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 g-index
66 all docs	66 docs citations	66 times ranked	1626 citing authors

#	Article	IF	Citations
1	Structure and multiferroic properties of barium hexaferrite ceramics. Journal of Magnetism and Magnetic Materials, 2013, 327, 87-90.	1.0	170
2	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
3	Multiferroic PbFe12O19 ceramics. Journal of Electroceramics, 2011, 26, 170-174.	0.8	80
4	Ferroelectricity and Ferromagnetism of Mâ€Type Lead Hexaferrite. Journal of the American Ceramic Society, 2015, 98, 1812-1817.	1.9	63
5	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
6	Structural evolution and optical properties of CdSe nanocrystals prepared by mechanical alloying. Journal of Alloys and Compounds, 2009, 468, 421-431.	2.8	57
7	Visible photocatalytic degradation of methylene blue on magnetic SrFe12O19. Journal of Physics and Chemistry of Solids, 2018, 123, 157-161.	1.9	56
8	Shape and Internal Structure of Silver Nanoparticles Embedded in Glass. Journal of Materials Research, 2005, 20, 1551-1562.	1.2	51
9	Synthesis and optical characterization of CdTe nanocrystals prepared by ball milling process. Scripta Materialia, 2003, 48, 1469-1474.	2.6	45
10	Kramersâ€“Kronig transform for the surface energy loss function. Journal of Electron Spectroscopy and Related Phenomena, 2005, 142, 97-103.	0.8	43
11	Facile Synthesis and Optical Properties of Small Selenium Nanocrystals and Nanorods. Nanoscale Research Letters, 2017, 12, 401.	3.1	37
12	Local Optical Properties, Electron Densities, and London Dispersion Energies of Atomically Structured Grain Boundaries. Physical Review Letters, 2004, 93, 227201.	2.9	35
13	Linear and non-linear optical properties of capped CdTe nanocrystals prepared by mechanical alloying. Optical Materials, 2004, 27, 579-584.	1.7	35
14	Multiferroic Properties of Nanocrystalline PbTiO₃ Ceramics. Journal of the American Ceramic Society, 2010, 93, 2151-2154.	1.9	34
15	Synthesis, Structures, and Multiferroic Properties of Strontium Hexaferrite Ceramics. Journal of Electronic Materials, 2013, 42, 906-911.	1.0	33
16	Dual-emitting nanocomposites derived from rare-earth compound nanotubes for ratiometric fluorescence sensing applications. Nanoscale, 2013, 5, 1629.	2.8	29
17	Multiferroic and magnetoelectronic polarizations in BaFe12O19 system. Journal of Alloys and Compounds, 2021, 858, 157722.	2.8	29
18	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

#	Article	IF	Citations
19	Configuration of twins in glass-embedded silver nanoparticles of various origin. Physica Status Solidi A, 2005, 202, 2321-2329.	1.7	23
20	Multiferroic properties of Pb2Fe2O5 ceramics. Materials Research Bulletin, 2011, 46, 438-441.	2.7	22
21	Title is missing!. Journal of Materials Science, 2000, 35, 3151-3154.	1.7	21
22	Magnetoelectric Response in Multiferroic SrFe12O19 Ceramics. PLoS ONE, 2016, 11, e0167084.	1.1	21
23	Graded interface models for more accurate determination of van der Waalsâ€“London dispersion interactions across grain boundaries. Physical Review B, 2006, 74, .	1.1	20
24	Silver diffusion and precipitation of nanoparticles in glass by ion implantation. European Physical Journal D, 2003, 24, 361-364.	0.6	18
25	Optical Absorption and Valence Band Photoemission from Uncapped CdTe Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 2125-2130.	1.2	18
26	Mid-IR band gap engineering of CdxPb1â^'xS nanocrystals by mechanochemical reaction. AIP Advances, 2014, 4, .	0.6	18
27	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
28	Multiferroism and colossal magneto-capacitance effect of La0.2Pb0.7Fe12O19 ceramics. Acta Materialia, 2016, 121, 144-151.	3.8	15
29	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
30	Synthesis and Optical Properties of CuS Nanocrystals by Mechanical Alloying Process. Current Nanoscience, 2010, 6, 163-168.	0.7	13
31	Capping the Ball-Milled CdSe Nanocrystals for Light Excitation. Journal of Physical Chemistry C, 2009, 113, 8724-8729.	1.5	12
32	Low-cost processed antimony sulfide nanocrystal photoanodes with increased efficiency and stability. Journal of Alloys and Compounds, 2019, 777, 866-871.	2.8	11
33	Z-scan and four-wave mixing characterization of semiconductor cadmium chalcogenide nanomaterials. Journal of Physics: Conference Series, 2006, 38, 144-147.	0.3	8
34	Preparation of pure CdSe nanocrystals through mechanical alloying. Journal of Nanoparticle Research, 2010, 12, 605-614.	0.8	8
35	Preparation and optical characterization of PbWO4 nanocrystals from mechanical alloying process. Journal of Materials Science: Materials in Electronics, 2019, 30, 359-364.	1.1	8
36	Preparation of uncapped CdSe1â^'xSx semiconducting nanocrystals by mechanical alloying. Journal of Applied Physics, 2011, 110, .	1.1	7

