

Wei-Long Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Strong Second-Harmonic Generation Material $\text{Cd}_4\text{BiO}(\text{BO}_3)_3$ Originating from 3-Chromophore Asymmetric Structures. <i>Journal of the American Chemical Society</i> , 2010, 132, 1508-1509.	6.6	282
2	SHG Materials SnGa_4Q_7 (Q = S, Se) Appearing with Large Conversion Efficiencies, High Damage Thresholds, and Wide Transparencies in the Mid-Infrared Region. <i>Chemistry of Materials</i> , 2014, 26, 2743-2749.	3.2	118
3	$\text{PbGa}_2\text{MSe}_6$ (M = Si, Ge): Two Exceptional Infrared Nonlinear Optical Crystals. <i>Chemistry of Materials</i> , 2015, 27, 914-922.	3.2	110
4	KMbP_2O_8 (M = Sr, Ba): A New Kind of Noncentrosymmetry Borophosphate with the Three-Dimensional Diamond-like Framework. <i>Inorganic Chemistry</i> , 2009, 48, 6623-6629.	1.9	93
5	$\text{Ba}_8\text{Sn}_4\text{S}_{15}$: A Strong Second Harmonic Generation Sulfide with Zero-Dimensional Crystal Structure. <i>Chemistry of Materials</i> , 2014, 26, 1093-1099.	3.2	92
6	Syntheses and Characterization of New Mid-Infrared Transparency Compounds: Centric $\text{Ba}_2\text{BiGaS}_5$ and Acentric $\text{Ba}_2\text{BiInS}_5$. <i>Inorganic Chemistry</i> , 2011, 50, 5679-5686.	1.9	90
7	Syntheses, Characterization, and Optical Properties of Ternary $\text{Ba}^{\text{II}}\text{Sn}^{\text{IV}}\text{S}$ System Compounds: Acentric $\text{Ba}_7\text{Sn}_5\text{S}_{15}$, Centric BaSn_2S_5 , and Centric $\text{Ba}_6\text{Sn}_7\text{S}_{20}$. <i>Inorganic Chemistry</i> , 2013, 52, 273-279.	1.9	56
8	Graphene quantum dots/Au hybrid nanoparticles as electrocatalyst for hydrogen evolution reaction. <i>Chemical Physics Letters</i> , 2015, 641, 29-32.	1.2	36
9	Syntheses and Magnetic Properties Study of Isostructural $\text{BiM}_2\text{BP}_2\text{O}_{10}$ (M = Co, Ni) Containing a Quasi-1D Linear Chain Structure. <i>Inorganic Chemistry</i> , 2012, 51, 8842-8847.	1.9	32
10	Lone electron-pair enhancement of SHG responses in eulytite-type compounds: $\text{A}_3\text{M}_3(\text{PO}_4)_3$ (A = Pb, M = Bi; A = Ba, M =)	1.9	31
11	A sodium gadolinium phosphate with two different types of tunnel structure: Synthesis, crystal structure, and optical properties of $\text{Na}_3\text{GdP}_2\text{O}_8$. <i>Journal of Solid State Chemistry</i> , 2008, 181, 2165-2170.	1.4	29
12	Syntheses and Characterizations of $\text{Cs}_2\text{Cr}_3(\text{BP}_4\text{O}_{14})(\text{P}_4\text{O}_{13})$ and $\text{CsFe}(\text{BP}_3\text{O}_{11})$ Compounds with Novel Borophosphate Anionic Partial Structures. <i>Inorganic Chemistry</i> , 2010, 49, 2550-2556.	1.9	29
13	Structure determination, electronic and optical properties of $\text{NaGe}_2\text{P}_3\text{O}_{12}$ and $\text{Cs}_2\text{GeP}_4\text{O}_{13}$. <i>Journal of Molecular Structure</i> , 2009, 922, 127-134.	1.8	26
14	Syntheses, crystal and electronic structures of compounds $\text{AM}(\text{PO}_4)_2$ (A = Sr, M = Ti, Sn; A = Ba, M =)	1.8	26
15	Syntheses, Crystal and Electronic Structures, and Characterizations of Quaternary Antiferromagnetic Sulfides: Ba_2MFeS_5 (M = Sb, Bi). <i>Inorganic Chemistry</i> , 2011, 50, 2378-2384.	1.9	23
