

Yanbing Yang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,018
citations

331670

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477307

29
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docs citations

30
times ranked

3657
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-area graphene-nanomesh/carbon-nanotube hybrid membranes for ionic and molecular nanofiltration. <i>Science</i> , 2019, 364, 1057-1062.	12.6	475
2	An Ultrathin Flexible 2D Membrane Based on Single-Walled Nanotube-MoS ₂ Hybrid Film for High-Performance Solar Steam Generation. <i>Advanced Functional Materials</i> , 2018, 28, 1704505.	14.9	271
3	Two-Dimensional Flexible Bilayer Janus Membrane for Advanced Photothermal Water Desalination. <i>ACS Energy Letters</i> , 2018, 3, 1165-1171.	17.4	203
4	Carbon nanotube-polypyrrole core-shell sponge and its application as highly compressible supercapacitor electrode. <i>Nano Research</i> , 2014, 7, 209-218.	10.4	115
5	Ultrafine Graphene Nanomesh with Large On/Off Ratio for High-Performance Flexible Biosensors. <i>Advanced Functional Materials</i> , 2017, 27, 1604096.	14.9	111
6	Perovskite-Type LaSrMnO Electrolyte with Uniform Porous Structure for an Efficient Li-O ₂ Battery Cathode. <i>ACS Nano</i> , 2016, 10, 1240-1248.	14.6	98
7	Recent progress in flexible and wearable bio-electronics based on nanomaterials. <i>Nano Research</i> , 2017, 10, 1560-1583.	10.4	96
8	Smart, stretchable and wearable supercapacitors: prospects and challenges. <i>CrystEngComm</i> , 2016, 18, 4218-4235.	2.6	75
9	Peroxidase-Mimicking Nanozyme with Enhanced Activity and High Stability Based on Metal-Support Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 409-415.	3.3	67
10	Coaxial TiO ₂ -carbon nanotube sponges as compressible anodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7398-7405.	10.3	50
11	Hierarchically Designed Three-Dimensional Macro/Mesoporous Carbon Frameworks for Advanced Electrochemical Capacitance Storage. <i>Chemistry - A European Journal</i> , 2015, 21, 6157-6164.	3.3	49
12	Point-of-Care Pathogen Testing Using Photonic Crystals and Machine Vision for Diagnosis of Urinary Tract Infections. <i>Nano Letters</i> , 2021, 21, 2854-2860.	9.1	40
13	Construction of MoS ₂ field effect transistor sensor array for the detection of bladder cancer biomarkers. <i>Science China Chemistry</i> , 2020, 63, 997-1003.	8.2	39
14	Enhanced Reliability of InGaZnO Thin-Film Transistors Through Design of Dual Passivation Layers. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 2844-2849.	3.0	38
15	A compressible mesoporous SiO ₂ sponge supported by a carbon nanotube network. <i>Nanoscale</i> , 2014, 6, 3585.	5.6	34
16	Rational Design of Hierarchical Carbon/Mesoporous Silicon Composite Sponges as High-Performance Flexible Energy Storage Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22819-22825.	8.0	34
17	Multiplexed Identification of Bacterial Biofilm Infections Based on Machine-Learning-Aided Lanthanide Encoding. <i>ACS Nano</i> , 2022, 16, 3300-3310.	14.6	32
18	Direct Observation of Nanoparticles within Cells at Subcellular Levels by Super-Resolution Fluorescence Imaging. <i>Analytical Chemistry</i> , 2019, 91, 5747-5752.	6.5	30

#	ARTICLE	IF	CITATIONS
19	Design of Highly Stable Tungsten-Doped IZO Thin-Film Transistors With Enhanced Performance. IEEE Transactions on Electron Devices, 2018, 65, 1018-1022.	3.0	26
20	Design of high stability thin-film transistor biosensor for the diagnosis of bladder cancer. Chinese Chemical Letters, 2020, 31, 1387-1391.	9.0	26
21	Direct fabrication of carbon nanotube-graphene hybrid films by a blown bubble method. Nano Research, 2015, 8, 1746-1754.	10.4	21
22	Construction of high stability indium gallium zinc oxide transistor biosensors for reliable detection of bladder cancer-associated microRNA. Chinese Chemical Letters, 2022, 33, 979-982.	9.0	19
23	Real-time Monitoring of Dynamic Microbial Fe(III) Respiration Metabolism with a Living Cell-compatible Electron-sensing Probe. Angewandte Chemie - International Edition, 2022, 61, .	13.8	19
24	Blown-Bubble Assembly and in Situ Fabrication of Sausage-like Graphene Nanotubes Containing Copper Nanoblocks. Nano Letters, 2016, 16, 4917-4924.	9.1	13
25	Chemically modified nucleic acid biopolymers used in biosensing. Materials Chemistry Frontiers, 2020, 4, 1315-1327.	5.9	12
26	Exposing residual catalyst in a carbon nanotube sponge. RSC Advances, 2016, 6, 45103-45111.	3.6	9
27	Two-Dimensional Device with Light-Controlled Capability for Treatment of Cancer-Relevant Infection Diseases. Analytical Chemistry, 2020, 92, 10162-10168.	6.5	6
28	Blown Bubble Assembly of Graphene Oxide Patches for Transparent Electrodes in Carbon-Silicon Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 28330-28336.	8.0	5
29	Solar-Driven Overproduction of Biofuels in Microorganisms. Angewandte Chemie - International Edition, 2022, 61, .	13.8	5
30	Solar-Driven Overproduction of Biofuels in Microorganisms. Angewandte Chemie, 0, .	2.0	0