Zhimi Hu

List of Publications by Year
in descending order

27 papers	2,845 citations	304743 22 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	4785 citing authors

#	Article	IF	Citations
1	Flexible and cross-linked N-doped carbon nanofiber network for high performance freestanding supercapacitor electrode. Nano Energy, 2015, 15, 66-74.	16.0	384
2	Scalable salt-templated synthesis of two-dimensional transition metal oxides. Nature Communications, 2016, 7, 11296.	12.8	379
3	Salt-Templated Synthesis of 2D Metallic MoN and Other Nitrides. ACS Nano, 2017, 11, 2180-2186.	14.6	359
4	Rapid mass production of two-dimensional metal oxides and hydroxides via the molten salts method. Nature Communications, 2017, 8, 15630.	12.8	258
5	Al-doped Î±-MnO2 for high mass-loading pseudocapacitor with excellent cycling stability. Nano Energy, 2015, 11, 226-234.	16.0	186
6	Structure Confined Porous Mo₂C for Efficient Hydrogen Evolution. Advanced Functional Materials, 2017, 27, 1703933.	14.9	148
7	Saltâ€Assisted Synthesis of 2D Materials. Advanced Functional Materials, 2020, 30, 1908486.	14.9	115
8	Unveiling the Effects of Alkali Metal Ions Intercalated in Layered MnO₂ for Formaldehyde Catalytic Oxidation. ACS Catalysis, 2020, 10, 10021-10031.	11.2	102
9	Highly conductive and flexible molybdenum oxide nanopaper for high volumetric supercapacitor electrode. Journal of Materials Chemistry A, 2017, 5, 2897-2903.	10.3	101
10	Intercalation of cations into partially reduced molybdenum oxide for high-rate pseudocapacitors. Energy Storage Materials, 2015, 1, 1-8.	18.0	92
11	Natural Materials Assembled, Biodegradable, and Transparent Paper-Based Electret Nanogenerator. ACS Applied Materials & Interfaces, 2016, 8, 35587-35592.	8.0	74
12	Ethanol reduced molybdenum trioxide for Li-ion capacitors. Nano Energy, 2016, 26, 100-107.	16.0	74
13	2D vanadium doped manganese dioxides nanosheets for pseudocapacitive energy storage. Nanoscale, 2015, 7, 16094-16099.	5.6	71
14	Microwave Combustion for Rapidly Synthesizing Poreâ€Sizeâ€Controllable Porous Graphene. Advanced Functional Materials, 2018, 28, 1800382.	14.9	70
15	Synthesis of single crystalline two-dimensional transition-metal phosphides via a salt-templating method. Nanoscale, 2018, 10, 6844-6849.	5.6	61
16	Mass Production of Highâ€Quality Transition Metal Dichalcogenides Nanosheets via a Molten Salt Method. Advanced Functional Materials, 2019, 29, 1900649.	14.9	59
17	Band gap engineering of MnO₂ through in situ Al-doping for applicable pseudocapacitors. RSC Advances, 2016, 6, 13914-13919.	3.6	56
18	4-Butylbenzenesulfonate modified polypyrrole paper for supercapacitor with exceptional cycling stability. Energy Storage Materials, 2018, 12, 191-196.	18.0	51

#	Article	IF	Citations
19	Activated carbon derived from melaleuca barks for outstanding high-rate supercapacitors. Nanotechnology, 2015, 26, 304004.	2.6	48
20	Microwave Combustion for Modification of Transition Metal Oxides. Advanced Functional Materials, 2016, 26, 7263-7270.	14.9	42
21	H_xMoO_{3â^'y} nanobelts with sea water as electrolyte for high-performance pseudocapacitors and desalination devices. Journal of Materials Chemistry A, 2015, 3, 17217-17223.	10.3	33
22	Cross-linked carbon network with hierarchical porous structure for high performance solid-state electrochemical capacitor. Journal of Power Sources, 2016, 327, 488-494.	7.8	23
23	Rapid synthesis of size-tunable transition metal carbide nanodots under ambient conditions. Journal of Materials Chemistry A, 2019, 7, 14489-14495.	10.3	22
24	Stabilization of layered manganese oxide by substitutional cation doping. Journal of Materials Chemistry A, 2019, 7, 7118-7127.	10.3	14
25	Large-scale synthesis of size- and thickness-tunable conducting polymer nanosheets via a salt-templated method. Journal of Materials Chemistry A, 2019, 7, 24929-24936.	10.3	12
26	Energy Harvest from Organics Degradation by Two-Dimensional K⁺-Intercalated Manganese Oxide. ACS Applied Materials & Interfaces, 2017, 9, 41233-41238.	8.0	8
27	Assembly of two-dimensional nanofluidic channel with high proton conductivity using single-layer MnO2 nanosheets. Science China Materials, 2022, 65, 2578-2584.	6.3	3