

Zhen Wang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,628
citations

471509

17
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

2150
citing authors

#	ARTICLE	IF	CITATIONS
1	Fusing electrochromic technology with other advanced technologies: A new roadmap for future development. <i>Materials Science and Engineering Reports</i> , 2020, 140, 100524.	31.8	227
2	Metal-Organic Frameworks as Surface Enhanced Raman Scattering Substrates with High Tailorability. <i>Journal of the American Chemical Society</i> , 2019, 141, 870-878.	13.7	204
3	Towards full-colour tunability of inorganic electrochromic devices using ultracompact fabry-perot nanocavities. <i>Nature Communications</i> , 2020, 11, 302.	12.8	167
4	Electrochromic semiconductors as colorimetric SERS substrates with high reproducibility and renewability. <i>Nature Communications</i> , 2019, 10, 678.	12.8	131
5	Coordination-controlled single-atom tungsten as a non-3d-metal oxygen reduction reaction electrocatalyst with ultrahigh mass activity. <i>Nano Energy</i> , 2019, 60, 394-403.	16.0	119
6	Electrostatic-Interaction-Assisted Construction of 3D Networks of Manganese Dioxide Nanosheets for Flexible High-Performance Solid-State Asymmetric Supercapacitors. <i>ACS Nano</i> , 2017, 11, 7879-7888.	14.6	116
7	Fabry-Perot Cavity-Type Electrochromic Supercapacitors with Exceptionally Versatile Color Tunability. <i>Nano Letters</i> , 2020, 20, 1915-1922.	9.1	115
8	Trace H ₂ O-Assisted High-Capacity Tungsten Oxide Electrochromic Batteries with Ultrafast Charging in Seconds. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7161-7165.	13.8	107
9	Eutectoid-structured WC/W ₂ C heterostructures: A new platform for long-term alkaline hydrogen evolution reaction at low overpotentials. <i>Nano Energy</i> , 2020, 68, 104335.	16.0	98
10	Using Intrinsic Intracrystalline Tunnels for Near-Infrared and Visible Light Selective Electrochromic Modulation. <i>Advanced Optical Materials</i> , 2017, 5, 1700194.	7.3	68
11	Remarkable Near-Infrared Electrochromism in Tungsten Oxide Driven by Interlayer Water-Induced Battery-to-Pseudocapacitor Transition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33917-33925.	8.0	61
12	Mimicking Nature's Butterflies: Electrochromic Devices with Dual-Sided Differential Colorations. <i>Advanced Materials</i> , 2021, 33, e2007314.	21.0	50
13	MOF-derived vertically stacked Mn ₂ O ₃ @C flakes for fiber-shaped zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24031-24039.	10.3	48
14	Vibrant Color Palettes of Electrochromic Manganese Oxide Electrodes for Colorful Zn-Ion Battery. <i>Advanced Optical Materials</i> , 2021, 9, 2100637.	7.3	34
15	Color-Changing Microfiber-Based Multifunctional Window Screen for Capture and Visualized Monitoring of NH ₃ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15065-15072.	8.0	22
16	Electrochromic Metamaterials of Metal-Dielectric Stacks for Multicolor Displays with High Color Purity. <i>Nano Letters</i> , 2021, 21, 6891-6897.	9.1	22
17	Tuning Sulfur Doping for Bifunctional Electrocatalyst with Selectivity between Oxygen and Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2018, 1, 5822-5829.	5.1	21
18	A Dopant Replacement-Driven Molten Salt Method toward the Synthesis of Sub-5-nm-Sized Ultrathin Nanowires. <i>Small</i> , 2020, 16, 2001098.	10.0	8

#	ARTICLE	IF	CITATIONS
19	High-color-purity transmissive colors with high angular tolerance based on metal/dielectric stacks. Optics Communications, 2019, 434, 70-74.	2.1	6
20	Fabrication of Single-Particle Microelectrodes and Their Electrochemical Properties. ACS Applied Materials & Interfaces, 2022, 14, 20981-20987.	8.0	4