16	Syntheses of three members of $\text{A}(\text{II})\text{M}(\text{IV})(\text{PO}_4)_2$: luminescence properties of $\text{PbGe}(\text{PO}_4)_2$ and its Eu^{3+} -doped powders. <i>CrystEngComm</i> , 2013, 15, 7089.	1.3	23
17	A series of novel rare-earth bismuth tungstate compounds LnBiW_2O_9 (Ln = Ce, Sm, Eu, Er): Synthesis, crystal structure, optical and electronic properties. <i>Dalton Transactions</i> , 2011, 40, 7357.	1.6	22
18	Design of SHG materials with mid-infrared transparency based on genetic engineering for $\text{Ba}_2\text{BiIn}_5\text{A}_5$ (A =)	6.7	20

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19	Synthesis and characterizations of two anhydrous metal borophosphates: $MII_2BP_3O_{12}$ (M=Fe, In). <i>Journal of Solid State Chemistry</i> , 2010, 183, 1108-1113.	1.4	17
20	Synthesis and Magnetic Properties of a New Borophosphate $SrCo_{2}BPO_{7}$ with a Four-Column Ribbon Structure. <i>Inorganic Chemistry</i> , 2013, 52, 2492-2496.	1.9	17
21	Crystal and band structure of $K_2AlTi(PO_4)_3$ with the langbeinite-type structure. <i>Journal of Alloys and Compounds</i> , 2009, 477, 795-799.	2.8	16
22	$BaM(BS_3)_S$ (M = Sb, Bi): Two New Thioborate Compounds with One-Dimensional Polymeric Chain Structure. <i>Inorganic Chemistry</i> , 2010, 49, 6609-6615.	1.9	16
23	Crystal structure and magnetic properties of $Pb_2Ni(PO_4)_2$. <i>Dalton Transactions</i> , 2013, 42, 5480.	1.6	15
24	A series of lithium rare earth polyphosphates $[LiLn(PO_3)_4]$ (Ln=Tb, Ho, Yb) and their structural, optical, and electronic properties. <i>Journal of Molecular Structure</i> , 2008, 891, 25-29.	1.8	14
25	Synthesis and characterization of a new mid-infrared transparent compound: acentric $Ba_5In_4Te_4S_7$. <i>Dalton Transactions</i> , 2015, 44, 7673-7678.	1.6	14
26	Syntheses, crystal structures, energy bands, and optical characterizations of $Na_5Ln(MoO_4)_4$ (Ln=Gd,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	1.8	13
27	From One-Dimensional Linear Chain to Two-Dimensional Layered Chalcogenides XBi_4S_7 (X = Mn, Fe): Syntheses, Crystal and Electronic Structures, and Physical Properties. <i>Crystal Growth and Design</i> , 2013, 13, 4118-4124.	1.4	13
28	Self-calibrating optic thermometer based on dual-emission nanocomposite. <i>Journal of Alloys and Compounds</i> , 2018, 730, 12-16.	2.8	13
29	Syntheses, crystal structures, and characterizations of $LiM(PO_3)_4$ (M = Y, Dy). <i>Journal of Molecular Structure</i> , 2008, 892, 8-12.	1.8	12
30	Syntheses, crystal structure and luminescent properties of polyborates $PbLnB_7O_{13}$ (Ln = Gd, Sm) with a 2D $[B_7O_{13}]^{\infty}$ framework. <i>Journal of Luminescence</i> , 2018, 195, 134-140.	1.5	12
31	Two new barium indium phosphates with intersecting tunnel structures: $BaIn_2P_4O_{14}$, and $Ba_3In_2P_4O_{16}$. <i>Materials Research Bulletin</i> , 2010, 45, 1796-1802.	2.7	11
32	Syntheses and characterizations of compounds $Ba_4F_4XGa_2S_6$ (X = Cr, Mn, Fe) and $Ba_4F_4MnIn_2S_6$ with 2D layered structures. <i>Dalton Transactions</i> , 2013, 42, 9938.	1.6	11
33	Enhanced near-infrared emission from erbium and cerium oxide codoped silica nanocomposite. <i>Optical Materials Express</i> , 2017, 7, 1007.	1.6	10
