

# Ganghua Zhang

## List of Publications by Year in descending order

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52  
papers

1,243  
citations

361296

20  
h-index

377752

34  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1883  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Visible-light photovoltaic effect in multiferroic Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> thin film. <i>Materials Letters</i> , 2022, 309, 131411.  | 1.3 | 4         |
| 2  | Green route synthesis of K <sub>2</sub> SiF <sub>6</sub> :Mn <sup>4+</sup> red phosphor through a brief one-step co-precipitation method for warm white light LEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 2204-2212.   | 1.1 | 3         |
| 3  | Controllable direct growth and patterning of graphene based transparent and conductive films on insulating substrates via Cu nanoparticles assisted-catalysis method. <i>Diamond and Related Materials</i> , 2022, 123, 108868.  | 1.8 | 2         |
| 4  | Tendentious multiple sites occupation towards white light emission in single-phase Ba <sub>2</sub> (1- $\beta$ )Ca(1- $\beta$ )SrB <sub>2</sub> Si <sub>4</sub> O <sub>14</sub> :Eu <sup>2+</sup> phosphors. <i>Journal of Solid State Chemistry</i> , 2022, 309, 122963.                          | 1.4 | 9         |
| 5  | Polarization-Enhanced Photovoltaic Effects in a High-Temperature Molecular Ferroelectric [C <sub>6</sub> N <sub>2</sub> H <sub>18</sub> ][Sb <sub>5</sub> ]-Based Solar Device. <i>ACS Applied Energy Materials</i> , 2022, 5, 2738-2746.  | 2.5 | 4         |
| 6  | A garnet-structured (Y, Ca) <sub>3</sub> (Al, Mg) <sub>2</sub> (Al, Si) <sub>3</sub> O <sub>12</sub> :Ce <sup>3+</sup> phosphor-in-glass engineering for use in high color rendering white LEDs. <i>AIP Advances</i> , 2022, 12, .   | 0.6 | 1         |
| 7  | Polarization-enhanced photoelectrochemical properties of BaTiO <sub>3</sub> /BaTiO <sub>3</sub> <sup>x</sup> /CdS heterostructure nanocubes. <i>Dalton Transactions</i> , 2021, 50, 3137-3144.   | 1.6 | 15        |
| 8  | Tuning Coordination Environments of Dopants through Topochemical Reaction Enables Substantial Enhancement of Luminescence in Mn <sup>4+</sup> -Doped Perovskite. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4646-4654.  | 1.5 | 9         |
| 9  | A Novel Red-Emitting Na <sub>2</sub> NbOF <sub>5</sub> :Mn <sup>4+</sup> Phosphor with Ultrahigh Color Purity for Warm White Lighting and Wide-Gamut Backlight Displays. <i>Materials</i> , 2021, 14, 5317.  | 1.3 | 14        |
| 10 | All solution-processed silver nanowires composite silica nanospheres antireflection structure with synergetic optoelectronic performance. <i>New Journal of Chemistry</i> , 2021, 45, 15215-15222.   | 1.4 | 1         |
| 11 | Visible-light photoelectric response in semiconducting quaternary oxysulfide FeOCuS with anti-PbO-type structure. <i>Chemical Communications</i> , 2021, 57, 13393-13396.  | 2.2 | 8         |
| 12 | Intense red emission from Sr <sub>4</sub> Nb <sub>2</sub> O <sub>9</sub> :Eu <sup>3+</sup> phosphor by introducing with SrF <sub>2</sub> as flux and charge compensator. <i>Journal of Luminescence</i> , 2020, 217, 116771.   | 1.5 | 11        |
| 13 | ThCr <sub>2</sub> Si <sub>2</sub> -type quaternary chalcogenides as efficient Pt-free counter electrodes for dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152797.   | 2.8 | 8         |
| 14 | Polarization-enhanced photoelectric performance in a molecular ferroelectric hexane-1,6-diammonium pentaiodobismuth (HDA-BiI <sub>5</sub> )-based solar device. <i>RSC Advances</i> , 2020, 10, 1198-1203.   | 1.7 | 10        |
| 15 | Visible-light photovoltaic effect in high-temperature ferroelectric BaFe <sub>4</sub> O <sub>7</sub> . <i>Journal of Materials Chemistry C</i> , 2020, 8, 16234-16240.   | 2.7 | 10        |
| 16 | Red emission from a novel rare earth free oxide-based CaO $\cdot$ 0.5Al <sub>2</sub> O <sub>3</sub> $\cdot$ 0.5Nb <sub>2</sub> O <sub>5</sub> :Mn <sup>4+</sup> phosphor with high water-resistance property. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3057-3062. | 1.1 | 0         |
| 17 | The photoluminescence adjustment of red phosphors ANaWO <sub>2</sub> F <sub>4</sub> :Mn <sup>4+</sup> (A=Li, Na, K) by suitable tolerance factor designing. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 4535-4541.   | 1.1 | 6         |
| 18 | High quantum yield red-emission phosphor Li <sub>2</sub> Ge <sub>4</sub> O <sub>9</sub> :Mn <sup>4+</sup> for WLEDs application. <i>Optical Materials</i> , 2019, 98, 109442.  | 1.7 | 16        |

