

Xian Zhang

List of Publications by Year in descending order

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471509

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docs citations

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times ranked

1358
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational Crystal Structure Design and Nonlinear-Optical Properties of Noncentrosymmetric RbCu_2Nb_4 . <i>Inorganic Chemistry</i> , 2022, 61, 657-663.	4.0	2
2	Heteroanionic Melilite Oxysulfide: A Promising Infrared Nonlinear Optical Candidate with a Strong Second-Harmonic Generation Response, Sufficient Birefringence, and Wide Bandgap. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23645-23652.	8.0	33
3	Structural dimension modulation in a new oxysulfide system of $\text{Ae}_2\text{Sb}_2\text{O}_2\text{S}_3$ (Ae = Ca and Ba). <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3552-3558.	6.0	4
4	Improved Polarization in the $\text{Sr}_6\text{Cd}_2\text{Sb}_6\text{O}_7\text{Se}_{10}$ Oxyselenide through Design of Lateral Sublattices for Efficient Photoelectric Conversion. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
5	A novel two-dimensional oxysulfide $\text{Sr}_{3.5}\text{Pb}_{2.5}\text{Sb}_6\text{O}_5\text{S}_{10}$: synthesis, crystal structure, and photoelectric properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11018-11021.	5.5	7
6	Synthesis, crystal structure, and magnetic properties of layered $\text{SmCrS}_{2-x}\text{Se}_x\text{O}$ solid solutions. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3980-3986.	6.0	2
7	Intrinsically low thermal conductivity in a p-type semiconductor SrOCuBiSe_2 with a [SrO]-intercalated CuBiSe_2 structure. <i>Chemical Communications</i> , 2020, 56, 4356-4359.	4.1	6
8	$\text{Sr}_5\text{Ga}_8\text{O}_3\text{S}_{14}$: A Nonlinear Optical Oxysulfide with Melilite-Derived Structure and Wide Band Gap. <i>Inorganic Chemistry</i> , 2020, 59, 9944-9950.	4.0	36
9	Synthesis, crystal structure, and optical properties of $\text{Ba}_2\text{SbO}_2\text{SX}$ (X = Br, I) oxy-chalcohalides. <i>Journal of Solid State Chemistry</i> , 2019, 278, 120811.	2.9	4
10	Synthesis, crystal structures and optical properties of noncentrosymmetric oxysulfides AeGeS_2O (Ae = Sr, Ba). <i>Dalton Transactions</i> , 2019, 48, 14662-14668.	3.3	35
11	$\text{K}_x[\text{Bi}_4\text{Mn}_x\text{S}_6]$, Design of a Highly Selective Ion Exchange Material and Direct Gap 2D Semiconductor. <i>Journal of the American Chemical Society</i> , 2019, 141, 16903-16914.	13.7	22
12	Synthesis, Crystal Structure, and Physical Properties of Layered LnCrSe_2O ($\text{Ln} = \text{Ce-Nd}$). <i>Inorganic Chemistry</i> , 2019, 58, 9482-9489.	4.0	5
13	Crystal structure design and multiband physical properties of quaternary sulfide $\text{Ba}_5\text{Bi}_2\text{Co}_2\text{S}_{10}$ for optoelectronic conversion. <i>Chemical Communications</i> , 2019, 55, 4809-4812.	4.1	5
14	$\text{Sr}_6\text{Cd}_2\text{Sb}_6\text{O}_7\text{S}_{10}$: Strong SHG Response Activated by Highly Polarizable Sb/O/S Groups. <i>Angewandte Chemie</i> , 2019, 131, 8162-8165.	2.0	19
15	$\text{Sr}_6\text{Cd}_2\text{Sb}_6\text{O}_7\text{S}_{10}$: Strong SHG Response Activated by Highly Polarizable Sb/O/S Groups. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8078-8081.	13.8	99
16	Enhanced Photoelectric SrOCuSbS_2 of a [SrO]-Intercalated CuSbS_2 Structure. <i>Inorganic Chemistry</i> , 2019, 58, 69-72.	4.0	13
17	Synthesis, structure, magnetic and optoelectric properties of layered $\text{NaM}_{0.5}\text{Sn}_{0.5}\text{S}_2$ (M= Mn, Fe). <i>Journal of Alloys and Compounds</i> , 2018, 746, 328-334.	5.5	1
18	Synthesis, Structure, and Optical Properties of Antiperovskite-Derived $\text{Ba}_2\text{MQ}_3\text{X}$ (M = As, Sb; Q = S, Se; X = Cl, Br, I) Chalcohalides. <i>Inorganic Chemistry</i> , 2018, 57, 1449-1454.	4.0	18

