

# Lin Lin

## List of Publications by Year in descending order

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28  
papers

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citations

566801

15  
h-index

552369

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

345  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen-oxidizing bacteria and their applications in resource recovery and pollutant removal. <i>Science of the Total Environment</i> , 2022, 835, 155559.	3.9	21
2	Giant Optical Anisotropy in the UV-Transparent 2D Nonlinear Optical Material $\text{Sc}(\text{IO})_3(\text{NO})_2$ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3464-3468.	7.2	124
3	Giant Optical Anisotropy in the UV-Transparent 2D Nonlinear Optical Material $\text{Sc}(\text{IO})_3(\text{NO})_2$ . <i>Angewandte Chemie</i> , 2021, 133, 3506-3510.	1.6	46
4	<i>In situ</i> hydrothermal synthesis of polar second-order nonlinear optical selenate $\text{Na}_5(\text{SeO}_4)(\text{HSeO}_4)_3(\text{H}_2\text{O})_2$ . <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3141-3148.	3.0	11
5	First chiral fluorinated lead vanadate selenite $\text{Pb}_2(\text{VO}_2)(\text{SeO}_3)_3$ with five asymmetric motifs and large optical properties. <i>Dalton Transactions</i> , 2021, 50, 7238-7245.	1.6	8
6	Deep-ultraviolet transparent alkali metal-rare earth metal sulfate $\text{NaY}(\text{SO}_4)_2 \cdot \text{H}_2\text{O}$ as a nonlinear optical crystal: synthesis and characterization. <i>CrystEngComm</i> , 2021, 23, 2945-2951.	1.3	14
7	Large Second-Harmonic Response and Giant Birefringence of $\text{CeF}_2(\text{SO}_4)$ Induced by Highly Polarizable Polyhedra. <i>Journal of the American Chemical Society</i> , 2021, 143, 4138-4142.	6.6	147
8	Molecular Engineering toward an Enlarged Optical Band Gap in a Bismuth Sulfate via Homovalent Cation Substitution. <i>Inorganic Chemistry</i> , 2021, 60, 5851-5859.	1.9	12
9	$\text{CsZrF}_4(\text{IO})_3$ : The First Polar Zirconium Iodate with <i>cis</i> - $[\text{ZrO}_2\text{F}_6]$ Polyhedra Inducing Optimized Balance of Large Band Gap and Second Harmonic Generation. <i>Chemistry of Materials</i> , 2021, 33, 5555-5562.	3.2	29
10	Second-order nonlinear optical property of the ultraviolet transparent alkali metal-rare earth metal carbonate $\text{Na}_3\text{Y}(\text{CO}_3)_3 \cdot 3\text{H}_2\text{O}$ . <i>Journal of Solid State Chemistry</i> , 2021, 298, 122095.	1.4	1
11	Solvothermal Syntheses of Three-Dimensional Open-Framework Thioantimonates Displaying Nonlinear Optical Responses. <i>Crystal Growth and Design</i> , 2021, 21, 4757-4764.	1.4	3
12	A Congruent Melting Infrared Nonlinear Optical Vanadate Exhibiting Strong Second Harmonic Generation. <i>Angewandte Chemie</i> , 2021, 133, 22621-22627.	1.6	11
13	A Congruent Melting Infrared Nonlinear Optical Vanadate Exhibiting Strong Second Harmonic Generation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22447-22453.	7.2	37
14	$\text{Rb}_3\text{In}(\text{SO}_4)_3$ : a defluorinated mixed main-group metal sulfate for ultraviolet transparent nonlinear optical materials with a large optical band gap. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5124-5131.	2.7	16
15	Strong SHG Responses in a Beryllium-Free Deep-UV-Transparent Hydroxyborate via Covalent Bond Modification. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27151-27157.	7.2	50
16	Strong SHG Responses in a Beryllium-Free Deep-UV-Transparent Hydroxyborate via Covalent Bond Modification. <i>Angewandte Chemie</i> , 2021, 133, 27357.	1.6	9
17	$\text{Ba}(\text{MoO}_2\text{F})_2(\text{XO}_3)_2$ (X = Se and Te): First Cases of Noncentrosymmetric Fluorinated Molybdenum Oxide Selenite/Tellurite Through Unary Substitution for Enlarging Band Gaps and Second Harmonic Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 49812-49821.	4.0	25
18	$\text{AGa}_3\text{F}_6(\text{SeO}_3)_2$ (A = Rb, Cs): A New Type of Phase-Matchable Hexagonal Tungsten Oxide Material with Strong Second-Harmonic Generation Responses. <i>Chemistry of Materials</i> , 2020, 32, 6906-6915.	3.2	46

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19	Enhancement of Second-Order Optical Nonlinearity in a Lutetium Selenite by Monodentate Anion Partial Substitution. <i>Chemistry of Materials</i> , 2020, 32, 3043-3053.	3.2	40
20	Incorporating rare-earth cations with moderate electropositivity into iodates for the optimized second-order nonlinear optical performance. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2736-2746.	3.0	12
21	Gd(NO <sub>3</sub> ) <sub>3</sub> (SeO <sub>2</sub> ) <sub>2</sub> ·3H <sub>2</sub> O: a nitrate selenite nonlinear optical material with a short ultraviolet cutoff edge. <i>Dalton Transactions</i> , 2020, 49, 3253-3259.	1.6	18
22	Synthesis, crystal structures and optical properties of open-framework gallium phosphates: NaGa <sub>3</sub> F <sub>4</sub> (PO <sub>4</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> and AGa <sub>2</sub> P <sub>2</sub> O <sub>7</sub> (OH) <sub>3</sub> (H <sub>2</sub> O) (A = K, Rb). <i>Journal of Solid State Chemistry</i> , 2020, 288, 121412.	1.4	1
23	K <sub>5</sub> (W <sub>3</sub> O <sub>9</sub> F <sub>4</sub> )(IO <sub>3</sub> ): An Efficient Mid-Infrared Nonlinear Optical Compound with High Laser Damage Threshold. <i>Chemistry of Materials</i> , 2019, 31, 10100-10108.	3.2	92
24	Bit alignment scheme for mobile receiver in molecular communication. , 2017, , .		8
25	Oscillation of molecular machines with enzymes. , 2017, , .		0
26	DNA and RNA sensor. <i>Science in China Series B: Chemistry</i> , 2005, 48, 1-10.	0.8	21
27	Enhancement of the immobilization and discrimination of DNA probe on a biosensor using gold nanoparticles. <i>Science Bulletin</i> , 2001, 46, 1074-1077.	1.7	10
28	Asymmetric Aziridination over Ylides: Highly Stereoselective Synthesis of Acetylenyl-N-sulfonylaziridines. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1317-1319.	4.4	87