

# Zhen Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7712716/publications.pdf>

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	Fabrication of Single-Particle Microelectrodes and Their Electrochemical Properties. ACS Applied Materials & Interfaces, 2022, 14, 20981-20987.	8.0	4
2	Mimicking Nature's Butterflies: Electrochromic Devices with Dual-Sided Differential Colorations. Advanced Materials, 2021, 33, e2007314.	21.0	50
3	Vibrant Color Palettes of Electrochromic Manganese Oxide Electrodes for Colorful Zn-Ion Battery. Advanced Optical Materials, 2021, 9, 2100637.	7.3	34
4	Electrochromic Metamaterials of Metal-Dielectric Stacks for Multicolor Displays with High Color Purity. Nano Letters, 2021, 21, 6891-6897.	9.1	22
5	Fusing electrochromic technology with other advanced technologies: A new roadmap for future development. Materials Science and Engineering Reports, 2020, 140, 100524.	31.8	227
6	Eutectoid-structured WC/W <sub>2</sub> C heterostructures: A new platform for long-term alkaline hydrogen evolution reaction at low overpotentials. Nano Energy, 2020, 68, 104335.	16.0	98
7	MOF-derived vertically stacked Mn <sub>2</sub> O <sub>3</sub> @C flakes for fiber-shaped zinc-ion batteries. Journal of Materials Chemistry A, 2020, 8, 24031-24039.	10.3	48
8	A Dopant Replacement-Driven Molten Salt Method toward the Synthesis of Sub-5-nm-Sized Ultrathin Nanowires. Small, 2020, 16, 2001098.	10.0	8
9	Remarkable Near-Infrared Electrochromism in Tungsten Oxide Driven by Interlayer Water-Induced Battery-to-Pseudocapacitor Transition. ACS Applied Materials & Interfaces, 2020, 12, 33917-33925.	8.0	61
10	Fabry-Perot Cavity-Type Electrochromic Supercapacitors with Exceptionally Versatile Color Tunability. Nano Letters, 2020, 20, 1915-1922.	9.1	115
11	Towards full-colour tunability of inorganic electrochromic devices using ultracompact fabry-perot nanocavities. Nature Communications, 2020, 11, 302.	12.8	167
12	Coordination-controlled single-atom tungsten as a non-3d-metal oxygen reduction reaction electrocatalyst with ultrahigh mass activity. Nano Energy, 2019, 60, 394-403.	16.0	119
13	Electrochromic semiconductors as colorimetric SERS substrates with high reproducibility and renewability. Nature Communications, 2019, 10, 678.	12.8	131
14	Metal-Organic Frameworks as Surface Enhanced Raman Scattering Substrates with High Tailorability. Journal of the American Chemical Society, 2019, 141, 870-878.	13.7	204
15	High-color-purity transmissive colors with high angular tolerance based on metal/dielectric stacks. Optics Communications, 2019, 434, 70-74.	2.1	6
16	Color-Changing Microfiber-Based Multifunctional Window Screen for Capture and Visualized Monitoring of NH <sub>3</sub> . ACS Applied Materials & Interfaces, 2018, 10, 15065-15072.	8.0	22
17	Tuning Sulfur Doping for Bifunctional Electrocatalyst with Selectivity between Oxygen and Hydrogen Evolution. ACS Applied Energy Materials, 2018, 1, 5822-5829.	5.1	21
18	Using Intrinsic Intracrystalline Tunnels for Near-Infrared and Visible-Light Selective Electrochromic Modulation. Advanced Optical Materials, 2017, 5, 1700194.	7.3	68

#	ARTICLE	IF	CITATIONS
19	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
20	Trace H <sub>2</sub> 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