

# Jiangfeng Gong

## List of Publications by Year in descending order

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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	Single Crystal SnO <sub>2</sub> Zigzag Nanobelts. Journal of the American Chemical Society, 2005, 127, 6180-6181.	13.7	165
2	Enhanced stability of thylakoid membrane proteins and antioxidant competence contribute to drought stress resistance in the <i>tasg1</i> wheat stay-green mutant. Journal of Experimental Botany, 2013, 64, 1509-1520.	4.8	101
3	Novel Dendritic Palladium Nanostructure and Its Application in Biosensing. Journal of Physical Chemistry C, 2007, 111, 12609-12616.	3.1	98
4	Molybdenum trioxide nanostructures prepared by thermal oxidization of molybdenum. Journal of Crystal Growth, 2006, 294, 304-308.	1.5	72
5	Direct synthesis and characterization of CdS nanobelts. Applied Physics Letters, 2006, 89, 033102.	3.3	67
6	Six-Fold-Symmetrical Hierarchical ZnO Nanostructure Arrays: Synthesis, Characterization, and Field Emission Properties. Crystal Growth and Design, 2010, 10, 2455-2459.	3.0	61
7	AlN nanorings. Journal of Crystal Growth, 2005, 283, 291-296.	1.5	50
8	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
9	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
10	Preparation and Characterization of Straight and Zigzag AlN Nanowires. Journal of Physical Chemistry B, 2005, 109, 3701-3703.	2.6	43
11	Controllable Assembly of Aligned ZnO Nanowires/Belts Arrays. Journal of Physical Chemistry B, 2005, 109, 20746-20750.	2.6	41
12	High-Performance Flexible In-Plane Micro-Supercapacitors Based on Vertically Aligned CuSe@Ni(OH) <sub>2</sub> Hybrid Nanosheet Films. ACS Applied Materials & Interfaces, 2018, 10, 38341-38349.	8.0	41
13	Rapid synthesis and visible photoluminescence of ZnS nanobelts. Chemical Communications, 2005, , 351.	4.1	38
14	Experimental Evidence of an Octahedron Nucleus in ZnS Tetrapods. Small, 2006, 2, 732-735.	10.0	38
15	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
16	High-Performance Flexible All-Solid-State Asymmetric Supercapacitors Based on Vertically Aligned CuSe@Co(OH) <sub>2</sub> Nanosheet Arrays. Journal of Physical Chemistry C, 2018, 122, 2002-2011.	3.1	32
17	All-solid-state asymmetric supercapacitor based on porous cobalt selenide thin films. Journal of Alloys and Compounds, 2019, 772, 25-32.	5.5	30
18	Multiform structures of SnO <sub>2</sub> nanobelts. Nanotechnology, 2007, 18, 055607.	2.6	29

