

# Ye Sun

## List of Publications by Year in descending order

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70  
papers

5,491  
citations

101384

36  
h-index

88477

70  
g-index

70  
all docs

70  
docs citations

70  
times ranked

8476  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	8.2	547
2	Growth of aligned ZnO nanorod arrays by catalyst-free pulsed laser deposition methods. <i>Chemical Physics Letters</i> , 2004, 396, 21-26.	1.2	407
3	Three-dimensional scaffolding framework of porous carbon nanosheets derived from plant wastes for high-performance supercapacitors. <i>Nano Energy</i> , 2016, 27, 377-389.	8.2	391
4	Growth of ZnO thin films—experiment and theory. <i>Journal of Materials Chemistry</i> , 2005, 15, 139-148.	6.7	364
5	Mechanism of ZnO Nanotube Growth by Hydrothermal Methods on ZnO Film-Coated Si Substrates. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15186-15192.	1.2	269
6	Multifunctional Bismuth Selenide Nanocomposites for Antitumor Thermo-Chemotherapy and Imaging. <i>ACS Nano</i> , 2016, 10, 984-997.	7.3	234
7	Synthesis and photoluminescence of ultra-thin ZnO nanowire/nanotube arrays formed by hydrothermal growth. <i>Chemical Physics Letters</i> , 2006, 431, 352-357.	1.2	231
8	The kinetics of the hydrothermal growth of ZnO nanostructures. <i>Thin Solid Films</i> , 2007, 515, 8679-8683.	0.8	183
9	Multimodal Imaging-Guided Antitumor Photothermal Therapy and Drug Delivery Using Bismuth Selenide Spherical Sponge. <i>ACS Nano</i> , 2016, 10, 9646-9658.	7.3	175
10	Improved efficiency and stability of Pb—Sn binary perovskite solar cells by Cs substitution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17939-17945.	5.2	151
11	Sulphur-doped carbon nanosheets derived from biomass as high-performance anode materials for sodium-ion batteries. <i>Nano Energy</i> , 2020, 67, 104219.	8.2	143
12	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.	1.9	107
13	Phase-Transition Induced Conversion into a Photothermal Material: Quasi-Metallic $WO_{2.9}$ Nanorods for Solar Water Evaporation and Anticancer Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10666-10671.	7.2	104
14	Carbon dots-fed <i>Shewanella oneidensis</i> MR-1 for bioelectricity enhancement. <i>Nature Communications</i> , 2020, 11, 1379.	5.8	97
15	Dual-phase molybdenum nitride nanorambutans for solar steam generation under one sun illumination. <i>Nano Energy</i> , 2019, 57, 842-850.	8.2	96
16	Highly porous PEGylated $Bi_2S_3$ nano-urchins as a versatile platform for in vivo triple-modal imaging, photothermal therapy and drug delivery. <i>Nanoscale</i> , 2016, 8, 16005-16016.	2.8	90
17	Biowaste-Derived Hierarchical Porous Carbon Nanosheets for Ultrahigh Power Density Supercapacitors. <i>ChemSusChem</i> , 2018, 11, 1678-1685.	3.6	90
18	A solution to break the salt barrier for high-rate sustainable solar desalination. <i>Energy and Environmental Science</i> , 2021, 14, 2451-2459.	15.6	87

