Wei-Long Zhang

List of Publications by Year
in descending order

51 papers	1,422 citations	430874 18 h-index	330143 37 g-index
67 all docs	67 docs citations	67 times ranked	1071 citing authors

#	Article	IF	Citations
1	A Strong Second-Harmonic Generation Material Cd₄BiO(BO₃)₃ Originating from 3-Chromophore Asymmetric Structures. Journal of the American Chemical Society, 2010, 132, 1508-1509.	13.7	282
2	SHG Materials SnGa₄Q₇ (Q = S, Se) Appearing with Large Conversion Efficiencies, High Damage Thresholds, and Wide Transparencies in the Mid-Infrared Region. Chemistry of Materials, 2014, 26, 2743-2749.	6.7	118
3	PbGa₂MSe₆ (M = Si, Ge): Two Exceptional Infrared Nonlinear Optical Crystals. Chemistry of Materials, 2015, 27, 914-922.	6.7	110
4	KMBP₂O₈ (M = Sr, Ba): A New Kind of Noncentrosymmetry Borophosphate with the Three-Dimensional Diamond-like Framework. Inorganic Chemistry, 2009, 48, 6623-6629.	4.0	93
5	Ba₈Sn₄S₁₅: A Strong Second Harmonic Generation Sulfide with Zero-Dimensional Crystal Structure. Chemistry of Materials, 2014, 26, 1093-1099.	6.7	92
6	Syntheses and Characterization of New Mid-Infrared Transparency Compounds: Centric Ba₂BiGaS₅ and Acentric Ba₂BiInS₅. Inorganic Chemistry, 2011, 50, 5679-5686.	4.0	90
7	Syntheses, Characterization, and Optical Properties of Ternary Baâ€“Snâ€“S System Compounds: Acentric Ba₇Sn₅S₁₅, Centric BaSn₂S₅, and Centric Ba₆Sn₇S₂₀. Inorganic Chemistry, 2013, 52, 273-279.	4.0	56
8	Graphene quantum dots/Au hybrid nanoparticles as electrocatalyst for hydrogen evolution reaction. Chemical Physics Letters, 2015, 641, 29-32.	2.6	36
9	Syntheses and Magnetic Properties Study of Isostructural BiM₂BP₂O₁₀ (M = Co, Ni) Containing a Quasi-1D Linear Chain Structure. Inorganic Chemistry, 2012, 51, 8842-8847.	4.0	32
10	Lone electron-pair enhancement of SHG responses in eulytite-type compounds: A^{II}₃M^{III}(PO₄)₃(A = Pb, M = Bi; A = Ba, M =) Tj ETQq0 0 0 rgBT /Overloc	3.0	31
11	A sodium gadolinium phosphate with two different types of tunnel structure: Synthesis, crystal structure, and optical properties of Na3GdP2O8. Journal of Solid State Chemistry, 2008, 181, 2165-2170.	2.9	29
12	Syntheses and Characterizations of Cs2Cr3(BP4O14)(P4O13) and CsFe(BP3O11) Compounds with Novel Borophosphate Anionic Partial Structures. Inorganic Chemistry, 2010, 49, 2550-2556.	4.0	29
13	Structure determination, electronic and optical properties of NaGe2P3O12 and Cs2GeP4O13. Journal of Molecular Structure, 2009, 922, 127-134.	3.6	26
14	Syntheses, crystal and electronic structures of compounds AM(PO4)2 (A = Sr, M = Ti, Sn; A = Ba, M =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.5	26
15	Syntheses, Crystal and Electronic Structures, and Characterizations of Quaternary Antiferromagnetic Sulfides: Ba₂MFeS₅(M = Sb, Bi). Inorganic Chemistry, 2011, 50, 2378-2384.	4.0	23
16	Syntheses of three members of A(II)M(IV)(PO4)2: luminescence properties of PbGe(PO4)2 and its Eu3+-doped powders. CrystEngComm, 2013, 15, 7089.	2.6	23
17	A series of novel rare-earth bismuth tungstate compounds LnBiW2O9 (Ln = Ce, Sm, Eu, Er): Synthesis, crystal structure, optical and electronic properties. Dalton Transactions, 2011, 40, 7357.	3.3	22
18	Design of SHG materials with mid-infrared transparency based on genetic engineering for Ba2BiInA5 (A) Tj ETQq0 0 0 rgBT /Overlock 10	6.7	20

