1.6	10
38	A₆Sb₄F₁₂(SO₄)₃ (A = Rb, Cs): Two Novel Antimony Fluoride Sulfates with Unique Crown-like Clusters. Inorganic Chemistry, 2020, 59, 8345-8352.	1.9	35
39	Clusterâ€“oxalate frameworks with extra-large channels: solvent-free synthesis, chemical stability, and proton conduction. Dalton Transactions, 2019, 48, 13130-13134.	1.6	10
40	Centrosymmetric K₂SO₄·(SbF₃)₂and noncentrosymmetric Rb₂SO₄·(SbF₃)₂resulting from cooperative effects of lone pair and cation size. Inorganic Chemistry Frontiers, 2019, 6, 3125-3132.	3.0	48
41	Rb₃SbF₃(NO₃)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
42	An energy band engineering design to enlarge the band gap of KTiOPO₄(KTP)-type sulfatesviaaliovalent substitution. Journal of Materials Chemistry C, 2019, 7, 8131-8138.	2.7	46
43	Organically templated metal sulfate-oxalates: Solvent-free synthesis, crystal structure, and proton conduction. Journal of Solid State Chemistry, 2019, 276, 1-5.	1.4	8
44	Y₈O(OH)₁₅(CO₃)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
45	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
46	RbSbSO₄Cl₂: 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
47	Deep-Ultraviolet Mixed-Alkali-Metal Borates with Induced Enlarged Birefringence Derived from the Structure Rearrangement of the LiB₃O₅. Inorganic Chemistry, 2019, 58, 5949-5955.	1.9	34
48	CsSbF₂SO₄: An Excellent Ultraviolet Nonlinear Optical Sulfate with a KTiOPO₄ (KTP)â€type Structure. Angewandte Chemie, 2019, 131, 6598-6604.	1.6	72
49	CsSbF₂SO₄: An Excellent Ultraviolet Nonlinear Optical Sulfate with a KTiOPO₄ (KTP)â€type Structure. Angewandte Chemie - International Edition, 2019, 58, 6528-6534.	7.2	280
50	Two low-dimensional metal halides: ionothermal synthesis, photoluminescence, and nonlinear optical properties. Dalton Transactions, 2019, 48, 17451-17455.	1.6	13
51	Synthesis, crystal structures and nonlinear optical properties of polymorphism: Î±- and Î²-RbHgI3Â·H2O. Journal of Alloys and Compounds, 2019, 771, 547-554.	2.8	10
52	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.	2.8	28
53	Cation-tuned synthesis of the A₂SO₄·SbF₃(A = Na⁺,) Tj ETQq1 1 0.784314 rgBT / properties. Dalton Transactions, 2018, 47, 17486-17492.	1.6	60
54	Water stable oxalate-based coordination polymers with in situ generated cyclic dipeptides showing high proton conductivity. Dalton Transactions, 2018, 47, 15288-15292.	1.6	10

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55	Cs₃VO(O₂)₂CO₃: an exceptionally thermostable carbonatoperoxovanadate with an extremely large second-harmonic generation response. Chemical Science, 2018, 9, 8957-8961.	3.7	107
56	Using Multifunctional Ionic Liquids in the Synthesis of Crystalline Metal Phosphites and Hybrid Framework Solids. Inorganic Chemistry, 2018, 57, 14031-14034.	1.9	17
57	Centrosymmetric (NH₄)₂SbCl(SO₄)₂ and Non-centrosymmetric (NH₄)SbCl₂(SO₄): Synergistic Effect of Hydrogen-Bonding Interactions and Lone-Pair Cations on the Framework Structures and Macroscopic Centricities. Crystal Growth and Design, 2018, 18, 6239-6247.	1.4	71
58	Exploring Potential Beryllium-free, Deep-Ultraviolet Optical Crystals in the Rare Earth Fluoride Carbonateâ€“Water System. Crystal Growth and Design, 2018, 18, 3644-3653.	1.4	30
59	Rb₃VO(O₂)₂CO₃: A Fourâ€inâ€One Carbonatoperoxovanadate Exhibiting an Extremely Strong Secondâ€Harmonic Generation Response. Angewandte Chemie - International Edition, 2018, 57, 8619-8622.	7.2	172
