

Zhen He

List of Publications by Year in descending order

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29
papers

831
citations

623734

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29
docs citations

29
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1233
citing authors

#	ARTICLE	IF	CITATIONS
1	Ordering silver nanowires for chiroptical activity. <i>Science China Materials</i> , 2022, 65, 1362-1368.	6.3	5
2	On-demand synthesis of high-quality, blue-light-active ZnSe colloidal quantum wires. <i>National Science Review</i> , 2022, 9, .	9.5	3
3	Reduction-Controlled Atomic Migration for Single Atom Alloy Library. <i>Nano Letters</i> , 2022, 22, 4232-4239.	9.1	20
4	Self-Assembly of Nanowires: From Dynamic Monitoring to Precision Control. <i>Accounts of Chemical Research</i> , 2022, 55, 1480-1491.	15.6	12
5	Manipulating Nanowire Structures for an Enhanced Broad-Band Flexible Photothermoelectric Photodetector. <i>Nano Letters</i> , 2022, 22, 5929-5935.	9.1	8
6	Necklace-like ultrathin silver telluride nanowire films and their reversible structural phase transition. <i>Chemical Communications</i> , 2021, 57, 6887-6890.	4.1	3
7	Templating Synthesis of Metal-Organic Framework Nanofiber Aerogels and Their Derived Hollow Porous Carbon Nanofibers for Energy Storage and Conversion. <i>Small</i> , 2021, 17, e2004140.	10.0	32
8	One-Dimensional Superlattice Heterostructure Library. <i>Journal of the American Chemical Society</i> , 2021, 143, 7013-7020.	13.7	16
9	Microchemical Engineering in a 3D Ordered Channel Enhances Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 12600-12608.	13.7	25
10	A Metallic Ion-Induced Self-Assembly Enabling Nanowire-Based Aerogels. <i>Small</i> , 2021, 17, e2103406.	10.0	3
11	Manipulating Nanowire Assemblies toward Multicolor Transparent Electrochromic Device. <i>Nano Letters</i> , 2021, 21, 9203-9209.	9.1	39
12	A Metallic Ion-Induced Self-Assembly Enabling Nanowire-Based Aerogels (<i>Small</i> 44/2021). <i>Small</i> , 2021, 17, 2170231.	10.0	0
13	Self-Powered Flexible Electrochromic Smart Window. <i>Nano Letters</i> , 2021, 21, 9976-9982.	9.1	89
14	Composition Modulation of Pt-Based Nanowire Electrocatalysts Enhances Methanol Oxidation Performance. <i>Inorganic Chemistry</i> , 2020, 59, 1376-1382.	4.0	11
15	Shape characterization and discrimination of single nanoparticles using solid-state nanopores. <i>Analyst</i> , 2020, 145, 1657-1666.	3.5	12
16	Radial Nanowire Assemblies under Rotating Magnetic Field Enabled Efficient Charge Separation. <i>Nano Letters</i> , 2020, 20, 2763-2769.	9.1	16
17	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
18	Nanowire Genome: A Magic Toolbox for 1D Nanostructures. <i>Advanced Materials</i> , 2019, 31, e1902807.	21.0	44

#	ARTICLE	IF	CITATIONS
19	Preparation of Nano-SiO ₂ -Coated Graphite Films by a Laser-Assisted Sol-Gel Process. Journal of Materials Engineering and Performance, 2019, 28, 5146-5155.	2.5	2
20	Ordered Nanostructure Enhances Electrocatalytic Performance by Directional Micro-Electric Field. Journal of the American Chemical Society, 2019, 141, 10729-10735.	13.7	38
21	Mass Production of Nanowire-Nylon Flexible Transparent Smart Windows for PM _{2.5} Capture. IScience, 2019, 12, 333-341.	4.1	45
22	Stability and protection of nanowire devices in air. Nano Research, 2018, 11, 3353-3361.	10.4	16
23	Potassium Ion Assisted Synthesis of Organic-Inorganic Hybrid Perovskite Nanobelts for Stable and Flexible Photodetectors. Advanced Optical Materials, 2018, 6, 1701029.	7.3	37
24	Biomimetic twisted plywood structural materials. National Science Review, 2018, 5, 703-714.	9.5	79
25	Real-Time Probing of Nanowire Assembly Kinetics at the Air-Water Interface by In-Situ Synchrotron X-Ray Scattering. Angewandte Chemie, 2018, 130, 8262-8266.	2.0	3
26	Real-Time Probing of Nanowire Assembly Kinetics at the Air-Water Interface by In-Situ Synchrotron X-Ray Scattering. Angewandte Chemie - International Edition, 2018, 57, 8130-8134.	13.8	14
27	Emerging tellurium nanostructures: controllable synthesis and their applications. Chemical Society Reviews, 2017, 46, 2732-2753.	38.1	186
28	Wide-angle polarization-free plasmon-enhanced light absorption in perovskite films using silver nanowires. Optics Express, 2017, 25, 3594.	3.4	7
29	Surface functionalization and structure characterizations of nanodiamond and its epoxy based nanocomposites. Composites Part B: Engineering, 2015, 78, 480-487.	12.0	56