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19	Nitrogen-doped carbon dots with excitation-independent long-wavelength emission produced by a room-temperature reaction. <i>Chemical Communications</i> , 2016, 52, 11912-11914.	2.2	83
20	Highly crystalline Zn <sub>2</sub> SnO <sub>4</sub> nanoparticles as efficient electron-transporting layers toward stable inverted and flexible conventional perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15294-15301.	5.2	82
21	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.	5.7	81
22	Sensitive Room Temperature Photoluminescence-Based Sensing of H <sub>2</sub> S with Novel Cu@ZnO Nanorods. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16379-16385.	4.0	74
23	Enhanced pyroelectric property in (1-x)(Bi <sub>0.5</sub> Na <sub>0.5</sub> )Ti <sub>3</sub> -x(Ba(Zr <sub>0.055</sub> Ti <sub>0.945</sub> )O <sub>3</sub> ) <sub>2</sub> Role of morphotropic phase boundary and ferroelectric-antiferroelectric phase transition. <i>Applied Physics Letters</i> , 2013, 103, 182906.	1.5	72
24	Fluoroalkyl-substituted fullerene/perovskite heterojunction for efficient and ambient stable perovskite solar cells. <i>Nano Energy</i> , 2016, 30, 417-425.	8.2	71
25	Multifunctional Bi@PPy-PEG Core-Shell Nanohybrids for Dual-Modal Imaging and Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1605-1615.	4.0	71
26	Ultrahigh-sensitive optical temperature sensing based on ferroelectric Pr <sup>3+</sup> -doped (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> . <i>Applied Physics Letters</i> , 2016, 108, .	1.5	69
27	Thermoelectric properties of thin films of bismuth telluride electrochemically deposited on stainless steel substrates. <i>Electrochimica Acta</i> , 2011, 56, 4216-4223.	2.6	61
28	Design and mechanism of core-shell TiO <sub>2</sub> nanoparticles as a high-performance photothermal agent. <i>Nanoscale</i> , 2017, 9, 16183-16192.	2.8	61
29	Low-Cost High-Performance Zinc Antimonide Thin Films for Thermoelectric Applications. <i>Advanced Materials</i> , 2012, 24, 1693-1696.	11.1	60
30	Enhanced ethanol sensing properties of ultrathin ZnO nanosheets decorated with CuO nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3384-3390.	4.0	55
31	Growth mechanisms for ZnO nanorods formed by pulsed laser deposition. <i>Superlattices and Microstructures</i> , 2006, 39, 33-40.	1.4	52
32	Porous Ultrathin NiSe Nanosheet Networks on Nickel Foam for High-Performance Hybrid Supercapacitors. <i>ChemSusChem</i> , 2020, 13, 260-266.	3.6	50
33	SnSe@SnO <sub>2</sub> core-shell nanocomposite for synchronous photothermal-photocatalytic production of clean water. <i>Environmental Science: Nano</i> , 2019, 6, 1507-1515.	2.2	45
34	Human Serum Albumin-Coated Prussian Blue Nanoparticles as pH-Triggered Drug-Delivery Vehicles for Cancer Thermochemotherapy. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 53-62.	1.2	42
35	Long-range ordered and atomic-scale control of graphene hybridization by photocycloaddition. <i>Nature Chemistry</i> , 2020, 12, 1035-1041.	6.6	41
36	Highly efficient photothermal sterilization of water mediated by Prussian blue nanocages. <i>Environmental Science: Nano</i> , 2018, 5, 1161-1168.	2.2	39

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37	Effects of Mn doping on multiferroic and magnetocapacitive properties of $0.33\text{Ba}0.70\text{Ca}0.30\text{TiO}_3\text{â€}0.67\text{BiFeO}_3$ diphasic ceramics. <i>Journal of Alloys and Compounds</i> , 2014, 590, 346-354.	2.8	38
38	Polyethylene glycol-modified cobalt sulfide nanosheets for high-performance photothermal conversion and photoacoustic/magnetic resonance imaging. <i>Nano Research</i> , 2018, 11, 2436-2449.	5.8	36
39	Hydrothermal Growth of ZnO Nanorods Aligned Parallel to the Substrate Surface. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9234-9239.	1.5	34
40	UV photocatalytic activity of Au@ZnO coreâ€shell nanostructure with enhanced UV emission. <i>RSC Advances</i> , 2015, 5, 65595-65599.	1.7	34
41	Enhanced Multiferroic and Magnetocapacitive Properties of $(1\text{â€}x)\text{Ba}_{0.7}\text{Ca}_{0.3}\text{TiO}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2014, 97, 816-825.	1.1	26
42	Growth of nanostructured ZnO thin films on sapphire. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 89, 49-55.	1.1	26
43	Photoluminescence from diameter-selected ZnO nanorod arrays. <i>Nanotechnology</i> , 2007, 18, 245701.	1.3	25
44	Thermoelectric Characteristics of Electrochemically Deposited $\text{Bi}_2\text{Te}_3$ and $\text{Sb}_2\text{Te}_3$ Thin Films of Relevance to Multilayer Preparation. <i>Journal of the Electrochemical Society</i> , 2011, 159, D50-D58.	1.3	25
45	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.	2.7	24
46	White-light-emitting properties of $\text{SrTiO}_3\text{:Pr}^{3+}$ nanoparticles. <i>RSC Advances</i> , 2015, 5, 27491-27495.	1.7	24
47	Phase transition, microstructure and electrical properties of Fe doped $\text{Ba}_{0.70}\text{Ca}_{0.30}\text{TiO}_3$ lead-free piezoelectric ceramics. <i>Ceramics International</i> , 2013, 39, 8701-8708.	2.3	22
48	$\text{Pr}^{3+}$ -Doped $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ as a high response optical oxygen sensing agent. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11508-11513.	2.7	22
49	Coreâ€Shell $\text{Bi}_2\text{Se}_3$ @ $\text{mSiO}_2$ â€PEG as a Multifunctional Drugâ€Delivery Nanoplatfrom for Synergistic Thermoâ€Chemotherapy with Infrared Thermal Imaging of Cancer Cells. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700337.	1.2	22
50	Effect of incident fluence on the growth of ZnO nanorods by pulsed excimer laser deposition. <i>Chemical Physics Letters</i> , 2007, 447, 257-262.	1.2	21
51	Diameter-optimized high-order waveguide nanorods for fluorescence enhancement applied in ultrasensitive bioassays. <i>Nanoscale</i> , 2019, 11, 14322-14329.	2.8	21
52	ZnO Nanorod Array Grown on Ag Layer: A Highly Efficient Fluorescence Enhancement Platform. <i>Scientific Reports</i> , 2015, 5, 8152.	1.6	20
53	Xanthine Quartets on Au(111). <i>Journal of the American Chemical Society</i> , 2018, 140, 54-57.	6.6	20
54	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.	1.2	20