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19	Intermediate Band Material of Titanium-Doped Tin Disulfide for Wide Spectrum Solar Absorption. <i>Inorganic Chemistry</i> , 2018, 57, 3956-3962.	4.0	35
20	Shadow Block: Accelerating ORAM Accesses with Data Duplication. , 2018, , .		13
21	Syntheses, crystal structures and magnetic properties of two new chromium chalcogenides Cr(en)3SbSe4 and Cr(en)2AsSe3. <i>Journal of Alloys and Compounds</i> , 2018, 768, 970-977.	5.5	1
22	Synthesis, Crystal Structure, and Optical Properties of Noncentrosymmetric Na₂ZnSnS₄. <i>Inorganic Chemistry</i> , 2018, 57, 9918-9924.	4.0	26
23	Observation of High Seebeck Coefficient and Low Thermal Conductivity in [SrO]-Intercalated CuSbSe2 Compound. <i>Chemistry of Materials</i> , 2018, 30, 5539-5543.	6.7	23
24	Enhancement of Solar Energy Absorption and Optoelectronic Properties of SrCuSbS₃ by Lead Doping. <i>Solar Rrl</i> , 2018, 2, 1800021.	5.8	9
25	Selenium doping NaCl-type superconductor: SnAs 1â ^x Se x (x=0â€“0.13). <i>Journal of Solid State Chemistry</i> , 2017, 252, 106-110.	2.9	3
26	Toss-up Wear Leveling. , 2017, , .		16
27	Protect non-volatile memory from wear-out attack based on timing difference of row buffer hit/miss. , 2017, , .		8
28	An Intermediate Band Material K₂CdSnSe₄ and Its Visibleâ€“Light Photocatalytic Activity. <i>ChemistrySelect</i> , 2017, 2, 5655-5659.	1.5	2
29	Synthesis, crystal structure and optical properties of K2Cu2GeS4. <i>Journal of Alloys and Compounds</i> , 2017, 725, 557-562.	5.5	9
30	Bi3+-doped CH3NH3PbI3: Red-shifting absorption edge and longer charge carrier lifetime. <i>Journal of Alloys and Compounds</i> , 2017, 695, 555-560.	5.5	39
31	Pin Tumbler Lock: A shift based encryption mechanism for racetrack memory. , 2016, , .		4
32	A novel PUF based on cell error rate distribution of STT-RAM. , 2016, , .		10
33	Solvothermal synthesis, structure and physical properties of Cs[Cr(en)₂MSe₄] (M = Ge, Sn) with [MSe₄] ⁴⁻ tetrahedra as chelating ligand. <i>Dalton Transactions</i> , 2016, 45, 9097-9102.	3.3	6
34	Synthesis, crystal structure and physical properties of FeV4S8 and KFe2V8S16. <i>RSC Advances</i> , 2016, 6, 8277-8281.	3.6	1
35	Synthesis, structure, and optical properties of K_{2.4}Ga_{2.4}M_{1.6}Q₈ (M = Si, Ge; Q = S, Se) crystals and glasses. <i>RSC Advances</i> , 2016, 6, 76789-76794.	3.6	2
36	Semiconductive K₂MSbS₃(SH) (M = Zn, Cd) Featuring One-Dimensional _{âž}¹[M₂Sb₂S₆(SH₂)]^{4â€“} Chains. <i>Inorganic Chemistry</i> , 2016, 55, 9742-9747.	4.0	18

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37	Crystal Growth, Structure, Resistivity, Magnetic, and Photoelectric Properties of One-Dimensional Selenometallate $Ba_2BiFeSe_5$. Chemistry - an Asian Journal, 2016, 11, 3436-3442.	3.3	7
38	Synthesis, crystal structure, electronic structure, and photoelectric response properties of KCu_2SbS_3 . Dalton Transactions, 2016, 45, 3473-3479.	3.3	36
39	Synthesis, crystal structure and physical properties of $[Li_{0.85}Fe_{0.15}OH][FeS]$. RSC Advances, 2015, 5, 38248-38253.	3.6	18
40	Antiperovskite Chalco-Halides $Ba_3(FeS_4)Cl$, $Ba_3(FeS_4)Br$ and $Ba_3(FeSe_4)Br$ with Spin Super-Super Exchange. Scientific Reports, 2015, 5, 15910.	3.3	15
41	Synthesis, structure, magnetic and photoelectric properties of $Ln_3M_{0.5}M^2Se_7$ ($Ln = La, Ce, Sm$; $M = Fe, Mn$; $M^2 = Si, Ge$) and $La_3MnGaSe_7$. RSC Advances, 2015, 5, 52629-52635.	3.6	18
42	Synthesis, Crystal Structure, and Photoelectric Properties of a New Layered Bismuth Oxysulfide. Inorganic Chemistry, 2015, 54, 5768-5773.	4.0	49
43	Thermal Decomposition of Bismuth Oxysulfide from Photoelectric Bi_2O_2S to Superconducting $Bi_4O_4S_3$. ACS Applied Materials & Interfaces, 2015, 7, 4442-4448.	8.0	113
44	Observation of Superconductivity in Tetragonal FeS. Journal of the American Chemical Society, 2015, 137, 10148-10151.	13.7	170
45	Synthesis, Structure, Multiband Optical, and Electrical Conductive Properties of a 3D Open Cubic Framework Based on $[Cu_8Sn_6S_{24}]^{2-}$ Clusters. Inorganic Chemistry, 2015, 54, 5301-5308.	4.0	28
46	Semiconductor $Pb_2P_2S_6$ and size-dependent band gap energy of its nanoparticles. RSC Advances, 2014, 4, 34288-34293.	3.6	9
47	Quaternary Sulfide $Ba_6Zn_6ZrS_{14}$: Synthesis, Crystal Structure, Band Structure, and Multiband Physical Properties. Chemistry - A European Journal, 2014, 20, 5977-5982.	3.3	19
48	Synthesis and characterization of a novel quaternary chalcogenide $KBiCu_2S_3$. Journal of Alloys and Compounds, 2014, 591, 6-10.	5.5	12
49	Synthesis, structure, magnetic and photo response properties of $La_3CuGaSe_7$. Journal of Alloys and Compounds, 2014, 610, 671-675.	5.5	19
50	Antiferromagnetic Quaternary Chalco-Halide $Ba_3(FeS_4)I$ with Long $Fe\cdots Fe$ Distances. Journal of Materials Chemistry C, 0, , .	5.5	1