

Jin-Long Wang

List of Publications by Year in descending order

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34
papers

1,755
citations

394421

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35
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38
all docs

38
docs citations

38
times ranked

2946
citing authors

#	ARTICLE	IF	CITATIONS
1	Large Area Co-Assembly of Nanowires for Flexible Transparent Smart Windows. <i>Journal of the American Chemical Society</i> , 2017, 139, 9921-9926.	13.7	236
2	Ultrathin $W_{18}O_{49}$ Nanowire Assemblies for Electrochromic Devices. <i>Nano Letters</i> , 2013, 13, 3589-3593.	9.1	198
3	Nanowire Assemblies for Flexible Electronic Devices: Recent Advances and Perspectives. <i>Advanced Materials</i> , 2018, 30, e1803430.	21.0	124
4	Highly Stimuli-Responsive Au Nanorods/Poly(<i>N</i> -isopropylacrylamide) (PNIPAM) Composite Hydrogel for Smart Switch. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24857-24863.	8.0	113
5	Self-Stacked Reduced Graphene Oxide Nanosheets Coated with Cobalt-Nickel Hydroxide by One-Step Electrochemical Deposition toward Flexible Electrochromic Supercapacitors. <i>Small</i> , 2015, 11, 4666-4672.	10.0	105
6	Manipulating Nanowire Assembly for Flexible Transparent Electrodes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13477-13482.	13.8	97
7	Ordering Ag nanowire arrays by a glass capillary: A portable, reusable and durable SERS substrate. <i>Scientific Reports</i> , 2012, 2, 987.	3.3	93
8	Self-Powered Flexible Electrochromic Smart Window. <i>Nano Letters</i> , 2021, 21, 9976-9982.	9.1	89
9	Elastic Carbon Nanotube Aerogel Meets Tellurium Nanowires: A Binder- and Collector-Free Electrode for Li-Te Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 3580-3588.	14.9	73
10	A new generation of alloyed/multimetal chalcogenide nanowires by chemical transformation. <i>Science Advances</i> , 2015, 1, e1500714.	10.3	57
11	Mass Production of Nanowire-Nylon Flexible Transparent Smart Windows for PM2.5 Capture. <i>IScience</i> , 2019, 12, 333-341.	4.1	45
12	Manipulating Nanowire Assemblies toward Multicolor Transparent Electrochromic Device. <i>Nano Letters</i> , 2021, 21, 9203-9209.	9.1	39
13	Ordered Nanostructure Enhances Electrocatalytic Performance by Directional Micro-Electric Field. <i>Journal of the American Chemical Society</i> , 2019, 141, 10729-10735.	13.7	38
14	A room-temperature environmentally friendly solution process to assemble silver nanowire architectures for flexible transparent electrodes. <i>Nanoscale</i> , 2017, 9, 52-55.	5.6	33
15	Large-Area Crystalline Zeolitic Imidazolate Framework Thin Films. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14124-14130.	13.8	30
16	Recycling Nanowire Templates for Multiplex Templating Synthesis: A Green and Sustainable Strategy. <i>Chemistry - A European Journal</i> , 2015, 21, 4935-4939.	3.3	27
17	Microchemical Engineering in a 3D Ordered Channel Enhances Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 12600-12608.	13.7	25
18	Reduction-Controlled Atomic Migration for Single Atom Alloy Library. <i>Nano Letters</i> , 2022, 22, 4232-4239.	9.1	20

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19	Stability and protection of nanowire devices in air. <i>Nano Research</i> , 2018, 11, 3353-3361.	10.4	16
20	Recycling Valuable Elements from the Chemical Synthesis Process of Nanomaterials: A Sustainable View. , 2019, 1, 541-548.		16
21	Radial Nanowire Assemblies under Rotating Magnetic Field Enabled Efficient Charge Separation. <i>Nano Letters</i> , 2020, 20, 2763-2769.	9.1	16
22	Biomimetic Design and Mass Production of Sustainable Multiscale Cellulose Fibers-Based Hierarchical Filter Materials for Protective Clothing. <i>Advanced Materials Technologies</i> , 2021, 6, 2100193.	5.8	15
23	Real-Time Probing of Nanowire Assembly Kinetics at the Air-Water Interface by In-Situ Synchrotron X-Ray Scattering. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8130-8134.	13.8	14
24	Self-Assembly of Nanowires: From Dynamic Monitoring to Precision Control. <i>Accounts of Chemical Research</i> , 2022, 55, 1480-1491.	15.6	12
25	Real-Time Visualization of Solid-Phase Ion Migration Kinetics on Nanowire Monolayer. <i>Journal of the American Chemical Society</i> , 2020, 142, 7968-7975.	13.7	10
26	Recycling valuable silver from waste generated in diverse nanotemplate reactions. <i>Science China Materials</i> , 2016, 59, 538-546.	6.3	8
27	Mass-production of flexible and transparent Te-Au nylon SERS substrate with excellent mechanical stability. <i>Nano Research</i> , 2019, 12, 1483-1488.	10.4	8
28	Manipulating Nanowire Structures for an Enhanced Broad-Band Flexible Photothermoelectric Photodetector. <i>Nano Letters</i> , 2022, 22, 5929-5935.	9.1	8
29	Ordering silver nanowires for chiroptical activity. <i>Science China Materials</i> , 2022, 65, 1362-1368.	6.3	5
30	Large-Area Crystalline Zeolitic Imidazolate Framework Thin Films. <i>Angewandte Chemie</i> , 2021, 133, 14243-14249.	2.0	4
31	Real-Time Probing of Nanowire Assembly Kinetics at the Air-Water Interface by In-Situ Synchrotron X-Ray Scattering. <i>Angewandte Chemie</i> , 2018, 130, 8262-8266.	2.0	3
32	Necklace-like ultrathin silver telluride nanowire films and their reversible structural phase transition. <i>Chemical Communications</i> , 2021, 57, 6887-6890.	4.1	3
33	Flexible Electronics: Ultrathin Hetero-Nanowire-Based Flexible Electronics with Tunable Conductivity (<i>Adv. Mater.</i> 41/2013). <i>Advanced Materials</i> , 2013, 25, 5909-5909.	21.0	2
34	Binder/Collector-Free Te Cathodes: Elastic Carbon Nanotube Aerogel Meets Tellurium Nanowires: A Binder- and Collector-Free Electrode for Li-Te Batteries (<i>Adv. Funct. Mater.</i> 21/2016). <i>Advanced Functional Materials</i> , 2016, 26, 3747-3747.	14.9	0