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19	Vertically-aligned Mn(OH) <sub>2</sub> nanosheet films for flexible all-solid-state electrochemical supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17533-17540.	2.2	24
20	Promising anode material BN/VS <sub>2</sub> heterostructure for the Li-ion battery: The first-principles study. <i>Applied Surface Science</i> , 2021, 564, 150468.	6.1	23
21	Controlled Synthesis of ZnO Nanostructures by Electrodeposition Method. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-6.	2.7	20
22	Controlled synthesis of ZnS nanocombs by self-evaporation using ZnS nanobelts as source and substrates. <i>CrystEngComm</i> , 2012, 14, 708-712.	2.6	18
23	Synthesis of nickel selenide thin films for high performance all-solid-state asymmetric supercapacitors. <i>Chinese Chemical Letters</i> , 2020, 31, 2275-2279.	9.0	18
24	Zinc-Ion Storage Mechanism of Polyaniline for Rechargeable Aqueous Zinc-Ion Batteries. <i>Nanomaterials</i> , 2022, 12, 1438.	4.1	17
25	Synthesis of K <sub>6</sub> Ta <sub>10</sub> .8O <sub>30</sub> nanowires by molten salt technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 679-683.	3.5	15
26	In-situ synthesis of Ag nanoparticles by electron beam irradiation. <i>Materials Characterization</i> , 2015, 110, 1-4.	4.4	15
27	Nanocrystal-induced line narrowing of surface acoustic phonons in the Raman spectra of embedded $\text{Ge}_{1-x}\text{Si}_x$ nanocrystals. <i>Physical Review B</i> , 2008, 78, ..	3.2	14
28	Structure and optical properties of individual hierarchical ZnS nanobelt/ZnO nanorod heterostructures. <i>CrystEngComm</i> , 2011, 13, 6774.	2.6	14
29	Synthesis, characterization and optical properties of ZnS nanobelt/ZnO nanoparticle heterostructures. <i>Materials Letters</i> , 2012, 82, 29-32.	2.6	14
30	Design of 2D Self-Supported Hybrid CuSe@PANI Core/Shell Nanosheet Arrays for High-Performance Flexible Microsupercapacitors. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29133-29143.	3.1	14
31	Synthesis and photoluminescence properties of string-like ZnO/SnO nanowire/nanosheet nano-heterostructures. <i>Journal of Alloys and Compounds</i> , 2013, 575, 24-28.	5.5	13
32	Zinc nanoplates synthesized by a micro-jet under electron-beam irradiation. <i>Nanotechnology</i> , 2007, 18, 235606.	2.6	12
33	Synthesis and magnetic properties of single-crystalline Na <sub>2-x</sub> Mn <sub>8</sub> O <sub>16</sub> nanorods. <i>Nanoscale Research Letters</i> , 2011, 6, 133.	5.7	12
34	A third kind growth model of tetrapod: Rod-based single crystal ZnO tetrapod nanostructure. <i>Materials Chemistry and Physics</i> , 2008, 112, 749-752.	4.0	9
35	ZnO nanorod arrays with tunable size and field emission properties on an ITO substrate achieved by an electrodeposition method. <i>Chinese Physics B</i> , 2012, 21, 068101.	1.4	9
36	Density functional study on the electronic properties, polarizabilities, NICS values, and absorption spectra of fluorinated fullerene derivative C <sub>60</sub> F <sub>17</sub> CF <sub>3</sub> . <i>Computational and Theoretical Chemistry</i> , 2012, 991, 154-160.	2.5	9

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37	Synthesis and photoluminescence properties of SnO <sub>2</sub> /ZnO hierarchical nanostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 791-796.	2.7	9
38	Sol-gel auto-combustion synthesis of totally immiscible NiAg alloy. <i>Materials Research Bulletin</i> , 2011, 46, 2531-2536.	5.2	8
39	Fabrication of ZnS/SnO nanowire/nanosheet hierarchical nanoheterostructure and its photoluminescence properties. <i>CrystEngComm</i> , 2012, 14, 8063.	2.6	8
40	Theoretically identifying the electrocatalytic activity and mechanism of Zn doped 2D h-BN for nitrate reduction to NH <sub>3</sub> . <i>Chemical Communications</i> , 2022, 58, 7156-7159.	4.1	7
41	Synthesis and photoluminescence properties of comb-like CdS nanobelt/ZnO nanorod heterostructures. <i>Applied Surface Science</i> , 2012, 261, 385-389.	6.1	5
42	Synthesis of Mn(OH) <sub>2</sub> Nanosheets on Carbon Cloth for High-Performance Aqueous Zinc-Ion Battery. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2021, 16, 1698-1704.	0.5	4
43	Density functional calculations on 13-atom Pd <sub>12</sub> M (M = Sc-Ni) bimetallic clusters. <i>Chinese Physics B</i> , 2012, 21, 117101.	1.4	3
44	Zn <sub>x</sub> Cd <sub>1-x</sub> S nanocrystals synthesised by sol-gel autocombustion method. <i>Materials Research Innovations</i> , 2012, 16, 257-260.	2.3	2
45	Synthesis of branched Sn/carbon nanotube core/shell structures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 2128-2131.	2.7	2
46	Layered tin dioxide microrods. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 3998-4002.	2.8	1
47	Vertically-aligned Co(OH) <sub>2</sub> Nanosheet Films for Flexible All-solid-state Electrochemical Supercapacitor. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 94, 012131.	0.3	1
48	Controllable Growth of Vertically-Aligned FeOOH Nanosheet Films on Au Interdigital Electrode for High-Performance Micro-Supercapacitors. <i>Science of Advanced Materials</i> , 2019, 11, 443-451.	0.7	1
49	Nonclassical fullerene C <sub>22</sub> H <sub>22</sub> doped with transition metal atoms (ScNi): Density functional calculations. <i>Computational and Theoretical Chemistry</i> , 2012, 999, 225-230.	2.5	0
50	Effective High-throughput Screening of Two-Dimensional Layered Materials for Potential Lithium-ion battery Anodes. <i>Dalton Transactions</i> , 0, , .	3.3	0