Guo-long Tan

List of Publications by Year in descending order

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66	1,348	361413 20	361022 35
papers	citations	h-index	g-index

66	66	66	1626
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Pr3+ doping concentration on microstructure and optical properties of transparent BaF2 ceramics. Journal of Alloys and Compounds, 2022, 895, 162623.	5.5	2
2	Conventional HP sintering of asymmetric hexagonal structure Yb³⁺â€doped Sr₅(PO₄)₃F transparent ceramic without additives. Journal of the American Ceramic Society, 2022, 105, 4581-4587.	3.8	4
3	Tuning ferroelectrics to antiferroelectrics in multiferroic LaxSr1â^'xFe12O19 ceramics. Journal of Materials Research, 2022, 37, 1651-1663.	2.6	3
4	Controllable synthesis of WO3/Co1-ÎWO4 composite nanopowders for photocatalytic degradation of methylene blue (MB). Journal of Nanoparticle Research, 2022, 24, .	1.9	3
5	Multiferroic and magnetoelectronic polarizations in BaFe12O19 system. Journal of Alloys and Compounds, 2021, 858, 157722.	5.5	29
6	Kondo effect and RKKY interaction assisted by magnetic anisotropy in a frustrated magnetic molecular device at zero and finite temperature. Physical Chemistry Chemical Physics, 2021, 23, 5878-5887.	2.8	7
7	Antiferroelectric and magnetic performance in La0.2Sr0.7Fe12O19Âsystem. Journal of Materials Science: Materials in Electronics, 2021, 32, 21697-21708.	2.2	2
8	Investigation of Structural, Electrical, and Vibrational Properties of Bi1.98A0.02Fe4O9 (Aâ€‰=â€‰Ba, Ce) Multiferroic Ceramics. Advances in Materials Science and Engineering, 2021, 2021, 1-8.	1.8	0
9	Observation of Spin Reorientation Transitions in Lead and Titanium-Modified BiFeO3 Multiferroics. Advances in Materials Science and Engineering, 2021, 2021, 1-9.	1.8	1
10	Structural, electrical, and magnetic properties of mullite-type Bi2Fe4O9 ceramic. Journal of Electroceramics, 2020, 45, 148-155.	2.0	3
11	Multiferroic properties of PbFe12O19â€“PbTiO3 composite ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 10830-10834.	2.2	5
12	Low-cost processed antimony sulfide nanocrystal photoanodes with increased efficiency and stability. Journal of Alloys and Compounds, 2019, 777, 866-871.	5.5	11
13	Preparation and optical characterization of PbWO4 nanocrystals from mechanical alloying process. Journal of Materials Science: Materials in Electronics, 2019, 30, 359-364.	2.2	8
14	Visible photocatalytic degradation of methylene blue on magnetic semiconducting La0.2Sr0.7Fe12O19. Journal of Materials Science: Materials in Electronics, 2018, 29, 9854-9860.	2.2	6
15	Visible photocatalytic degradation of methylene blue on magnetic SrFe12O19. Journal of Physics and Chemistry of Solids, 2018, 123, 157-161.	4.0	56
16	Photocatalytic and semiconducting performance of La modified M-type lead hexaferrite. Journal of Materials Science: Materials in Electronics, 2018, 29, 17287-17295.	2.2	1
17	Magnetodielectric Coupling Response in Laâ€Modified Mâ€Type Strontium Hexaferrite. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800295.	1.8	6
18	Multiferroic La 0.2 Pb 0.7 Fe 12 O 19 ceramics: Ferroelectricity, ferromagnetism and colossal magneto-capacitance effect. Data in Brief, 2017, 10, 69-74.	1.0	3

