

Ye Sun

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

4,375
citations

33
h-index

66
g-index

70
ext. papers

4,980
ext. citations

7.9
avg, IF

5.5
L-index

#	Paper	IF	Citations
70	Growth of aligned ZnO nanorod arrays by catalyst-free pulsed laser deposition methods. <i>Chemical Physics Letters</i> , 2004 , 396, 21-26	2.5	377
69	One-step production of O-N-S co-doped three-dimensional hierarchical porous carbons for high-performance supercapacitors. <i>Nano Energy</i> , 2018 , 47, 547-555	17.1	374
68	Growth of ZnO thin films—Experiment and theory. <i>Journal of Materials Chemistry</i> , 2005 , 15, 139-148		322
67	Three-dimensional scaffolding framework of porous carbon nanosheets derived from plant wastes for high-performance supercapacitors. <i>Nano Energy</i> , 2016 , 27, 377-389	17.1	304
66	Mechanism of ZnO nanotube growth by hydrothermal methods on ZnO film-coated Si substrates. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 15186-92	3.4	247
65	Synthesis and photoluminescence of ultra-thin ZnO nanowire/nanotube arrays formed by hydrothermal growth. <i>Chemical Physics Letters</i> , 2006 , 431, 352-357	2.5	208
64	Multifunctional Bismuth Selenide Nanocomposites for Antitumor Thermo-Chemotherapy and Imaging. <i>ACS Nano</i> , 2016 , 10, 984-97	16.7	199
63	The kinetics of the hydrothermal growth of ZnO nanostructures. <i>Thin Solid Films</i> , 2007 , 515, 8679-8683	2.2	163
62	Multimodal Imaging-Guided Antitumor Photothermal Therapy and Drug Delivery Using Bismuth Selenide Spherical Sponge. <i>ACS Nano</i> , 2016 , 10, 9646-9658	16.7	157
61	Improved efficiency and stability of PbSn binary perovskite solar cells by Cs substitution. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17939-17945	13	115
60	A Low-Temperature, Solution Processable Tin Oxide Electron-Transporting Layer Prepared by the Dual-Fuel Combustion Method for Efficient Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600122	4.6	94
59	Highly porous PEGylated Bi ₂ S ₃ nano-urchins as a versatile platform for in vivo triple-modal imaging, photothermal therapy and drug delivery. <i>Nanoscale</i> , 2016 , 8, 16005-16	7.7	76
58	Phase-Transition Induced Conversion into a Photothermal Material: Quasi-Metallic WO Nanorods for Solar Water Evaporation and Anticancer Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10666-10671	16.4	75
57	Sulphur-doped carbon nanosheets derived from biomass as high-performance anode materials for sodium-ion batteries. <i>Nano Energy</i> , 2020 , 67, 104219	17.1	75
56	Nitrogen-doped carbon dots with excitation-independent long-wavelength emission produced by a room-temperature reaction. <i>Chemical Communications</i> , 2016 , 52, 11912-11914	5.8	72
55	Biowaste-Derived Hierarchical Porous Carbon Nanosheets for Ultrahigh Power Density Supercapacitors. <i>ChemSusChem</i> , 2018 , 11, 1678-1685	8.3	71
54	Highly crystalline Zn ₂ SnO ₄ nanoparticles as efficient electron-transporting layers toward stable inverted and flexible conventional perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15294-15307	13	70

