Ling Huang

List of Publications by Year
in descending order

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53 papers	2,677 citations	201674 27 h-index	182427 51 g-index
53 all docs	53 docs citations	53 times ranked	933 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.	5.5	20
2	Highâ€Performance Sulfate Optical Materials Exhibiting Giant Second Harmonic Generation and Large Birefringence. Angewandte Chemie - International Edition, 2022, 61, .	13.8	94
3	Two molybdenyl carbonates with different dimensional structures exhibiting huge differences in band gaps. Inorganic Chemistry Frontiers, 2022, 9, 440-447.	6.0	3
4	Three-dimensional all-inorganic dual halogen emitter Cs₂Cd₂BrCl₅ exhibiting broadband white-light emission. Journal of Materials Chemistry C, 2022, 10, 13844-13850.	5.5	8
5	Highâ€Performance Sulfate Optical Materials Exhibiting Giant Second Harmonic Generation and Large Birefringence. Angewandte Chemie, 2022, 134, e202116790.	2.0	8
6	Unprecedented boat-shaped [Mo₂O₅(IO₃)₄]^{2â^'} polyanions induced a strong second harmonic generation response. Chemical Communications, 2022, 58, 3350-3353.	4.1	16
7	Corrugated 1D Hybrid Metal Halide [C₆H₇ClN]CdCl₃ Exhibiting Broadband White-Light Emission. Inorganic Chemistry, 2022, 61, 4752-4759.	4.0	15
8	Enhanced Interlayer Interaction and Second-Harmonic-Generation Response in a KBe₂BO₃F₂-Type Inorganicâ€“Organic Hybrid Zinc Borate. Inorganic Chemistry, 2022, 61, 6720-6724.	4.0	10
9	KLi₂CO₃F: a beryllium-free KBBF-type deep-UV carbonate with an enhanced interlayer interaction and large birefringence. Inorganic Chemistry Frontiers, 2022, 9, 3590-3597.	6.0	5
10	Yinâ€“Yang Complementarity Strategy Achieving Giant Optical Anisotropy in a Metal-free Birefringent Material C(NH₂)₃(HC₄O₄). Crystal Growth and Design, 2022, 22, 4236-4242.	3.0	2
11	Homochiral Hybrid Organicâ€“Inorganic Cadmium Chlorides Directed by Enantiopure Amino Acids. Inorganic Chemistry, 2022, 61, 11032-11035.	4.0	14
12	Cation-anion synergetic interactions achieving tunable birefringence in quasi-one-dimensional antimony(III) fluoride oxalates. Science China Materials, 2022, 65, 3115-3124.	6.3	25
13	Reply to the Correspondence on â€œK₂Sb(P₂O₇)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performanceâ€• Angewandte Chemie - International Edition, 2021, 60, 3856-3857.	13.8	2
14	Amino acid-templated zinc phosphites: low-dimensional structures, fluorescence, and nonlinear optical properties. Dalton Transactions, 2021, 50, 5442-5445.	3.3	6
15	Centrosymmetric RbSnF₂NO₃ vs. noncentrosymmetric Rb₂SbF₃(NO₃)₂. Inorganic Chemistry Frontiers, 2021, 8, 3317-3324.	6.0	29
16	Tin Chloride Sulfates A₃Sn₂(SO₄)₃â€“x</sub>Cl_{1+2x} (A =) Tj ET Qq0 0 0 rgBT /Overl	4.0	2
17	Noncentrosymmetric Rb₃(COOH)₃(H₃BO₃)₂ vs Centrosymmetric Cs₃(COOH)₃(H₃BO₃)₂. Crystal Growth and Design, 2021, 21, 5976-5982.	3.0	8
18	Isonicotinic acid-templated metal phosphateâ€“oxalates: solvent-free synthesis, luminescence, and proton conduction. CrystEngComm, 2021, 23, 6855-6858.	2.6	6

