

Junben Huang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Li ₄ MgGe ₂ S ₇ : The First Alkali and Alkaline-Earth Diamond-Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24131-24136.	13.8	130
2	Structure-property survey and computer-assisted screening of mid-infrared nonlinear optical chalcogenides. <i>Coordination Chemistry Reviews</i> , 2020, 421, 213379.	18.8	78
3	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
4	BaCu ₂ MIVQ ₄ (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
5	Daylight-White-Emitting and Abnormal Thermal Antiquenching Phosphors Based on a Layered Host SrIn ₂ (P ₂ O ₇) ₂ . <i>Inorganic Chemistry</i> , 2021, 60, 2279-2293.	4.0	30
6	Large optical polarizability causing positive effects on the birefringence of planar-triangular BO ₃ groups in ternary borates. <i>Dalton Transactions</i> , 2020, 49, 3284-3292.	3.3	15
7	Design and Synthesis of a Series of Novel Mixed Borate and Carbonate Halides. <i>Chemistry - A European Journal</i> , 2017, 23, 10451-10459.	3.3	14
8	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
9	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
10	Review of Heteroleptic Tetrahedra as Birefringent or Nonlinear Optical Motifs. <i>Crystal Growth and Design</i> , 2022, 22, 1500-1514.	3.0	9
11	Screening Nitrides with High Debye Temperatures as Nonlinear Optical Materials. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7047-7053.	3.1	8
12	The tri-emitting phosphate phosphors SrIn ₂ (P ₂ O ₇) ₂ : Tm, Dy, Eu for ratiometric optical thermometer. <i>Journal of the American Ceramic Society</i> , 2022, 105, 6184-6195.	3.8	7
13	Al ₈ (BO ₃) ₄ (B ₂ O ₅)F ₈ : A F-Containing Aluminum Borate Featuring Two Types of Isolated B=O Groups. <i>Inorganic Chemistry</i> , 2020, 59, 810-817.	4.0	5
14	SrTi(IO ₃) ₆ ·2H ₂ O and SrSn(IO ₃) ₆ : distinct arrangements of lone pair electrons leading to large birefringences. <i>RSC Advances</i> , 2021, 11, 10309-10315.	3.6	5
15	Crystal growth, characterization and theoretical studies of the noncentrosymmetric compound Al ₃ (IO ₃) ₉ ·(HIO ₃) ₆ ·18H ₂ O. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157852.	5.5	3
16	Ba ₂ B ₅ O ₈ (OH) ₂ (NO ₃) ₃ ·3H ₂ 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
17	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
18	From BaAl ₂ (BO ₃) ₂ O to SnAl ₂ (BO ₃) ₂ F ₂ : structure transformation based on ion regulation. <i>New Journal of Chemistry</i> , 2020, 44, 9852-9857.	2.8	2

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19	Distinctive modulation of optical anisotropy by halogens in $\text{In}^{2+}/\text{In}^{3+}$ -Cd X (X = Cl, Br, and I). Dalton Transactions, 2021, 50, 12006-12015.	3.3	0