34	Syntheses, crystal structures and characterizations of two new quaternary thioborates: $PbMBS_4$ (M) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	1.8	9
35	Long-range and short-range orderings in $K_4Fe_4P_5O_{20}$ with a natrolite-like framework. <i>Dalton Transactions</i> , 2013, 42, 5860.	1.6	9
36	Synthesis, crystal structure and optical properties of an indium phosphate $K_3In_3P_4O_{16}$. <i>Journal of Solid State Chemistry</i> , 2009, 182, 855-861.	1.4	8

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37	Ba ₁₈ F ₁₈ In ₈ S ₂₁ and Ba ₉ F ₁₀ In ₄ S ₁₀ : new kind of mixed anion compounds with the novel low-dimensional structure. <i>CrystEngComm</i> , 2014, 16, 2788.	1.3	8
38	Ba ₁₀ In ₆ Zn ₇ S ₂₆ -nZnS: An Inorganic Composite System with Interface Phase-Matching Tuned for High-Performance Infrared Nonlinear Optical Materials. <i>Inorganic Chemistry</i> , 2019, 58, 3990-3999.	1.9	8
39	KZn ₄ SbO ₇ and KZn ₄ Sb ₃ O ₁₂ : syntheses, structures and photophysics of Sb ⁵⁺ control materials. <i>Dalton Transactions</i> , 2010, 39, 9547.	1.6	7
40	Energy transfer and enhanced near-infrared emission in Er ³⁺ ions doped composite containing In ₂ O ₃ QDs. <i>Materials Research Bulletin</i> , 2017, 91, 9-13.	2.7	7
41	Syntheses, crystal and electronic structures of two new lead indium phosphates: Pb ₂ In ₄ P ₆ O ₂₃ and Pb ₂ In ₃ P ₃ O ₁₁ . <i>Solid State Sciences</i> , 2009, 11, 2008-2015.	1.5	5
42	Syntheses, crystal and electronic structures, and characterizations of the mixed anions compounds Ba ₄ In ₂ Te ₂ Q ₅ (Q = S, Se). <i>CrystEngComm</i> , 2013, 15, 4773.	1.3	5
43	K ₄ Fe ₄ P ₅ O ₂₀ : A New Mixed Valence Microporous Compound with Elliptical Eight-Ring Channels. <i>Inorganic Chemistry</i> , 2012, 51, 7469-7471.	1.9	3
44	Synthesis and magnetic properties of a quaternary compound Ba ₃ F ₂ MnSe ₃ with one-dimensional tetragonal chain structure. <i>Inorganic Chemistry Communication</i> , 2013, 33, 73-74.	1.8	2
45	Synthesis, structure, optical properties, antifungal and antibacterial activities of 2-(1-oxo-1H-2,3-dihydroisoindol-2-yl)-3-imidazolyl-L-lactamic acid. <i>Journal of Molecular Structure</i> , 2013, 1050, 211-215.	1.8	2
46	Syntheses and Characterizations of Three Bismuth(III)-Containing Mixed-Metal Phosphates: Ba ₂ Bi ₂ M ^{II} (PO ₄) ₄ (M= Mn, Ni, Tj) <i>Opto Eng</i> 2010, 49, 040501	0.0	0
47	Structural Designs and Property Characterizations for Second-Harmonic Generation Materials. <i>Structure and Bonding</i> , 2012, , 1-41.	1.0	1
48	Accurate assembly of ZnO nanoclusters at the ends of multi-walled carbon nanotubes in a microemulsion system. <i>Micro and Nano Letters</i> , 2016, 11, 848-850.	0.6	1
49	Syntheses, structural and characterizations of a new anhydrous mixed-metal phosphate. <i>Inorganica Chimica Acta</i> , 2016, 449, 9-13.	1.2	1
50	Syntheses and Properties of Some Bi-Containing Compounds with Noncentrosymmetric Structure. <i>Springer Series in Materials Science</i> , 2013, , 321-341.	0.4	1
51	Band Structures and Optical Properties of CBOB Crystal Material Based on First-Principles Study. <i>Advanced Materials Research</i> , 0, 216, 1-5.	0.3	0