

Ganghua Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4121173/publications.pdf>

Version: 2024-02-01

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	New high Tc multiferroics KBiFe ₂ O ₅ with narrow band gap and promising photovoltaic effect. Scientific Reports, 2013, 3, 1265.	1.6	185
2	Thermal Decomposition of Bismuth Oxysulfide from Photoelectric Bi ₂ O ₂ S to Superconducting Bi ₄ O ₄ S ₃ . ACS Applied Materials & Interfaces, 2015, 7, 4442-4448.	4.0	113
3	High quantum efficiency red-emission tungstate based phosphor Sr(La ^{1-x} Eu ^x) ₂ Mg ₂ W ₂ O ₁₂ for WLEDs application. Ceramics International, 2013, 39, 6013-6017.	2.3	81
4	Pressure-Induced New Topological Weyl Semimetal Phase in TaAs. Physical Review Letters, 2016, 117, 146402.	2.9	66
5	Thermoelectric properties of CuInTe ₂ /graphene composites. CrystEngComm, 2013, 15, 6648.	1.3	60
6	Enhanced solar absorption and visible-light photocatalytic and photoelectrochemical properties of aluminium-reduced BaTiO ₃ nanoparticles. Chemical Communications, 2018, 54, 723-726.	2.2	54
7	Synthesis, Crystal Structure, and Photoelectric Properties of a New Layered Bismuth Oxysulfide. Inorganic Chemistry, 2015, 54, 5768-5773.	1.9	49
8	Enhanced visible-light-driven photocatalytic activity of BiFeO ₃ via electric-field control of spontaneous polarization. Journal of Alloys and Compounds, 2019, 783, 943-951.	2.8	48
9	Giant enhancements in electronic transport and photoelectric properties of bismuth oxysulfide by pressure-driven 2D→3D structural reconstruction. Journal of Materials Chemistry A, 2019, 7, 4019-4025.	5.2	35
10	Hydrothermal synthesis, characterization and composition-dependent magnetic properties of LaFe _{1-x} CrxO ₃ system (0≤x≤1). Journal of Solid State Chemistry, 2010, 183, 1582-1587.	1.4	34
11	Enhanced Ferroelectric and Visible-Light Photoelectric Properties in Multiferroic KBiFe ₂ O ₅ via Pressure-Induced Phase Transition. Advanced Electronic Materials, 2017, 3, 1600498.	2.6	34
12	Hydrothermal synthesis and magnetic properties of RMn ₂ O ₅ (R=La, Pr, Nd, Tb, Bi) and LaMn ₂ O ₅ +f. Journal of Solid State Chemistry, 2007, 180, 1340-1346.	1.4	28
13	Electrocaloric effect in Pb-free Sr-doped BaTi _{0.9} Sn _{0.1} O ₃ ceramics. Materials Research Bulletin, 2017, 91, 31-35.	2.7	27
14	Facile fabrication of well-polarized Bi ₂ WO ₆ nanosheets with enhanced visible-light photocatalytic activity. Catalysis Science and Technology, 2018, 8, 6420-6428.	2.1	26
15	Enhanced thermoelectric performance of higher manganese silicides by shock-induced high-density dislocations. Journal of Materials Chemistry A, 2019, 7, 3384-3390.	5.2	26
16	Mild hydrothermal synthesis and magnetic properties of the manganates Pr _{1-x} CaxMnO ₃ . Journal of Solid State Chemistry, 2007, 180, 167-172.	1.4	25
17	Crystal growth and magnetic properties of the double perovskites R ₂ MnNiO ₆ (R=Pr, Sm and Ho) by a hydrothermal route. Journal of Crystal Growth, 2011, 327, 262-266.	0.7	25
18	Synthesis, structure and photoluminescence properties of tetragonal tungsten bronze-type Eu ³⁺ -doped K ₂ LaNb ₅ O ₁₅ niobate phosphor. Journal of Luminescence, 2014, 146, 97-101.	1.5	24

