

Guo-long Tan

List of Publications by Year in descending order

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66
papers

1,348
citations

361045

20
h-index

360668

35
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docs citations

66
times ranked

1626
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Pr ³⁺ doping concentration on microstructure and optical properties of transparent BaF ₂ ceramics. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162623.	2.8	2
2	Conventional HP sintering of asymmetric hexagonal structure Yb ³⁺ -doped Sr ₅ (PO ₄) ₃ F transparent ceramic without additives. <i>Journal of the American Ceramic Society</i> , 2022, 105, 4581-4587.	1.9	4
3	Tuning ferroelectrics to antiferroelectrics in multiferroic La _x Sr _{1-x} Fe ₂ O ₉ ceramics. <i>Journal of Materials Research</i> , 2022, 37, 1651-1663.	1.2	3
4	Controllable synthesis of WO ₃ /Co _{1-x} WO ₄ composite nanopowders for photocatalytic degradation of methylene blue (MB). <i>Journal of Nanoparticle Research</i> , 2022, 24, .	0.8	3
5	Multiferroic and magnetoelectronic polarizations in BaFe ₂ O ₉ system. <i>Journal of Alloys and Compounds</i> , 2021, 858, 157722.	2.8	29
6	Kondo effect and RKKY interaction assisted by magnetic anisotropy in a frustrated magnetic molecular device at zero and finite temperature. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5878-5887.	1.3	7
7	Antiferroelectric and magnetic performance in La _{0.2} Sr _{0.7} Fe ₂ O ₉ system. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21697-21708.	1.1	2
8	Investigation of Structural, Electrical, and Vibrational Properties of Bi _{1-98A} 0.02Fe ₄ O ₉ (A = Ba, Ce) Multiferroic Ceramics. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-8.	1.0	0
9	Observation of Spin Reorientation Transitions in Lead and Titanium-Modified BiFeO ₃ Multiferroics. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-9.	1.0	1
10	Structural, electrical, and magnetic properties of mullite-type Bi ₂ Fe ₄ O ₉ ceramic. <i>Journal of Electroceramics</i> , 2020, 45, 148-155.	0.8	3
11	Multiferroic properties of PbFe ₂ O ₉ -PbTiO ₃ composite ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 10830-10834.	1.1	5
12	Low-cost processed antimony sulfide nanocrystal photoanodes with increased efficiency and stability. <i>Journal of Alloys and Compounds</i> , 2019, 777, 866-871.	2.8	11
13	Preparation and optical characterization of PbWO ₄ nanocrystals from mechanical alloying process. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 359-364.	1.1	8
14	Visible photocatalytic degradation of methylene blue on magnetic semiconducting La _{0.2} Sr _{0.7} Fe ₂ O ₉ . <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9854-9860.	1.1	6
15	Visible photocatalytic degradation of methylene blue on magnetic SrFe ₂ O ₉ . <i>Journal of Physics and Chemistry of Solids</i> , 2018, 123, 157-161.	1.9	56
16	Photocatalytic and semiconducting performance of La modified M-type lead hexaferrite. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17287-17295.	1.1	1
17	Magnetodielectric Coupling Response in La-Modified M-Type Strontium Hexaferrite. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800295.	0.8	6
18	Multiferroic La _{0.2} Pb _{0.7} Fe ₂ O ₉ ceramics: Ferroelectricity, ferromagnetism and colossal magneto-capacitance effect. <i>Data in Brief</i> , 2017, 10, 69-74.	0.5	3

