

# Junben Huang

## List of Publications by Year in descending order

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19  
papers

431  
citations

1040056

9  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Heteroleptic Tetrahedra as Birefringent or Nonlinear Optical Motifs. <i>Crystal Growth and Design</i> , 2022, 22, 1500-1514.	3.0	9
2	Ba <sub>2</sub> B <sub>5</sub> O <sub>8</sub> (OH) <sub>2</sub> (NO <sub>3</sub> ) <sub>3</sub> ·3H <sub>2</sub> O: the design of an alkaline earth metal borate-nitrate optimized from a hydroxylic borate. <i>Dalton Transactions</i> , 2022, 51, 1979-1984.	3.3	3
3	Hierarchical Modulation of Optical Anisotropy Driven by Metal Cation Polyhedra in Fluorooxoborates M II B 4 O 6 F 2 (M II =Be, Mg, Pb, Zn, Cd). <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	3
4	Screening Nitrides with High Debye Temperatures as Nonlinear Optical Materials. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7047-7053.	3.1	8
5	The tri $\epsilon$ -emitting phosphate phosphors SrIn <sub>2</sub> (P <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> : Tm, Dy, Eu for ratiometric optical thermometer. <i>Journal of the American Ceramic Society</i> , 2022, 105, 6184-6195.	3.8	7
6	Crystal growth, characterization and theoretical studies of the noncentrosymmetric compound Al <sub>3</sub> (IO <sub>3</sub> ) <sub>9</sub> ·(HIO <sub>3</sub> ) <sub>6</sub> ·18H <sub>2</sub> O. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157852.	5.5	3
7	Synergism of multiple functional chromophores significantly enhancing the birefringence in layered non-centrosymmetric chalcogenides. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1588-1598.	6.0	12
8	SrTi(IO <sub>3</sub> ) <sub>6</sub> ·2H <sub>2</sub> O and SrSn(IO <sub>3</sub> ) <sub>6</sub> : distinct arrangements of lone pair electrons leading to large birefringences. <i>RSC Advances</i> , 2021, 11, 10309-10315.	3.6	5
9	Daylight-White-Emitting and Abnormal Thermal Antiquenching Phosphors Based on a Layered Host SrIn <sub>2</sub> (P <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> . <i>Inorganic Chemistry</i> , 2021, 60, 2279-2293.	4.0	30
10	Li <sub>4</sub> MgGe <sub>2</sub> S <sub>7</sub> : The First Alkali and Alkaline $\epsilon$ -Earth Diamond $\epsilon$ -Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24131-24136.	13.8	130
11	Distinctive modulation of optical anisotropy by halogens in $\hat{\Gamma}_2$ -Cd $\epsilon$ -P $\epsilon$ -X (X = Cl, Br, and I). <i>Dalton Transactions</i> , 2021, 50, 12006-12015.	3.3	0
12	Al <sub>8</sub> (BO <sub>3</sub> ) <sub>4</sub> (B <sub>2</sub> O <sub>5</sub> ) <sub>8</sub> : A F-Containing Aluminum Borate Featuring Two Types of Isolated B $\epsilon$ -O Groups. <i>Inorganic Chemistry</i> , 2020, 59, 810-817.	4.0	5
13	Structure-property survey and computer-assisted screening of mid-infrared nonlinear optical chalcogenides. <i>Coordination Chemistry Reviews</i> , 2020, 421, 213379.	18.8	78
14	From BaAl <sub>2</sub> (BO <sub>3</sub> ) <sub>2</sub> O to SnAl <sub>2</sub> (BO <sub>3</sub> ) <sub>2</sub> F <sub>2</sub> : structure transformation based on ion regulation. <i>New Journal of Chemistry</i> , 2020, 44, 9852-9857.	2.8	2
15	Large optical polarizability causing positive effects on the birefringence of planar-triangular BO <sub>3</sub> groups in ternary borates. <i>Dalton Transactions</i> , 2020, 49, 3284-3292.	3.3	15
16	Designing excellent mid-infrared nonlinear optical materials with fluorooxo-functional group of d0 transition metal oxyfluorides. <i>Science China Materials</i> , 2019, 62, 1798-1806.	6.3	49
17	First-principles study lone-pair effects of Sb (III)-S chromophore influence on SHG response in quaternary potassium containing silver antimony sulfides. <i>Journal of Solid State Chemistry</i> , 2017, 249, 215-220.	2.9	10
18	BaCu <sub>2</sub> MIVQ <sub>4</sub> (MIV= Si, Ge, and Sn; Q = S, Se): synthesis, crystal structures, optical performances and theoretical calculations. <i>RSC Advances</i> , 2017, 7, 29378-29385.	3.6	48

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19	Design and Synthesis of a Series of Novel Mixed Borate and Carbonate Halides. Chemistry - A European Journal, 2017, 23, 10451-10459.	3.3	14