

Xinglong Chen

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,348
citations

623188

14
h-index

839053

18
g-index

20
all docs

20
docs citations

20
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing an Excellent Deep-Ultraviolet Birefringent Material for Light Polarization. <i>Journal of the American Chemical Society</i> , 2018, 140, 16311-16319.	6.6	350
2	Expanding Frontiers of Ultraviolet Nonlinear Optical Materials with Fluorophosphates. <i>Chemistry of Materials</i> , 2018, 30, 5397-5403.	3.2	193
3	Rational Design via Synergistic Combination Leads to an Outstanding Deep-Ultraviolet Birefringent $\text{Li}_2\text{Na}_2\text{B}_2\text{O}_5$ Material with an Unvalued B_2O_5 Functional Gene. <i>Journal of the American Chemical Society</i> , 2019, 141, 3258-3264.	6.6	177
4	Lead Mixed Oxyhalides Satisfying All Fundamental Requirements for High-Performance Mid-Infrared Nonlinear Optical Materials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7514-7520.	7.2	120
5	$\text{Pb}_{18}\text{O}_8\text{Cl}_{15}\text{I}_5$: A Polar Lead Mixed Oxyhalide with Unprecedented Architecture and Excellent Infrared Nonlinear Optical Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20323-20327.	7.2	110
6	$\text{Na}_2\text{B}_6\text{O}_9\text{F}_2$: A Fluoroborate with Short Cutoff Edge and Deep-Ultraviolet Birefringent Property Prepared by an Open High-Temperature Solution Method. <i>Inorganic Chemistry</i> , 2017, 56, 344-350.	1.9	92
7	Metal oxyhalides: an emerging family of nonlinear optical materials. <i>Chemical Science</i> , 2022, 13, 3942-3956.	3.7	60
8	Lead Mixed Oxyhalides Satisfying All Fundamental Requirements for High-Performance Mid-Infrared Nonlinear Optical Materials. <i>Angewandte Chemie</i> , 2020, 132, 7584-7590.	1.6	44
9	$\text{Li}_3\text{AlSiO}_5$: the first aluminosilicate as a potential deep-ultraviolet nonlinear optical crystal with the quaternary diamond-like structure. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4362-4369.	1.3	40
10	The lone-pairs enhanced birefringence and SHG response: A DFT investigation on $\text{M}_2\text{B}_5\text{O}_9\text{Cl}$ (M= Sr, Ba). <i>TJ ETQq0 0.0 rgBT / Overlock 10</i>	0.9	36
11	Recent Advances in Oxide-Based Nonlinear Optical Materials with Wide Infrared Transparency Beyond 6 μm . <i>Chemistry - an Asian Journal</i> , 2020, 15, 3709-3716.	1.7	30
12	$\text{MBaYB}_6\text{O}_{12}$ (M = Rb, Cs): two new rare-earth borates with large birefringence and short ultraviolet cutoff edges. <i>Dalton Transactions</i> , 2018, 47, 750-757.	1.6	28
13	$\text{Pb}_{18}\text{O}_8\text{Cl}_{15}\text{I}_5$: A Polar Lead Mixed Oxyhalide with Unprecedented Architecture and Excellent Infrared Nonlinear Optical Properties. <i>Angewandte Chemie</i> , 2020, 132, 20503-20507.	1.6	26
14	Chiral Template-Driven Macroscopic Chirality Control: Structure-Second Harmonic Generation Properties Relationship. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 426-434.	1.0	20
15	Second-Harmonic Generation and Photoluminescence Properties of Sn(II)- and Bi(III)-Based Lone Pair Cation-Pyridine Dicarboxylate Coordination Compounds. <i>Inorganic Chemistry</i> , 2020, 59, 11554-11561.	1.9	12
16	Competing Charge/Spin-Stripe and Correlated Metal Phases in Trilayer Nickelates ($\text{Pr}_{1-x}\text{La}_x\text{Ni}_3\text{O}_8$). <i>Chemistry of Materials</i> , 2022, 34, 4560-4567.	3.2	4
17	$\text{Pb}_{18}\text{O}_8\text{Cl}_{15}\text{I}_5$: A Polar Lead Mixed Oxyhalide with Unprecedented Architecture and Excellent Infrared Nonlinear Optical Properties (<i>Angew. Chem.</i> 46/2020). <i>Angewandte Chemie</i> , 2020, 132, 20896-20896.	1.6	0
18	Innentitelbild: Lead Mixed Oxyhalides Satisfying All Fundamental Requirements for High-Performance Mid-Infrared Nonlinear Optical Materials (<i>Angew. Chem.</i> 19/2020). <i>Angewandte Chemie</i> , 2020, 132, 7342-7342.	1.6	0