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|----|--|-----|-----------|
| 19 | Giant enhancements in electronic transport and photoelectric properties of bismuth oxysulfide by pressure-driven 2D→3D structural reconstruction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4019-4025.                        | 5.2 | 35        |
| 20 | Enhanced thermoelectric performance of higher manganese silicides by shock-induced high-density dislocations. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3384-3390.  | 5.2 | 26        |
| 21 | Ni nanocrystals tuning low-frequency colossal permittivity of epitaxial BaTiO <sub>3</sub> matrix. <i>Journal of Alloys and Compounds</i> , 2019, 801, 460-464.  | 2.8 | 2         |
| 22 | Graphene transparent conductive films directly grown on quartz substrates by assisted catalysis of Cu nanoparticles. <i>Journal of Materials Science</i> , 2019, 54, 10312-10324.  | 1.7 | 8         |
| 23 | Moth-eye-like antireflection coatings based on close-packed solid/hollow silica nanospheres. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 330-338.   | 1.1 | 14        |
| 24 | Enhanced performance of graphene transparent conductive films by introducing SiO <sub>2</sub> bilayer antireflection nanostructure. <i>New Journal of Chemistry</i> , 2019, 43, 19063-19068.   | 1.4 | 4         |
| 25 | Enhanced visible-light-driven photocatalytic activity of BiFeO <sub>3</sub> via electric-field control of spontaneous polarization. <i>Journal of Alloys and Compounds</i> , 2019, 783, 943-951.                                       | 2.8 | 48        |
| 26 | Enhanced solar absorption and visible-light photocatalytic and photoelectrochemical properties of aluminium-reduced BaTiO <sub>3</sub> nanoparticles. <i>Chemical Communications</i> , 2018, 54, 723-726.                              | 2.2 | 54        |
| 27 | Facile fabrication of well-polarized Bi <sub>2</sub> WO <sub>6</sub> nanosheets with enhanced visible-light photocatalytic activity. <i>Catalysis Science and Technology</i> , 2018, 8, 6420-6428.                                     | 2.1 | 26        |
| 28 | Pressure-induced charge density wave phase in $A_xB_{1-x}C_2$ ( $A = \text{K, Rb, Cs}$ ; $B = \text{V, Nb, Ta}$ ; $C = \text{S, Se}$ ). <i>Physical Review B</i> , 2018, 98, .   | 1.1 | 3         |
| 29 | Facile synthesis and magnetic and electrical properties of layered chalcogenides K <sub>2</sub> CoCu <sub>3</sub> Q <sub>4</sub> (Q for S and Se). <i>Dalton Transactions</i> , 2018, 47, 14968-14974.                                 | 1.6 | 6         |
| 30 | Enhanced Ferroelectric and Visible-Light Photoelectric Properties in Multiferroic KBiFe <sub>2</sub> O <sub>5</sub> via Pressure-Induced Phase Transition. <i>Advanced Electronic Materials</i> , 2017, 3, 1600498.                    | 2.6 | 34        |
| 31 | Electrocaloric effect in Pb-free Sr-doped BaTi <sub>0.9</sub> Sn <sub>0.1</sub> O <sub>3</sub> ceramics. <i>Materials Research Bulletin</i> , 2017, 91, 31-35.   | 2.7 | 27        |
| 32 | Facile Synthesis, Magnetic and Electric Characterization of Mixed Valence La <sub>0.75</sub> K <sub>0.25</sub> AMnTiO <sub>6</sub> (A = Sr and Ba) Perovskites. <i>Inorganic Chemistry</i> , 2017, 56, 10404-10411.                    | 1.9 | 11        |
| 33 | Pressure-Induced New Topological Weyl Semimetal Phase in TaAs. <i>Physical Review Letters</i> , 2016, 117, 146402.   | 2.9 | 66        |
| 34 | Selenium doping in potential topological superconductor Sn <sub>0.8</sub> In <sub>0.2</sub> Te. <i>Journal of Solid State Chemistry</i> , 2015, 229, 124-128.  | 1.4 | 3         |
| 35 | Synthesis, Crystal Structure, and Photoelectric Properties of a New Layered Bismuth Oxysulfide. <i>Inorganic Chemistry</i> , 2015, 54, 5768-5773.  | 1.9 | 49        |
| 36 | Thermal Decomposition of Bismuth Oxysulfide from Photoelectric Bi <sub>2</sub> O <sub>2</sub> S to Superconducting Bi <sub>4</sub> O <sub>4</sub> S <sub>3</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4442-4448. | 4.0 | 113       |

