Jiangfeng Gong

List of Publications by Year
in descending order

50 papers	1,353 citations	361413 20 h-index	345221 36 g-index
50 all docs	50 docs citations	50 times ranked	2017 citing authors

#	Article	IF	Citations
1	Zinc-Ion Storage Mechanism of Polyaniline for Rechargeable Aqueous Zinc-Ion Batteries. Nanomaterials, 2022, 12, 1438.	4.1	17
2	Theoretically identifying the electrocatalytic activity and mechanism of Zn doped 2D h-BN for nitrate reduction to NH₃. Chemical Communications, 2022, 58, 7156-7159.	4.1	7
3	Promising anode material BN/VS2 heterostructure for the Li-ion battery: The first-principles study. Applied Surface Science, 2021, 564, 150468.	6.1	23
4	Synthesis of Mn(OH)₂ Nanosheets on Carbon Cloth for High-Performance Aqueous Zinc-Ion Battery. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 1698-1704.	0.5	4
5	Alternate Integration of Vertically Oriented CuSe@FeOOH and CuSe@MnOOH Hybrid Nanosheets Frameworks for Flexible In-Plane Asymmetric Micro-supercapacitors. ACS Applied Energy Materials, 2020, 3, 3692-3703.	5.1	35
6	Synthesis of nickel selenide thin films for high performance all-solid-state asymmetric supercapacitors. Chinese Chemical Letters, 2020, 31, 2275-2279.	9.0	18
7	Design of 2D Self-Supported Hybrid CuSe@PANI Core/Shell Nanosheet Arrays for High-Performance Flexible Microsupercapacitors. Journal of Physical Chemistry C, 2019, 123, 29133-29143.	3.1	14
8	All-solid-state asymmetric supercapacitor based on porous cobalt selenide thin films. Journal of Alloys and Compounds, 2019, 772, 25-32.	5.5	30
9	Controllable Growth of Vertically-Aligned FeOOH Nanosheet Films on Au Interdigital Electrode for High-Performance Micro-Supercapacitors. Science of Advanced Materials, 2019, 11, 443-451.	0.7	1
10	High-Performance Flexible All-Solid-State Asymmetric Supercapacitors Based on Vertically Aligned CuSe@Co(OH)₂ Nanosheet Arrays. Journal of Physical Chemistry C, 2018, 122, 2002-2011.	3.1	32
11	High-Performance Flexible In-Plane Micro-Supercapacitors Based on Vertically Aligned CuSe@Ni(OH)₂ Hybrid Nanosheet Films. ACS Applied Materials & Interfaces, 2018, 10, 38341-38349.	8.0	41
12	Vertically Oriented and Interpenetrating CuSe Nanosheet Films with Open Channels for Flexible All-Solid-State Supercapacitors. ACS Omega, 2017, 2, 1089-1096.	3.5	45
13	Vertically-aligned Mn(OH)2 nanosheet films for flexible all-solid-state electrochemical supercapacitors. Journal of Materials Science: Materials in Electronics, 2017, 28, 17533-17540.	2.2	24
14	Vertically-aligned Co(OH)2 Nanosheet Films for Flexible All-solid-state Electrochemical Supercapacitor. IOP Conference Series: Earth and Environmental Science, 2017, 94, 012131.	0.3	1
15	In-situ synthesis of Ag nanoparticles by electron beam irradiation. Materials Characterization, 2015, 110, 1-4.	4.4	15
16	Enhanced stability of thylakoid membrane proteins and antioxidant competence contribute to drought stress resistance in the tasg1 wheat stay-green mutant. Journal of Experimental Botany, 2013, 64, 1509-1520.	4.8	101
17	Synthesis and photoluminescence properties of string-like ZnO/SnO nanowire/nanosheet nano-heterostructures. Journal of Alloys and Compounds, 2013, 575, 24-28.	5.5	13
18	ZnO nanorod arrays with tunable size and field emission properties on an ITO substrate achieved by an electrodeposition method. Chinese Physics B, 2012, 21, 068101.	1.4	9