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19	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.	2.0	0
20	(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.	4.1	16
21	The study of structure evolvement of KTiOPO4 family and their nonlinear optical properties. Coordination Chemistry Reviews, 2020, 423, 213491.	18.8	61
22	K₂Sb(P₂O₇)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. Angewandte Chemie, 2020, 132, 21337-21342.	2.0	26
23	K₂Sb(P₂O₇)F: Cairo Pentagonal Layer with Bifunctional Genes Reveal Optical Performance. Angewandte Chemie - International Edition, 2020, 59, 21151-21156.	13.8	156
24	CsHgNO₃Cl₂: A New Nitrate UV Birefringent Material Exhibiting an Optimized Layered Structure. Inorganic Chemistry, 2020, 59, 12578-12585.	4.0	32
25	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.	3.3	31
26	K4Sb(SO4)3Cl: The first apatite-type sulfate ultraviolet nonlinear optical material with sharply enlarged birefringence. Journal of Alloys and Compounds, 2020, 834, 155154.	5.5	36
27	Two amino acid-templated metal phosphates: surfactant-thermal synthesis, water stability, and proton conduction. Dalton Transactions, 2020, 49, 5440-5444.	3.3	10
28	A₆Sb₄F₁₂(SO₄)₃ (A = Rb, Cs): Two Novel Antimony Fluoride Sulfates with Unique Crown-like Clusters. Inorganic Chemistry, 2020, 59, 8345-8352.	4.0	35
29	Centrosymmetric K₂SO₄Â·(SbF₃)₂and noncentrosymmetric Rb₂SO₄Â·(SbF₃)₂resulting from cooperative effects of lone pair and cation size. Inorganic Chemistry Frontiers, 2019, 6, 3125-3132.	6.0	48
30	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.	3.3	33
31	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.	5.5	46
32	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.	4.1	43
33	Surfactant-Thermal Synthesis of Amino Acid-Templated Zinc Phosphates with 3-Connected Nets Related to Zeolite ABW. Inorganic Chemistry, 2019, 58, 4089-4092.	4.0	20
34	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.	5.5	58
35	Deep-Ultraviolet Mixed-Alkali-Metal Borates with Induced Enlarged Birefringence Derived from the Structure Rearrangement of the LiB₃O₅. Inorganic Chemistry, 2019, 58, 5949-5955.	4.0	34
36	CsSbF₂SO₄: An Excellent Ultraviolet Nonlinear Optical Sulfate with a KTiOPO₄ (KTP)â€type Structure. Angewandte Chemie, 2019, 131, 6598-6604.	2.0	72

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37	CsSbF₂SO₄: An Excellent Ultraviolet Nonlinear Optical Sulfate with a KTiOPO₄ (KTP)â€type Structure. Angewandte Chemie - International Edition, 2019, 58, 6528-6534.	13.8	280
38	Synthesis, crystal structures and nonlinear optical properties of polymorphism: Î±- and Î²-RbHgI3Â·H2O. Journal of Alloys and Compounds, 2019, 771, 547-554.	5.5	10
39	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
40	Cation-tuned synthesis of the A₂SO₄Â·SbF₃(A = Na⁺,) Tj ETQq0 0 0 rgBT /Overlock properties. Dalton Transactions, 2018, 47, 17486-17492.	3.3	60
41	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.	3.0	71
42	Exploring Potential Beryllium-free, Deep-Ultraviolet Optical Crystals in the Rare Earth Fluoride Carbonateâ€“Water System. Crystal Growth and Design, 2018, 18, 3644-3653.	3.0	30
43	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.	3.0	18
44	Perfect balance harmony in Ba₂NO₃(OH)₃: a beryllium-free nitrate as a UV nonlinear optical material. Chemical Communications, 2018, 54, 5792-5795.	4.1	143
45	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
46	Low Temperature Vacuum Synthesis of Triangular CoO Nanocrystal/Graphene Nanosheets Composites with Enhanced Lithium Storage Capacity. Scientific Reports, 2015, 5, 10017.	3.3	47
47	Sulfur quantum dots wrapped by conductive polymer shell with internal void spaces for high-performance lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2015, 3, 4049-4057.	10.3	48
48	Graphene-Enveloped Poly(N-vinylcarbazole)/Sulfur Composites with Improved Performances for Lithiumâ€“Sulfur Batteries by A Simple Vibrating-Emulsification Method. ACS Applied Materials & Interfaces, 2015, 7, 16668-16675.	8.0	24
49	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
50	Polymeric cathode materials of electroactive conducting poly(triphenylamine) with optimized structures for potential organic pseudo-capacitors with higher cut-off voltage and energy density. RSC Advances, 2015, 5, 9221-9227.	3.6	32
51	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.	2.8	11
52	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
53	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.	13.7	418