

# Zhen He

## List of Publications by Year in descending order

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29  
papers

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citations

623734

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501196

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docs citations

29  
times ranked

1233  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging tellurium nanostructures: controllable synthesis and their applications. <i>Chemical Society Reviews</i> , 2017, 46, 2732-2753.	38.1	186
2	Self-Powered Flexible Electrochromic Smart Window. <i>Nano Letters</i> , 2021, 21, 9976-9982.	9.1	89
3	Biomimetic twisted plywood structural materials. <i>National Science Review</i> , 2018, 5, 703-714.	9.5	79
4	Surface functionalization and structure characterizations of nanodiamond and its epoxy based nanocomposites. <i>Composites Part B: Engineering</i> , 2015, 78, 480-487.	12.0	56
5	Mass Production of Nanowire-Nylon Flexible Transparent Smart Windows for PM2.5 Capture. <i>IScience</i> , 2019, 12, 333-341.	4.1	45
6	Nanowire Genome: A Magic Toolbox for 1D Nanostructures. <i>Advanced Materials</i> , 2019, 31, e1902807.	21.0	44
7	Manipulating Nanowire Assemblies toward Multicolor Transparent Electrochromic Device. <i>Nano Letters</i> , 2021, 21, 9203-9209.	9.1	39
8	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
9	Potassium Ion Assisted Synthesis of Organic-Inorganic Hybrid Perovskite Nanobelts for Stable and Flexible Photodetectors. <i>Advanced Optical Materials</i> , 2018, 6, 1701029.	7.3	37
10	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
11	Microchemical Engineering in a 3D Ordered Channel Enhances Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 12600-12608.	13.7	25
12	Reduction-Controlled Atomic Migration for Single Atom Alloy Library. <i>Nano Letters</i> , 2022, 22, 4232-4239.	9.1	20
13	Stability and protection of nanowire devices in air. <i>Nano Research</i> , 2018, 11, 3353-3361.	10.4	16
14	Radial Nanowire Assemblies under Rotating Magnetic Field Enabled Efficient Charge Separation. <i>Nano Letters</i> , 2020, 20, 2763-2769.	9.1	16
15	One-Dimensional Superlattice Heterostructure Library. <i>Journal of the American Chemical Society</i> , 2021, 143, 7013-7020.	13.7	16
16	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
17	Shape characterization and discrimination of single nanoparticles using solid-state nanopores. <i>Analyst</i> , 2020, 145, 1657-1666.	3.5	12
18	Self-Assembly of Nanowires: From Dynamic Monitoring to Precision Control. <i>Accounts of Chemical Research</i> , 2022, 55, 1480-1491.	15.6	12

#	ARTICLE	IF	CITATIONS
19	Composition Modulation of Pt-Based Nanowire Electrocatalysts Enhances Methanol Oxidation Performance. <i>Inorganic Chemistry</i> , 2020, 59, 1376-1382.	4.0	11
20	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
21	Manipulating Nanowire Structures for an Enhanced Broad-Band Flexible Photothermoelectric Photodetector. <i>Nano Letters</i> , 2022, 22, 5929-5935.	9.1	8
22	Wide-angle polarization-free plasmon-enhanced light absorption in perovskite films using silver nanowires. <i>Optics Express</i> , 2017, 25, 3594.	3.4	7
23	Ordering silver nanowires for chiroptical activity. <i>Science China Materials</i> , 2022, 65, 1362-1368.	6.3	5
24	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
25	Necklace-like ultrathin silver telluride nanowire films and their reversible structural phase transition. <i>Chemical Communications</i> , 2021, 57, 6887-6890.	4.1	3
26	A Metallic Ion-Induced Self-Assembly Enabling Nanowire-Based Aerogels. <i>Small</i> , 2021, 17, e2103406.	10.0	3
27	On-demand synthesis of high-quality, blue-light-active ZnSe colloidal quantum wires. <i>National Science Review</i> , 2022, 9, .	9.5	3
28	Preparation of Nano-SiO <sub>2</sub> -Coated Graphite Films by a Laser-Assisted Sol-Gel Process. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 5146-5155.	2.5	2
29	A Metallic Ion-Induced Self-Assembly Enabling Nanowire-Based Aerogels ( <i>Small</i> 44/2021). <i>Small</i> , 2021, 17, 2170231.	10.0	0