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19	Density functional calculations on 13-atom Pd 12 M (M = Scâ€"Ni) bimetallic clusters. Chinese Physics B, 2012, 21, 117101.	1.4	3
20	Zn_xCd_{1â^'x}S nanocrystals synthesised by solâ€"gel autocombustion method. Materials Research Innovations, 2012, 16, 257-260.	2.3	2
21	Fabrication of ZnS/SnO nanowire/nanosheet hierarchical nanoheterostructure and its photoluminescence properties. CrystEngComm, 2012, 14, 8063.	2.6	8
22	Controlled synthesis of ZnS nanocombs by self-evaporation using ZnS nanobelts as source and substrates. CrystEngComm, 2012, 14, 708-712.	2.6	18
23	Synthesis of branched Sn/carbon nanotube core/shell structures. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 2128-2131.	2.7	2
24	Density functional study on the electronic properties, polarizabilities, NICS values, and absorption spectra of fluorinated fullerene derivative C60F17CF3. Computational and Theoretical Chemistry, 2012, 991, 154-160.	2.5	9
25	Synthesis and photoluminescence properties of comb-like CdS nanobelt/ZnO nanorod heterostructures. Applied Surface Science, 2012, 261, 385-389.	6.1	5
26	Nonclassical fullerene C22H22 doped with transition metal atoms (ScNi): Density functional calculations. Computational and Theoretical Chemistry, 2012, 999, 225-230.	2.5	0
27	Synthesis, characterization and optical properties of ZnS nanobelt/ZnO nanoparticle heterostructures. Materials Letters, 2012, 82, 29-32.	2.6	14
28	Synthesis and photoluminescence properties of SnO2/ZnO hierarchical nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 791-796.	2.7	9
29	Structure and optical properties of individual hierarchical ZnS nanobelt/ZnO nanorod heterostructures. CrystEngComm, 2011, 13, 6774.	2.6	14
30	Solâ€"gel auto-combustion synthesis of totally immiscible NiAg alloy. Materials Research Bulletin, 2011, 46, 2531-2536.	5.2	8
31	Synthesis of K6Ta10.8O30 nanowires by molten salt technique. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 679-683.	3.5	15
32	Synthesis and magnetic properties of single-crystalline Na2- x Mn8O16 nanorods. Nanoscale Research Letters, 2011, 6, 133.	5.7	12
33	Controlled Synthesis of ZnO Nanostructures by Electrodeposition Method. Journal of Nanomaterials, 2010, 2010, 1-6.	2.7	20
34	Six-Fold-Symmetrical Hierarchical ZnO Nanostructure Arrays: Synthesis, Characterization, and Field Emission Properties. Crystal Growth and Design, 2010, 10, 2455-2459.	3.0	61
35	A third kind growth model of tetrapod: Rod-based single crystal ZnO tetrapod nanostructure. Materials Chemistry and Physics, 2008, 112, 749-752.	4.0	9
36	Epitaxial Growth of ZnO Nanowires on ZnS Nanobelts by Metal Organic Chemical Vapor Deposition. Crystal Growth and Design, 2008, 8, 3911-3913.	3.0	46

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37	Nanocrystal-induced line narrowing of surface acoustic phonons in the Raman spectra of embedded<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ge</mml:mtext></mml:mrow><mml:mi>x</mml:mi></mml:msub> nanocrystals. Physical Review B, 2008, 78, .	3.2	14
38	Layered tin dioxide microrods. Journal Physics D: Applied Physics, 2007, 40, 3998-4002.	2.8	1
39	Zinc nanoplates synthesized by a micro-jet under electron-beam irradiation. Nanotechnology, 2007, 18, 235606.	2.6	12
40	Multiform structures of SnO2 nanobelts. Nanotechnology, 2007, 18, 055607.	2.6	29
41	Novel Dendritic Palladium Nanostructure and Its Application in Biosensing. Journal of Physical Chemistry C, 2007, 111, 12609-12616.	3.1	98
42	Experimental Evidence of an Octahedron Nucleus in ZnS Tetrapods. Small, 2006, 2, 732-735.	10.0	38
43	Molybdenum trioxide nanostructures prepared by thermal oxidization of molybdenum. Journal of Crystal Growth, 2006, 294, 304-308.	1.5	72
44	Direct synthesis and characterization of CdS nanobelts. Applied Physics Letters, 2006, 89, 033102.	3.3	67
45	AlN nanorings. Journal of Crystal Growth, 2005, 283, 291-296.	1.5	50
46	Rapid synthesis and visible photoluminescence of ZnS nanobelts. Chemical Communications, 2005, , 351.	4.1	38
47	Controllable Assembly of Aligned ZnO Nanowires/Belts Arrays. Journal of Physical Chemistry B, 2005, 109, 20746-20750.	2.6	41
48	Preparation and Characterization of Straight and Zigzag AlN Nanowires. Journal of Physical Chemistry B, 2005, 109, 3701-3703.	2.6	43
49	Single Crystal SnO2Zigzag Nanobelts. Journal of the American Chemical Society, 2005, 127, 6180-6181.	13.7	165
50	Effective High-throughput Screening of Two-Dimensional Layered Materials for Potential Lithium-ion battery Anodes. Dalton Transactions, 0, , .	3.3	0