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19	Facile Synthesis and Optical Properties of Small Selenium Nanocrystals and Nanorods. Nanoscale Research Letters, 2017, 12, 401.	5.7	37
20	Preparation and band gap tailing of ternary Zn1â^'xCdxWO4 nanocrystals by mechanical alloying. Journal of Alloys and Compounds, 2017, 722, 88-93.	5.5	5
21	Optical characterization of mechanically alloyed PbSnS3 nanocrystals. Materials Science in Semiconductor Processing, 2017, 68, 58-61.	4.0	6
22	Magnetoelectric Response in Multiferroic SrFe12O19 Ceramics. PLoS ONE, 2016, 11, e0167084.	2.5	21
23	Physical preparation and optical properties of CuSbS2 nanocrystals by mechanical alloying process. Electronic Materials Letters, 2016, 12, 568-573.	2.2	6
24	Multiferroism and colossal magneto-capacitance effect of La0.2Pb0.7Fe12O19 ceramics. Acta Materialia, 2016, 121, 144-151.	7.9	15
25	Preparation of ternary Cd1â^'x Zn x S nanocrystals with tunable ultraviolet absorption by mechanical alloying. Electronic Materials Letters, 2015, 11, 187-192.	2.2	5
26	Ferroelectricity and Ferromagnetism of Mâ€Type Lead Hexaferrite. Journal of the American Ceramic Society, 2015, 98, 1812-1817.	3.8	63
27	Multiferroic and magnetoelectric properties of La0.1Ba0.9Fe12O19 ceramics. Science Bulletin, 2014, 59, 5212-5217.	1.7	4
28	Optical Properties and van der Waalsâ€"London Dispersion Interactions in Berlinite Aluminum Phosphate from Vacuum Ultraviolet Spectroscopy. Journal of the American Ceramic Society, 2014, 97, 1143-1150.	3.8	6
29	Mid-IR band gap engineering of CdxPb1â^'xS nanocrystals by mechanochemical reaction. AIP Advances, 2014, 4, .	1.3	18
30	Dual-emitting nanocomposites derived from rare-earth compound nanotubes for ratiometric fluorescence sensing applications. Nanoscale, 2013, 5, 1629.	5.6	29
31	Synthesis, Structures, and Multiferroic Properties of Strontium Hexaferrite Ceramics. Journal of Electronic Materials, 2013, 42, 906-911.	2.2	33
32	Structure and multiferroic properties of barium hexaferrite ceramics. Journal of Magnetism and Magnetic Materials, 2013, 327, 87-90.	2.3	170
33	Preparation of Uncapped CdSe x Te1â^'x Nanocrystals with Strong Near-IR Tunable Absorption. Journal of Electronic Materials, 2013, 42, 3373-3378.	2.2	7
34	Fabrication and Optical Properties of Water Soluble CdSeS Nanocrystals Using Glycerin as Stabilizing Agent. PLoS ONE, 2013, 8, e77253.	2.5	1
35	Ferromagnetism of Ternary Cd$_{f 1-}$$_{m x}$Mn $_{m x}$Te Nanocrystals. IEEE Nanotechnology Magazine, 2012, 11, 236-238.	2.0	1
36	Multiferroic properties of Pb2Fe2O5 ceramics. Materials Research Bulletin, 2011, 46, 438-441.	5.2	22

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37	Multiferroic PbFe12O19 ceramics. Journal of Electroceramics, 2011, 26, 170-174.	2.0	80
38	Optical properties and ferromagnetism of ternary Cd1â^'x Mn x Te nanocrystals. Journal of Nanoparticle Research, 2011, 13, 5799-5807.	1.9	1
39	Preparation of uncapped CdSe1â^'xSx semiconducting nanocrystals by mechanical alloying. Journal of Applied Physics, 2011, 110, .	2.5	7
40	Preparation of pure CdSe nanocrystals through mechanical alloying. Journal of Nanoparticle Research, 2010, 12, 605-614.	1.9	8
41	Multiferroic Properties of Nanocrystalline PbTiO₃ Ceramics. Journal of the American Ceramic Society, 2010, 93, 2151-2154.	3.8	34
42	Synthesis and Optical Properties of CuS Nanocrystals by Mechanical Alloying Process. Current Nanoscience, 2010, 6, 163-168.	1.2	13
43	Energy level splitting of CdS nanocrystals. Nanotechnology, 2010, 21, 035701.	2.6	2
44	Preparation and Optical Properties of CdS Nanocrystals Prepared by a Mechanical Alloying Process. Journal of Physical Chemistry C, 2010, 114, 290-293.	3.1	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.	1.8	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.	3.1	12
48	Structural evolution and optical properties of CdSe nanocrystals prepared by mechanical alloying. Journal of Alloys and Compounds, 2009, 468, 421-431.	5.5	57
49	Optical Absorption and Valence Band Photoemission from Uncapped CdTe Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 2125-2130.	2.6	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.	5.6	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.	5.6	16
52	Carbon Nanotubes Strengthened Nanophase WC-Co Hard Alloys. Advanced Engineering Materials, 2006, 8, 62-72.	3.5	5
53	Graded interface models for more accurate determination of van der Waalsâ€“London dispersion interactions across grain boundaries. Physical Review B, 2006, 74, .	3.2	20
54	Z-scan and four-wave mixing characterization of semiconductor cadmium chalcogenide nanomaterials. Journal of Physics: Conference Series, 2006, 38, 144-147.	0.4	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.	1.7	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, .	3.2	90
58	Shape and Internal Structure of Silver Nanoparticles Embedded in Glass. Journal of Materials Research, 2005, 20, 1551-1562.	2.6	51
59	Local Optical Properties, Electron Densities, and London Dispersion Energies of Atomically Structured Grain Boundaries. Physical Review Letters, 2004, 93, 227201.	7.8	35
60	Linear and non-linear optical properties of capped CdTe nanocrystals prepared by mechanical alloying. Optical Materials, 2004, 27, 579-584.	3.6	35
61	Silver diffusion and precipitation of nanoparticles in glass by ion implantation. European Physical Journal D, 2003, 24, 361-364.	1.3	18
62	Synthesis and optical characterization of CdTe nanocrystals prepared by ball milling process. Scripta Materialia, 2003, 48, 1469-1474.	5.2	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.	3.8	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.	1.3	25
66	Title is missing!. Journal of Materials Science, 2000, 35, 3151-3154.	3.7	21