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19	Facile Synthesis and Optical Properties of Small Selenium Nanocrystals and Nanorods. <i>Nanoscale Research Letters</i> , 2017, 12, 401.	3.1	37
20	Preparation and band gap tailing of ternary $Zn_{1-x}Cd_xWO_4$ nanocrystals by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2017, 722, 88-93.	2.8	5
21	Optical characterization of mechanically alloyed $PbSnS_3$ nanocrystals. <i>Materials Science in Semiconductor Processing</i> , 2017, 68, 58-61.	1.9	6
22	Magnetoelectric Response in Multiferroic $SrFe_{12}O_{19}$ Ceramics. <i>PLoS ONE</i> , 2016, 11, e0167084.	1.1	21
23	Physical preparation and optical properties of $CuSbS_2$ nanocrystals by mechanical alloying process. <i>Electronic Materials Letters</i> , 2016, 12, 568-573.	1.0	6
24	Multiferroism and colossal magneto-capacitance effect of $La_{0.2}Pb_{0.7}Fe_{12}O_{19}$ ceramics. <i>Acta Materialia</i> , 2016, 121, 144-151.	3.8	15
25	Preparation of ternary $Cd_{1-x}Zn_xS$ nanocrystals with tunable ultraviolet absorption by mechanical alloying. <i>Electronic Materials Letters</i> , 2015, 11, 187-192.	1.0	5
26	Ferroelectricity and Ferromagnetism of Mn -Type Lead Hexaferrite. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1812-1817.	1.9	63
27	Multiferroic and magnetoelectric properties of $La_{0.1}Ba_{0.9}Fe_{12}O_{19}$ ceramics. <i>Science Bulletin</i> , 2014, 59, 5212-5217.	1.7	4
28	Optical Properties and van der Waals-London Dispersion Interactions in Berlinite Aluminum Phosphate from Vacuum Ultraviolet Spectroscopy. <i>Journal of the American Ceramic Society</i> , 2014, 97, 1143-1150.	1.9	6
29	Mid-IR band gap engineering of $Cd_xPb_{1-x}S$ nanocrystals by mechanochemical reaction. <i>AIP Advances</i> , 2014, 4, .	0.6	18
30	Dual-emitting nanocomposites derived from rare-earth compound nanotubes for ratiometric fluorescence sensing applications. <i>Nanoscale</i> , 2013, 5, 1629.	2.8	29
31	Synthesis, Structures, and Multiferroic Properties of Strontium Hexaferrite Ceramics. <i>Journal of Electronic Materials</i> , 2013, 42, 906-911.	1.0	33
32	Structure and multiferroic properties of barium hexaferrite ceramics. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 327, 87-90.	1.0	170
33	Preparation of Uncapped $CdSe_xTe_{1-x}$ Nanocrystals with Strong Near-IR Tunable Absorption. <i>Journal of Electronic Materials</i> , 2013, 42, 3373-3378.	1.0	7
34	Fabrication and Optical Properties of Water Soluble $CdSeS$ Nanocrystals Using Glycerin as Stabilizing Agent. <i>PLoS ONE</i> , 2013, 8, e77253.	1.1	1
35	Ferromagnetism of Ternary $Cd_{1-x}Mn_xTe$ Nanocrystals. <i>IEEE Nanotechnology Magazine</i> , 2012, 11, 236-238.	1.1	1
36	Multiferroic properties of $Pb_2Fe_2O_5$ ceramics. <i>Materials Research Bulletin</i> , 2011, 46, 438-441.	2.7	22