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55	Rechargeable Mg-Ion Full Battery System with High Capacity and High Rate. ACS Applied Materials & Interfaces, 2021, 13, 40451-40459.	4.0	19
56	Ultrafast plasmonic lasing from a metal/semiconductor interface. Nanoscale, 2020, 12, 16403-16408.	2.8	18
57	Growth of arrays of Al-doped ZnO nanocones by pulsed laser deposition. Nanotechnology, 2007, 18, 495601.	1.3	17
58	Orientation control and thermoelectric properties of FeSb <sub>2</sub> films. Journal Physics D: Applied Physics, 2010, 43, 205402.	1.3	14
59	Toward a Single ZnO Nanowire Homojunction. Journal of Physical Chemistry C, 2010, 114, 21338-21341.	1.5	12
60	Hierarchical porous graphitic carbon for high-performance supercapacitors at high temperature. RSC Advances, 2017, 7, 34488-34496.	1.7	12
61	Onâ€‘Surface Decarboxylation Coupling Facilitated by Lockâ€‘toâ€‘Unlock Variation of Molecules upon the Reaction. Angewandte Chemie - International Edition, 2021, 60, 17435-17439.	7.2	12
62	Growth and thermoelectric properties of FeSb <sub>2</sub> films produced by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2011, 104, 883-887.	1.1	9
63	Enhanced Antibacterial Activity of Ag Nanoparticle-Decorated ZnO Nanorod Arrays. Journal of Nanomaterials, 2019, 2019, 1-7.	1.5	9
64	Antibacterial Agâ€‘SiO <sub>2</sub> composite films synthesized by pulsed laser deposition. Materials Letters, 2014, 130, 79-82.	1.3	8
65	Labeling efficiency and toxicity evaluation of CdSe/ZnS quantum dots on Escherichia coli. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	6
66	Pulsed laser deposition growth of FeSb <sub>2</sub> films for thermoelectric applications. Materials Chemistry and Physics, 2011, 129, 105-108.	2.0	5
67	The radiation hardness properties of $\hat{\Gamma}^3$ -ray for SOD circuits fabricated on 4-inch SOD wafer. Diamond and Related Materials, 2002, 11, 405-407.	1.8	3
68	Fabrication and optical properties of thin silicaâ€‘coated CdSe/ZnS quantum dots. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2822-2825.	0.8	3
69	An efficient dual functional Raman and Fluorescence detection platform achieved by controlling the electromagnetic enhanced field in three-dimensional Ag/ZnO composited arrays. Materials Advances, 2022, 3, 4520-4525.	2.6	3
70	Onâ€‘Surface Decarboxylation Coupling Facilitated by Lockâ€‘toâ€‘Unlock Variation of Molecules upon the Reaction. Angewandte Chemie, 2021, 133, 17575-17579.	1.6	2