#	ARTICLE	IF	CITATIONS
19	Hydrothermal synthesis of superconductors $Ba_{1-x}K_xBiO_3$ and double perovskites $Ba_{1-x}K_xBi_{1-y}Na_yO_3$. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9804-9808.	2.8	22
20	Facile synthesis, magnetic, electrical and photoelectric properties of layered quaternary chalcogenides $K_2FeCu_3Q_4$ (Q = S and Se). <i>CrystEngComm</i> , 2014, 16, 1810.	1.3	21
21	Effect of Local Structure Distortion on Superconductivity in Mg- and F-Codoped $LaOBiS_2$. <i>Inorganic Chemistry</i> , 2014, 53, 9-11.	1.9	17
22	High quantum yield red-emission phosphor $Li_2Ge_4O_9:Mn^{4+}$ for WLEDs application. <i>Optical Materials</i> , 2019, 98, 109442.	1.7	16
23	Low temperature synthesis and structures of alkaline earth metal chalcogenides $Ba_3Cu_4Sb_6OH$, $BaCuSb_3$ and $BaCu_2S_2$. <i>RSC Advances</i> , 2014, 4, 28937.	1.7	15
24	Polarization-enhanced photoelectrochemical properties of $BaTiO_3/BaTiO_3-x/CdS$ heterostructure nanocubes. <i>Dalton Transactions</i> , 2021, 50, 3137-3144.	1.6	15
25	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
26	A Novel Red-Emitting $Na_2NbOF_5:Mn^{4+}$ Phosphor with Ultrahigh Color Purity for Warm White Lighting and Wide-Gamut Backlight Displays. <i>Materials</i> , 2021, 14, 5317.	1.3	14
27	Synthesis and Magnetic Properties of Double B Mixed Perovskite Series $La_{0.75}K_{0.25}Mn_{1-x}Fe_xO_3$. <i>Chemistry Letters</i> , 2011, 40, 244-245.	0.7	13
28	Synthesis and characterization of a novel quaternary chalcogenide $KBiCu_2S_3$. <i>Journal of Alloys and Compounds</i> , 2014, 591, 6-10.	2.8	12
29	Facile Synthesis, Magnetic and Electric Characterization of Mixed Valence $La_{0.75}K_{0.25}AMnTiO_6$ (A = Sr and Ba) Perovskites. <i>Inorganic Chemistry</i> , 2017, 56, 10404-10411.	1.9	11
30	Intense red emission from $Sr_4Nb_2O_9:Eu^{3+}$ phosphor by introducing with SrF_2 as flux and charge compensator. <i>Journal of Luminescence</i> , 2020, 217, 116771.	1.5	11
31	Synthesis, electronic and magnetic properties of the double B mixed perovskite series $La_{0.5}Sr_{0.5}Mn_{1-x}Fe_xO_3$. <i>Journal of Alloys and Compounds</i> , 2010, 507, 47-52.	2.8	10
32	Polarization-enhanced photoelectric performance in a molecular ferroelectric hexane-1,6-diammonium pentaiodobismuth (HDA-BiI ₅)-based solar device. <i>RSC Advances</i> , 2020, 10, 1198-1203.	1.7	10
33	Visible-light photovoltaic effect in high-temperature ferroelectric $BaFe_4O_7$. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16234-16240.	2.7	10
34	Tuning Coordination Environments of Dopants through Topochemical Reaction Enables Substantial Enhancement of Luminescence in Mn^{4+} -Doped Perovskite. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4646-4654.	1.5	9
35	Tendentious multiple sites occupation towards white light emission in single-phase $Ba_{2(1/3)}Ca_{(1/3)}SrB_2Si_4O_{14}:Eu^{2+}$ phosphors. <i>Journal of Solid State Chemistry</i> , 2022, 309, 122963.	1.4	9
36	Synthesis, Structural, and Transport Properties of Cr-Doped $BaTi_2As_2O$. <i>Inorganic Chemistry</i> , 2014, 53, 13089-13092.	1.9	8

#	ARTICLE	IF	CITATIONS
37	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
38	ThCr ₂ Si ₂ -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
39	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
40	Facile synthesis and magnetic and electrical properties of layered chalcogenides K ₂ CoCu ₃ Q ₄ (Q for S and Se). <i>Dalton Transactions</i> , 2018, 47, 14968-14974.	1.6	6
41	The photoluminescence adjustment of red phosphors ANaWO ₂ F ₄ :Mn ⁴⁺ (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
42	Enhanced performance of graphene transparent conductive films by introducing SiO ₂ bilayer antireflection nanostructure. <i>New Journal of Chemistry</i> , 2019, 43, 19063-19068.	1.4	4
43	Visible-light photovoltaic effect in multiferroic Bi ₂ Fe ₄ O ₉ thin film. <i>Materials Letters</i> , 2022, 309, 131411.	1.3	4
44	Polarization-Enhanced Photovoltaic Effects in a High-Temperature Molecular Ferroelectric [C ₆ N ₂ H ₁₈][Sb ₅]-Based Solar Device. <i>ACS Applied Energy Materials</i> , 2022, 5, 2738-2746.	2.5	4
45	Selenium doping in potential topological superconductor Sn _{0.8} In _{0.2} Te. <i>Journal of Solid State Chemistry</i> , 2015, 229, 124-128.	1.4	3
46	Pressure-induced charge density wave phase in $A_xG_{1-x}Mn_2$. <i>Physical Review B</i> , 2018, 98, .	1.1	3
47	Green route synthesis of K ₂ SiF ₆ :Mn ⁴⁺ 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
48	Ni nanocrystals tuning low-frequency colossal permittivity of epitaxial BaTiO ₃ matrix. <i>Journal of Alloys and Compounds</i> , 2019, 801, 460-464.	2.8	2
49	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
50	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
51	A garnet-structured (Y, Ca) ₃ (Al, Mg) ₂ (Al, Si) ₃ O ₁₂ :Ce ³⁺ phosphor-in-glass engineering for use in high color rendering white LEDs. <i>AIP Advances</i> , 2022, 12, .	0.6	1
52	Red emission from a novel rare earth free oxide-based CaO _{0.5} Al ₂ O ₃ 0.5Nb ₂ O ₅ :Mn ⁴⁺ phosphor with high water-resistance property. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3057-3062.	1.1	0