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37	Multiferroic PbFe ₁₂ O ₁₉ ceramics. Journal of Electroceramics, 2011, 26, 170-174.	0.8	80
38	Optical properties and ferromagnetism of ternary Cd _{1-x} Mn _x Te nanocrystals. Journal of Nanoparticle Research, 2011, 13, 5799-5807.	0.8	1
39	Preparation of uncapped CdSe _{1-x} S _x semiconducting nanocrystals by mechanical alloying. Journal of Applied Physics, 2011, 110, .	1.1	7
40	Preparation of pure CdSe nanocrystals through mechanical alloying. Journal of Nanoparticle Research, 2010, 12, 605-614.	0.8	8
41	Multiferroic Properties of Nanocrystalline PbTiO ₃ Ceramics. Journal of the American Ceramic Society, 2010, 93, 2151-2154.	1.9	34
42	Synthesis and Optical Properties of CuS Nanocrystals by Mechanical Alloying Process. Current Nanoscience, 2010, 6, 163-168.	0.7	13
43	Energy level splitting of CdS nanocrystals. Nanotechnology, 2010, 21, 035701.	1.3	2
44	Preparation and Optical Properties of CdS Nanocrystals Prepared by a Mechanical Alloying Process. Journal of Physical Chemistry C, 2010, 114, 290-293.	1.5	14
45	TIME DOMAIN DESCRIPTION OF THE GROUP VELOCITY MANIPULATION USING SEMICONDUCTOR QUANTUM DOTS. Journal of Nonlinear Optical Physics and Materials, 2009, 18, 573-581.	1.1	0
46	Synthesis of Metastable Tungsten Carbide Nanoparticles by Mechanochemical Alloying Process. Advanced Materials Research, 2009, 66, 135-138.	0.3	4
47	Capping the Ball-Milled CdSe Nanocrystals for Light Excitation. Journal of Physical Chemistry C, 2009, 113, 8724-8729.	1.5	12
48	Structural evolution and optical properties of CdSe nanocrystals prepared by mechanical alloying. Journal of Alloys and Compounds, 2009, 468, 421-431.	2.8	57
49	Optical Absorption and Valence Band Photoemission from Uncapped CdTe Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 2125-2130.	1.2	18
50	Optical properties, electronic structure and London dispersion interactions for nanostructured interfacial and surficial films. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 422, 136-146.	2.6	4
51	Reflection electron energy loss spectroscopy of nanometric oxide layers and of their interfaces with a substrate. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 422, 29-40.	2.6	16
52	Carbon Nanotubes Strengthened Nanophase WC-Co Hard Alloys. Advanced Engineering Materials, 2006, 8, 62-72.	1.6	5
53	Graded interface models for more accurate determination of van der Waals-London dispersion interactions across grain boundaries. Physical Review B, 2006, 74, .	1.1	20
54	Z-scan and four-wave mixing characterization of semiconductor cadmium chalcogenide nanomaterials. Journal of Physics: Conference Series, 2006, 38, 144-147.	0.3	8

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55	Kramersâ€™Kronig transform for the surface energy loss function. Journal of Electron Spectroscopy and Related Phenomena, 2005, 142, 97-103.	0.8	43
56	Configuration of twins in glass-embedded silver nanoparticles of various origin. Physica Status Solidi A, 2005, 202, 2321-2329.	1.7	23
57	Optical properties and London dispersion interaction of amorphous and crystallineSiO2determined by vacuum ultraviolet spectroscopy and spectroscopic ellipsometry. Physical Review B, 2005, 72, .	1.1	90
58	Shape and Internal Structure of Silver Nanoparticles Embedded in Glass. Journal of Materials Research, 2005, 20, 1551-1562.	1.2	51
59	Local Optical Properties, Electron Densities, and London Dispersion Energies of Atomically Structured Grain Boundaries. Physical Review Letters, 2004, 93, 227201.	2.9	35
60	Linear and non-linear optical properties of capped CdTe nanocrystals prepared by mechanical alloying. Optical Materials, 2004, 27, 579-584.	1.7	35
61	Silver diffusion and precipitation of nanoparticles in glass by ion implantation. European Physical Journal D, 2003, 24, 361-364.	0.6	18
62	Synthesis and optical characterization of CdTe nanocrystals prepared by ball milling process. Scripta Materialia, 2003, 48, 1469-1474.	2.6	45
63	Optical Properties and London Dispersion Forces of Amorphous Silica Determined by Vacuum Ultraviolet Spectroscopy and Spectroscopic Ellipsometry. Journal of the American Ceramic Society, 2003, 86, 1885-1892.	1.9	60
64	Nonlinear refraction and nonlinear absorption measurements of CdTe nanoscale materials embedded in PMMA using ultrafast laser pulse. , 2003, 4797, 125.		0
65	Stress state of silver nanoparticles embedded in a silicate glass matrix investigated by HREM and EXAFS spectroscopy. European Physical Journal D, 2001, 16, 229-232.	0.6	25
66	Title is missing!. Journal of Materials Science, 2000, 35, 3151-3154.	1.7	21