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|----|--|-----|-----------|
| 37 | Synthesis, Structural, and Transport Properties of Cr-Doped BaTi <sub>2</sub> As <sub>2</sub> O. Inorganic Chemistry, 2014, 53, 13089-13092.   | 1.9 | 8         |
| 38 | Low temperature synthesis and structures of alkaline earth metal chalcogenides Ba <sub>3</sub> Cu <sub>4</sub> Sb <sub>6</sub> OH, BaCuSb <sub>3</sub> and BaCu <sub>2</sub> S <sub>2</sub> . RSC Advances, 2014, 4, 28937.                      | 1.7 | 15        |
| 39 | Effect of Local Structure Distortion on Superconductivity in Mg- and F-Codoped LaOBiS <sub>2</sub> . Inorganic Chemistry, 2014, 53, 9-11.  | 1.9 | 17        |
| 40 | Facile synthesis, magnetic, electrical and photoelectric properties of layered quaternary chalcogenides K <sub>2</sub> FeCu <sub>3</sub> Q <sub>4</sub> (Q = S and Se). CrystEngComm, 2014, 16, 1810.  | 1.3 | 21        |
| 41 | Synthesis and characterization of a novel quaternary chalcogenide KBiCu <sub>2</sub> S <sub>3</sub> . Journal of Alloys and Compounds, 2014, 591, 6-10.  | 2.8 | 12        |
| 42 | Synthesis, structure and photoluminescence properties of tetragonal tungsten bronze-type Eu <sup>3+</sup> -doped K <sub>2</sub> LaNb <sub>5</sub> O <sub>15</sub> niobate phosphor. Journal of Luminescence, 2014, 146, 97-101.                  | 1.5 | 24        |
| 43 | Thermoelectric properties of CuInTe <sub>2</sub> /graphene composites. CrystEngComm, 2013, 15, 6648.   | 1.3 | 60        |
| 44 | High quantum efficiency red-emission tungstate based phosphor Sr(La <sub>1-x</sub> Eux) <sub>2</sub> Mg <sub>2</sub> W <sub>2</sub> O <sub>12</sub> for WLEDs application. Ceramics International, 2013, 39, 6013-6017.                          | 2.3 | 81        |
| 45 | New high T <sub>c</sub> multiferroics KBiFe <sub>2</sub> O <sub>5</sub> with narrow band gap and promising photovoltaic effect. Scientific Reports, 2013, 3, 1265.   | 1.6 | 185       |
| 46 | Hydrothermal synthesis of superconductors Ba <sub>1-x</sub> K <sub>x</sub> BiO <sub>3</sub> and double perovskites Ba <sub>1-x</sub> K <sub>x</sub> Bi <sub>1-y</sub> NayO <sub>3</sub> . Journal of Alloys and Compounds, 2011, 509, 9804-9808. | 2.8 | 22        |
| 47 | Synthesis and Magnetic Properties of Double B Mixed Perovskite Series La <sub>0.75</sub> K <sub>0.25</sub> Mn <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> . Chemistry Letters, 2011, 40, 244-245.  | 0.7 | 13        |
| 48 | Crystal growth and magnetic properties of the double perovskites R <sub>2</sub> MnNiO <sub>6</sub> (R=Pr, Sm and Ho) by a hydrothermal route. Journal of Crystal Growth, 2011, 327, 262-266.   | 0.7 | 25        |
| 49 | Hydrothermal synthesis, characterization and composition-dependent magnetic properties of LaFe <sub>1-x</sub> CrxO <sub>3</sub> system (0 ≤ x ≤ 1). Journal of Solid State Chemistry, 2010, 183, 1582-1587.                                      | 1.4 | 34        |
| 50 | Synthesis, electronic and magnetic properties of the double B mixed perovskite series La <sub>0.5</sub> Sr <sub>0.5</sub> Mn <sub>1-x</sub> FexO <sub>3</sub> . Journal of Alloys and Compounds, 2010, 507, 47-52.                               | 2.8 | 10        |
| 51 | Mild hydrothermal synthesis and magnetic properties of the manganates Pr <sub>1-x</sub> CaxMnO <sub>3</sub> . Journal of Solid State Chemistry, 2007, 180, 167-172.  | 1.4 | 25        |
| 52 | Hydrothermal synthesis and magnetic properties of RMn <sub>2</sub> O <sub>5</sub> (R=La, Pr, Nd, Tb, Bi) and LaMn <sub>2</sub> O <sub>5</sub> +Ĥ. Journal of Solid State Chemistry, 2007, 180, 1340-1346.  | 1.4 | 28        |