60	Hydrogen Bonding Assisted Construction of Graphite-like Deep-UV Optical Materials with Two Types of Parallel Ï€-Conjugated Units. Crystal Growth and Design, 2018, 18, 4756-4765.	1.4	18
61	Ionothermal Synthesis of Open-Framework Metal Phosphates Using a Multifunctional Ionic Liquid. Inorganic Chemistry, 2018, 57, 8726-8729.	1.9	25
62	Rb 3 VO(O 2) 2 CO 3 : A Fourâ€inâ€One Carbonatoperoxovanadate Exhibiting an Extremely Strong Secondâ€Harmonic Generation Response. Angewandte Chemie, 2018, 130, 8755-8758.	1.6	39
63	Perfect balance harmony in Ba₂NO₃(OH)₃: a beryllium-free nitrate as a UV nonlinear optical material. Chemical Communications, 2018, 54, 5792-5795.	2.2	143
64	An inorganic-organic hybrid solid with B5O7(OH)3 clusters bridged and decorated by zincâ€“amine complexes. Inorganic Chemistry Communication, 2018, 96, 97-100.	1.8	1
65	Synthesis and characterization of a new beryllium-free deep-ultraviolet nonlinear optical material: Na2GdCO3F3. Journal of Alloys and Compounds, 2017, 724, 1057-1063.	2.8	29
66	Rb2Na(NO3)3: A Congruently Melting UV-NLO Crystal with a Very Strong Second-Harmonic Generation Response. Crystals, 2016, 6, 42.	1.0	65
67	Pb₂BO₃Cl: A Tailorâ€Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. Angewandte Chemie, 2016, 128, 12257-12261.	1.6	119
68	Pb₂BO₃Cl: A Tailorâ€Made Polar Lead Borate Chloride with Very Strong Second Harmonic Generation. Angewandte Chemie - International Edition, 2016, 55, 12078-12082.	7.2	315
69	Synthesis and characterization of CsSrCO₃F â€“ a beryllium-free new deep-ultraviolet nonlinear optical material. New Journal of Chemistry, 2016, 40, 2243-2248.	1.4	34
70	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.	2.7	136
71	ACdCO₃F (A = K and Rb): new noncentrosymmetric materials with remarkably strong second-harmonic generation (SHG) responses enhanced via Ï€-interaction. RSC Advances, 2015, 5, 84754-84761.	1.7	58
72	Synthesis and characterization of Cd₄YbO(BO₃)₃ â€“ a congruent melting cadmiumâ€“ytterbium oxyborate with large nonlinear optical properties. New Journal of Chemistry, 2014, 38, 6186-6192.	1.4	11

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73	A new alkaline beryllium borate KBe₄B₃O₉ with ribbon alveolate [Be₂BO₅]_{âˆž} layers and the structural evolution of ABe₄B₃O₉(A = K, Rb and Cs). CrystEngComm, 2014, 16, 3971-3976.	1.3	12
74	Sodiumâ€“rare earth carbonates with shorite structure and large second harmonic generation response. CrystEngComm, 2014, 16, 4414.	1.3	41
75	CsPbCO₃F: A Strong Second-Harmonic Generation Material Derived from Enhancement via pâˆ’Ï€ Interaction. Journal of the American Chemical Society, 2013, 135, 18560-18566.	6.6	242
76	Na₈Lu₂(CO₃)₆F₂ and Na₃Lu(CO₃)₂F₂: Rare Earth Fluoride Carbonates as Deep-UV Nonlinear Optical Materials. Chemistry of Materials, 2013, 25, 3147-3153.	3.2	123
77	Synthesis, structure, and characterization of a new promising nonlinear optical crystal: Cd5(BO3)3F. CrystEngComm, 2013, 15, 2422.	1.3	39
78	Cadmium-rare earth oxyborates Cd4ReO(BO3)3 (Re = Y, Gd, Lu): congruently melting compounds with large SHG responses. Journal of Materials Chemistry, 2012, 22, 19911.	6.7	61
79	Alkaline-Alkaline Earth Fluoride Carbonate Crystals ABCO₃F (A = K, Rb, Cs; B = Ca, Sr, Ba) as Nonlinear Optical Materials. Journal of the American Chemical Society, 2011, 133, 20001-20007.	6.6	418