53	Dual-phase molybdenum nitride nanorambutans for solar steam generation under one sun illumination. <i>Nano Energy</i> , 2019 , 57, 842-850	17.1	70
52	Multifunctional Bi@PPy-PEG Core-Shell Nanohybrids for Dual-Modal Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1605-1615	9.5	61
51	Fluoroalkyl-substituted fullerene/perovskite heterojunction for efficient and ambient stable perovskite solar cells. <i>Nano Energy</i> , 2016 , 30, 417-425	17.1	61
50	Biocompatible PEGylated bismuth nanocrystals: "All-in-one" theranostic agent with triple-modal imaging and efficient in vivo photothermal ablation of tumors. <i>Biomaterials</i> , 2017 , 141, 284-295	15.6	61
49	Ultrahigh-sensitive optical temperature sensing based on ferroelectric Pr ³⁺ -doped (K _{0.5} Na _{0.5})NbO ₃ . <i>Applied Physics Letters</i> , 2016 , 108, 061902	3.4	61
48	Sensitive Room Temperature Photoluminescence-Based Sensing of H ₂ S with Novel CuO-ZnO Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16379-85	9.5	60
47	Enhanced pyroelectric property in (1-x)(Bi _{0.5} Na _{0.5})TiO ₃ -xBa(Zr _{0.055} Ti _{0.945})O ₃ : Role of morphotropic phase boundary and ferroelectric-antiferroelectric phase transition. <i>Applied Physics Letters</i> , 2013 , 103, 182906	3.4	59
46	Low-cost high-performance zinc antimonide thin films for thermoelectric applications. <i>Advanced Materials</i> , 2012 , 24, 1693-6	24	54
45	Thermoelectric properties of thin films of bismuth telluride electrochemically deposited on stainless steel substrates. <i>Electrochimica Acta</i> , 2011 , 56, 4216-4223	6.7	54
44	Design and mechanism of core-shell TiO nanoparticles as a high-performance photothermal agent. <i>Nanoscale</i> , 2017 , 9, 16183-16192	7.7	48
43	Growth mechanisms for ZnO nanorods formed by pulsed laser deposition. <i>Superlattices and Microstructures</i> , 2006 , 39, 33-40	2.8	46
42	Enhanced ethanol sensing properties of ultrathin ZnO nanosheets decorated with CuO nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 3384-3390	8.5	40
41	Carbon dots-fed <i>Shewanella oneidensis</i> MR-1 for bioelectricity enhancement. <i>Nature Communications</i> , 2020 , 11, 1379	17.4	38
40	Human-Serum-Albumin-Coated Prussian Blue Nanoparticles as pH-/Thermotriggered Drug-Delivery Vehicles for Cancer Thermochemotherapy. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 53-62 ^{3.1}	3.1	36
39	Effects of Mn doping on multiferroic and magnetocapacitive properties of 0.33Ba _{0.70} Ca _{0.30} TiO ₃ 0.67BiFeO ₃ diphasic ceramics. <i>Journal of Alloys and Compounds</i> , 2014 , 590, 346-354 ^{5.7}	5.7	33
38	Hydrothermal Growth of ZnO Nanorods Aligned Parallel to the Substrate Surface. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9234-9239	3.8	33
37	SnSe@SnO ₂ core-shell nanocomposite for synchronous photothermal/photocatalytic production of clean water. <i>Environmental Science: Nano</i> , 2019 , 6, 1507-1515	7.1	31
36	UV photocatalytic activity of Au@ZnO core-shell nanostructure with enhanced UV emission. <i>RSC Advances</i> , 2015 , 5, 65595-65599	3.7	30