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37	Preparation of Uncapped CdSe x Te1â^'x Nanocrystals with Strong Near-IR Tunable Absorption. Journal of Electronic Materials, 2013, 42, 3373-3378.	1.0	7
38	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.	1.3	7
39	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.	1.9	6
40	Physical preparation and optical properties of CuSbS2 nanocrystals by mechanical alloying process. Electronic Materials Letters, 2016, 12, 568-573.	1.0	6
41	Optical characterization of mechanically alloyed PbSnS3 nanocrystals. Materials Science in Semiconductor Processing, 2017, 68, 58-61.	1.9	6
42	Visible photocatalytic degradation of methylene blue on magnetic semiconducting La0.2Sr0.7Fe12O19. Journal of Materials Science: Materials in Electronics, 2018, 29, 9854-9860.	1.1	6
43	Magnetodielectric Coupling Response in Laâ€Modified Mâ€Type Strontium Hexaferrite. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800295.	0.8	6
44	Carbon Nanotubes Strengthened Nanophase WC-Co Hard Alloys. Advanced Engineering Materials, 2006, 8, 62-72.	1.6	5
45	Preparation of ternary Cd1â^'x Zn x S nanocrystals with tunable ultraviolet absorption by mechanical alloying. Electronic Materials Letters, 2015, 11, 187-192.	1.0	5
46	Preparation and band gap tailing of ternary Zn1â^'xCdxWO4 nanocrystals by mechanical alloying. Journal of Alloys and Compounds, 2017, 722, 88-93.	2.8	5
47	Multiferroic properties of PbFe12O19â€"PbTiO3 composite ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 10830-10834.	1.1	5
48	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
49	Synthesis of Metastable Tungsten Carbide Nanoparticles by Mechanochemical Alloying Process. Advanced Materials Research, 2009, 66, 135-138.	0.3	4
50	Multiferroic and magnetoelectric properties of La0.1Ba0.9Fe12O19 ceramics. Science Bulletin, 2014, 59, 5212-5217.	1.7	4
51	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.	1.9	4
52	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.	0.5	3
53	Structural, electrical, and magnetic properties of mullite-type Bi2Fe4O9 ceramic. Journal of Electroceramics, 2020, 45, 148-155.	0.8	3
54	Tuning ferroelectrics to antiferroelectrics in multiferroic LaxSr1â^'xFe12O19 ceramics. Journal of Materials Research, 2022, 37, 1651-1663.	1.2	3

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55	Controllable synthesis of WO3/Co1-Î´WO4 composite nanopowders for photocatalytic degradation of methylene blue (MB). Journal of Nanoparticle Research, 2022, 24, .	0.8	3
56	Energy level splitting of CdS nanocrystals. Nanotechnology, 2010, 21, 035701.	1.3	2
57	Antiferroelectric and magnetic performance in La0.2Sr0.7Fe12O19Âsystem. Journal of Materials Science: Materials in Electronics, 2021, 32, 21697-21708.	1.1	2
58	Effect of Pr3+ doping concentration on microstructure and optical properties of transparent BaF2 ceramics. Journal of Alloys and Compounds, 2022, 895, 162623.	2.8	2
59	Optical properties and ferromagnetism of ternary Cd1â^'x Mn x Te nanocrystals. Journal of Nanoparticle Research, 2011, 13, 5799-5807.	0.8	1
60	Ferromagnetism of Ternary Cd$_{f 1-}$$_{m x}$Mn $_{m x}$Te Nanocrystals. IEEE Nanotechnology Magazine, 2012, 11, 236-238.	1.1	1
61	Fabrication and Optical Properties of Water Soluble CdSeS Nanocrystals Using Glycerin as Stabilizing Agent. PLoS ONE, 2013, 8, e77253.	1.1	1
62	Photocatalytic and semiconducting performance of La modified M-type lead hexaferrite. Journal of Materials Science: Materials in Electronics, 2018, 29, 17287-17295.	1.1	1
63	Observation of Spin Reorientation Transitions in Lead and Titanium-Modified BiFeO3 Multiferroics. Advances in Materials Science and Engineering, 2021, 2021, 1-9.	1.0	1
64	Nonlinear refraction and nonlinear absorption measurements of CdTe nanoscale materials embedded in PMMA using ultrafast laser pulse. , 2003, 4797, 125.		0
65	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
66	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.	1.0	0