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19	Synthesis and characterizations of two anhydrous metal borophosphates: MIII2BP3O12 (M=Fe, In). Journal of Solid State Chemistry, 2010, 183, 1108-1113.	2.9	17
20	Synthesis and Magnetic Properties of a New Borophosphate SrCo₂BPO₇ with a Four-Column Ribbon Structure. Inorganic Chemistry, 2013, 52, 2492-2496.	4.0	17
21	Crystal and band structure of K2AlTi(PO4)3 with the langbeinite-type structure. Journal of Alloys and Compounds, 2009, 477, 795-799.	5.5	16
22	BaM(BS₃)S (M = Sb, Bi): Two New Thioborate Compounds with One-Dimensional Polymeric Chain Structure. Inorganic Chemistry, 2010, 49, 6609-6615.	4.0	16
23	Crystal structure and magnetic properties of Pb2Ni(PO4)2. Dalton Transactions, 2013, 42, 5480.	3.3	15
24	A series of lithium rare earth polyphosphates [LiLn(PO3)4] (Ln=Tb, Ho, Yb) and their structural, optical, and electronic properties. Journal of Molecular Structure, 2008, 891, 25-29.	3.6	14
25	Synthesis and characterization of a new mid-infrared transparent compound: acentric Ba₅In₄Te₄S₇. Dalton Transactions, 2015, 44, 7673-7678.	3.3	14
26	Syntheses, crystal structures, energy bands, and optical characterizations of Na5Ln(MoO4)4 (Ln=Gd,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.6	13
27	From One-Dimensional Linear Chain to Two-Dimensional Layered Chalcogenides XBi₄S₇ (X = Mn, Fe): Syntheses, Crystal and Electronic Structures, and Physical Properties. Crystal Growth and Design, 2013, 13, 4118-4124.	3.0	13
28	Self-calibrating optic thermometer based on dual-emission nanocomposite. Journal of Alloys and Compounds, 2018, 730, 12-16.	5.5	13
29	Syntheses, crystal structures, and characterizations of LiM(PO3)4 (M = Y, Dy). Journal of Molecular Structure, 2008, 892, 8-12.	3.6	12
30	Syntheses, crystal structure and luminescent properties of polyborates PbLnB7O13 (Ln = Gd, Sm) with a 2D [B7O13]â^ž framework. Journal of Luminescence, 2018, 195, 134-140.	3.1	12
31	Two new barium indium phosphates with intersecting tunnel structures: BaIn2P4O14, and Ba3In2P4O16. Materials Research Bulletin, 2010, 45, 1796-1802.	5.2	11
32	Syntheses and characterizations of compounds Ba4F4XGa2S6 (X = Cr, Mn, Fe) and Ba4F4MnIn2S6 with 2D layered structures. Dalton Transactions, 2013, 42, 9938.	3.3	11
33	Enhanced near-infrared emission from erbium and cerium oxide codoped silica nanocomposite. Optical Materials Express, 2017, 7, 1007.	3.0	10
34	Syntheses, crystal structures and characterizations of two new quaternary thioborates: PbMBS4 (M) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.3	9
35	Long-range and short-range orderings in K4Fe4P5O20 with a natrolite-like framework. Dalton Transactions, 2013, 42, 5860.	3.3	9
36	Synthesis, crystal structure and optical properties of an indium phosphate K3In3P4O16. Journal of Solid State Chemistry, 2009, 182, 855-861.	2.9	8

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37	Ba18F18In8S21 and Ba9F10In4S10: new kind of mixed anion compounds with the novel low-dimensional structure. CrystEngComm, 2014, 16, 2788.	2.6	8
38	Ba10In6Zn7S26-nZnS: An Inorganic Composite System with Interface Phase-Matching Tuned for High-Performance Infrared Nonlinear Optical Materials. Inorganic Chemistry, 2019, 58, 3990-3999.	4.0	8
39	KZn4SbO7 and KZn4Sb3O12: syntheses, structures and photophysics of Sb5+ control materials. Dalton Transactions, 2010, 39, 9547.	3.3	7
40	Energy transfer and enhanced near-infrared emission in Er 3+ ions doped composite containing In 2 O 3 QDs. Materials Research Bulletin, 2017, 91, 9-13.	5.2	7
41	Syntheses, crystal and electronic structures of two new lead indium phosphates: Pb2In4P6O23 and Pb2InP3O11. Solid State Sciences, 2009, 11, 2008-2015.	3.2	5
42	Syntheses, crystal and electronic structures, and characterizations of the mixed anions compounds Ba4In2Te2Q5 (Q = S, Se). CrystEngComm, 2013, 15, 4773.	2.6	5
43	K4Fe4P5O20: A New Mixed Valence Microporous Compound with Elliptical Eight-Ring Channels. Inorganic Chemistry, 2012, 51, 7469-7471.	4.0	3
44	Synthesis and magnetic properties of a quaternary compound Ba3F2MnSe3 with one-dimensional tetragonal chain structure. Inorganic Chemistry Communication, 2013, 33, 73-74.	3.9	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. Journal of Molecular Structure, 2013, 1050, 211-215.	3.6	2
46	Syntheses and Characterizations of Three Bismuth(III)-Containing Mixed-Metal Phosphates:Ba₂Bi₂M^{II}(PO₄)₄(M= Mn, Ni,) Tj ETQq0 0 0 rgBT /Overloc	1.0	2
47	Structural Designs and Property Characterizations for Second-Harmonic Generation Materials. Structure and Bonding, 2012, , 1-41.	1.0	1
48	Accurate assembly of ZnO nanoclusters at the ends of multiâ€walled carbon nanotubes in a microemulsion system. Micro and Nano Letters, 2016, 11, 848-850.	1.3	1
49	Syntheses, structural and characterizations of a new anhydrous mixed-metal phosphate. Inorganica Chimica Acta, 2016, 449, 9-13.	2.4	1
50	Syntheses and Properties of Some Bi-Containing Compounds with Noncentrosymmetric Structure. Springer Series in Materials Science, 2013, , 321-341.	0.6	1
51	Band Structures and Optical Properties of CBOB Crystal Material Based on First-Principles Study. Advanced Materials Research, 0, 216, 1-5.	0.3	0