35	Highly efficient photothermal sterilization of water mediated by Prussian blue nanocages. <i>Environmental Science: Nano</i> , 2018 , 5, 1161-1168	7.1	28
34	Porous Ultrathin NiSe Nanosheet Networks on Nickel Foam for High-Performance Hybrid Supercapacitors. <i>ChemSusChem</i> , 2020 , 13, 260-266	8.3	26
33	Photoluminescence from diameter-selected ZnO nanorod arrays. <i>Nanotechnology</i> , 2007 , 18, 245701	3.4	25
32	Polyethylene glycol-modified cobalt sulfide nanosheets for high-performance photothermal conversion and photoacoustic/magnetic resonance imaging. <i>Nano Research</i> , 2018 , 11, 2436-2449	10	25
31	Enhanced Multiferroic and Magnetocapacitive Properties of $(1-x)$ Ba _{0.7} Ca _{0.3} TiO ₃ - x BiFeO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 816-825	3.8	24
30	Incident fluence dependent morphologies, photoluminescence and optical oxygen sensing properties of ZnO nanorods grown by pulsed laser deposition. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2557-2562	7.1	22
29	Thermoelectric Characteristics of Electrochemically Deposited Bi ₂ Te ₃ and Sb ₂ Te ₃ Thin Films of Relevance to Multilayer Preparation. <i>Journal of the Electrochemical Society</i> , 2011 , 159, D50-D58	3.9	22
28	White-light-emitting properties of SrTiO ₃ :Pr ³⁺ nanoparticles. <i>RSC Advances</i> , 2015 , 5, 27491-27495	3.7	21
27	Phase transition, microstructure and electrical properties of Fe doped Ba _{0.70} Ca _{0.30} TiO ₃ lead-free piezoelectric ceramics. <i>Ceramics International</i> , 2013 , 39, 8701-8708	5.1	21
26	Pr ³⁺ -Doped (K _{0.5} Na _{0.5})NbO ₃ as a high response optical oxygen sensing agent. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 11508-11513	7.1	20
25	Growth of nanostructured ZnO thin films on sapphire. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 89, 49-55	2.6	20
24	Long-range ordered and atomic-scale control of graphene hybridization by photocycloaddition. <i>Nature Chemistry</i> , 2020 , 12, 1035-1041	17.6	19
23	ZnO nanorod array grown on Ag layer: a highly efficient fluorescence enhancement platform. <i>Scientific Reports</i> , 2015 , 5, 8152	4.9	18
22	Effect of incident fluence on the growth of ZnO nanorods by pulsed excimer laser deposition. <i>Chemical Physics Letters</i> , 2007 , 447, 257-262	2.5	18
21	Core-shell Bi ₂ Se ₃ @mSiO ₂ -PEG as a Multifunctional Drug-Delivery Nanoplatfom for Synergistic Thermo-Chemotherapy with Infrared Thermal Imaging of Cancer Cells. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1700337	3.1	18
20	Growth of arrays of Al-doped ZnO nanocones by pulsed laser deposition. <i>Nanotechnology</i> , 2007 , 18, 495601	3.01	17
19	A solution to break the salt barrier for high-rate sustainable solar desalination. <i>Energy and Environmental Science</i> , 2021 , 14, 2451-2459	35.4	17
18	Diameter-optimized high-order waveguide nanorods for fluorescence enhancement applied in ultrasensitive bioassays. <i>Nanoscale</i> , 2019 , 11, 14322-14329	7.7	16

17	Cobalt Phosphide Nanoparticles Applied as a Theranostic Agent for Multimodal Imaging and Anticancer Photothermal Therapy. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800127	3.1	16
16	Xanthine Quartets on Au(111). <i>Journal of the American Chemical Society</i> , 2018 , 140, 54-57	16.4	15
15	Orientation control and thermoelectric properties of FeSb ₂ films. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 205402	3	13
14	Toward a Single ZnO Nanowire Homojunction. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 21338-21341	3.8	12
13	Ultrafast plasmonic lasing from a metal/semiconductor interface. <i>Nanoscale</i> , 2020 , 12, 16403-16408	7.7	10
12	Hierarchical porous graphitic carbon for high-performance supercapacitors at high temperature. <i>RSC Advances</i> , 2017 , 7, 34488-34496	3.7	9
11	Growth and thermoelectric properties of FeSb ₂ films produced by pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 104, 883-887	2.6	8
10	Enhanced Antibacterial Activity of Ag Nanoparticle-Decorated ZnO Nanorod Arrays. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-7	3.2	7
9	Antibacterial Ag ₂ SiO ₂ composite films synthesized by pulsed laser deposition. <i>Materials Letters</i> , 2014 , 130, 79-82	3.3	7
8	Rechargeable Mg-Ion Full Battery System with High Capacity and High Rate. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 40451-40459	9.5	6
7	Labeling efficiency and toxicity evaluation of CdSe/ZnS quantum dots on Escherichia coli. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	5
6	Pulsed laser deposition growth of FeSb ₂ films for thermoelectric applications. <i>Materials Chemistry and Physics</i> , 2011 , 129, 105-108	4.4	5
5	On-Surface Decarboxylation Coupling Facilitated by Lock-to-Unlock Variation of Molecules upon the Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17435-17439	16.4	4
4	The radiation hardness properties of E-ray for SOD circuits fabricated on 4-inch SOD wafer. <i>Diamond and Related Materials</i> , 2002 , 11, 405-407	3.5	3
3	On-Surface Decarboxylation Coupling Facilitated by Lock-to-Unlock Variation of Molecules upon the Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 17575-17579	3.6	2
2	Fabrication and optical properties of thin silica-coated CdSe/ZnS quantum dots. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, NA-NA	1.6	1
1	An efficient dual functional Raman and Fluorescence detection platform achieved by controlling the electromagnetic enhanced field in three-dimensional Ag/ZnO composited arrays. <i>Materials Advances</i> ,	3.3	0