

Mingwei Zhu

List of Publications by Year in descending order

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24
papers

4,168
citations

430754

18
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610775

24
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24
docs citations

24
times ranked

4816
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong, Water-Resistant, and Ionic Conductive All-Chitosan Film with a Self-Locking Structure. ACS Applied Materials & Interfaces, 2022, 14, 23797-23807.	4.0	5
2	An Ultra-Strong, Water Stable and Antimicrobial Chitosan Film with Interdigitated Bouligand Structure. Advanced Sustainable Systems, 2022, 6, .	2.7	6
3	Plasmonic dye-sensitized solar cells through collapsible gold nanofingers. Nanotechnology, 2021, 32, 355301.	1.3	3
4	Recent advances in solar-driven evaporation systems. Journal of Materials Chemistry A, 2020, 8, 25571-25600.	5.2	77
5	Three-Dimensional-Percolated Ceramic Nanoparticles along Natural-Cellulose-Derived Hierarchical Networks for High Li ⁺ Conductivity and Mechanical Strength. Nano Letters, 2020, 20, 7397-7404.	4.5	37
6	Strong and Superhydrophobic Wood with Aligned Cellulose Nanofibers as a Waterproof Structural Material. Chinese Journal of Chemistry, 2020, 38, 823-829.	2.6	21
7	Precision Imprinted Nanostructural Wood. Advanced Materials, 2019, 31, e1903270.	11.1	31
8	Processing bulk natural wood into a high-performance structural material. Nature, 2018, 554, 224-228.	13.7	970
9	Plasmonic Wood for High-Efficiency Solar Steam Generation. Advanced Energy Materials, 2018, 8, 1701028.	10.2	701
10	Hierarchically Porous, Ultrathick, "Breathable" Wood-Derived Cathode for Lithium-Oxygen Batteries. Advanced Energy Materials, 2018, 8, 1701203.	10.2	161
11	Isotropic Paper Directly from Anisotropic Wood: Top-Down Green Transparent Substrate Toward Biodegradable Electronics. ACS Applied Materials & Interfaces, 2018, 10, 28566-28571.	4.0	79
12	Super-Clear Nanopaper from Agro-Industrial Waste for Green Electronics. Advanced Electronic Materials, 2017, 3, 1600539.	2.6	27
13	Anisotropic, Transparent Films with Aligned Cellulose Nanofibers. Advanced Materials, 2017, 29, 1606284.	11.1	202
14	Tree-Inspired Design for High-Efficiency Water Extraction. Advanced Materials, 2017, 29, 1704107.	11.1	494
15	Highly Anisotropic Conductors. Advanced Materials, 2017, 29, 1703331.	11.1	80
16	Electrically Tunable Fano Resonance from the Coupling between Interband Transition in Monolayer Graphene and Magnetic Dipole in Metamaterials. Scientific Reports, 2017, 7, 17117.	1.6	16
17	The Coupling Effects of Surface Plasmon Polaritons and Magnetic Dipole Resonances in Metamaterials. Nanoscale Research Letters, 2017, 12, 586.	3.1	14
18	A High-Performance, Low-Tortuosity Wood-Carbon Monolith Reactor. Advanced Materials, 2017, 29, 1604257.	11.1	110

#	ARTICLE	IF	CITATIONS
19	Highly Anisotropic, Highly Transparent Wood Composites. <i>Advanced Materials</i> , 2016, 28, 5181-5187.	11.1	518
20	Ultra-thick, Low-tortuosity, and Mesoporous Wood Carbon Anode for High-performance Sodium-ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1600377.	10.2	257
21	Light management in plastic-paper hybrid substrate towards high-performance optoelectronics. <i>Energy and Environmental Science</i> , 2016, 9, 2278-2285.	15.6	103
22	Wood Composite as an Energy Efficient Building Material: Guided Sunlight Transmittance and Effective Thermal Insulation. <i>Advanced Energy Materials</i> , 2016, 6, 1601122.	10.2	228
23	Ultrathin amorphous silicon thin-film solar cells by magnetic plasmonic metamaterial absorbers. <i>RSC Advances</i> , 2015, 5, 81866-81874.	1.7	22
24	A general method for mass and template-free production of hierarchical metal oxide spheres at room-temperature. <i>RSC Advances</i> , 2014, 4, 24176-24182.	1.7	6