Tingzhou Yang

List of Publications by Year
in descending order

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20 papers	1,871 citations	430874 18 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	3472 citing authors

#	Article	IF	Citations
1	A Sustainable Route from Biomass Byproduct Okara to High Content Nitrogenâ€Doped Carbon Sheets for Efficient Sodium Ion Batteries. Advanced Materials, 2016, 28, 539-545.	21.0	384
2	A New Type of Multifunctional Polar Binder: Toward Practical Application of High Energy Lithium Sulfur Batteries. Advanced Materials, 2017, 29, 1605160.	21.0	284
3	Halfâ€Cell and Fullâ€Cell Applications of Highly Stable and Binderâ€Free Sodium Ion Batteries Based on Cu₃P Nanowire Anodes. Advanced Functional Materials, 2016, 26, 5019-5027.	14.9	243
4	Porous Si Nanowires from Cheap Metallurgical Silicon Stabilized by a Surface Oxide Layer for Lithium Ion Batteries. Advanced Functional Materials, 2015, 25, 6701-6709.	14.9	173
5	Interconnected three-dimensional V₂O₅/polypyrrole network nanostructures for high performance solid-state supercapacitors. Journal of Materials Chemistry A, 2015, 3, 488-493.	10.3	135
6	Mega High Utilization of Sodium Metal Anodes Enabled by Single Zinc Atom Sites. Nano Letters, 2019, 19, 7827-7835.	9.1	86
7	A New Type of Electrolyte System To Suppress Polysulfide Dissolution for Lithiumâ€“Sulfur Battery. ACS Nano, 2019, 13, 9067-9073.	14.6	69
8	Boosting the Optimization of Lithium Metal Batteries by Molecular Dynamics Simulations: A Perspective. Advanced Energy Materials, 2020, 10, 2002373.	19.5	56
9	All-Liquid-Phase Reaction Mechanism Enabling Cryogenic Liâ€“S Batteries. ACS Nano, 2021, 15, 13847-13856.	14.6	55
10	A new approach towards the synthesis of nitrogen-doped graphene/MnO₂ hybrids for ultralong cycle-life lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 6291-6296.	10.3	52
11	Lithium dendrite inhibition via 3D porous lithium metal anode accompanied by inherent SEI layer. Energy Storage Materials, 2020, 26, 385-390.	18.0	52
12	Nanomeshes of highly crystalline nitrogen-doped carbon encapsulated Fe/Fe₃C electrodes as ultrafast and stable anodes for Li-ion batteries. Journal of Materials Chemistry A, 2015, 3, 15008-15014.	10.3	51
13	Single-cluster Au as an usher for deeply cyclable Li metal anodes. Journal of Materials Chemistry A, 2019, 7, 14496-14503.	10.3	51
14	Artificial Lithium Isopropyl-Sulfide Macromolecules as an Ion-Selective Interface for Long-Life Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2020, 12, 54537-54544.	8.0	49
15	Half and full sodium-ion batteries based on maize with high-loading density and long-cycle life. Nanoscale, 2016, 8, 15497-15504.	5.6	35
16	Highly Flexible Full Lithium Batteries with Self-Knitted Î±-MnO₂ Fabric Foam. ACS Applied Materials & Interfaces, 2015, 7, 25298-25305.	8.0	34
17	On-chip supercapacitors with ultrahigh volumetric performance based on electrochemically co-deposited CuO/polypyrrole nanosheet arrays. Nanotechnology, 2015, 26, 425402.	2.6	30
18	Half-cell and full-cell applications of horizontally aligned reduced oxide graphene/V2O5 sheets as cathodes for high stability lithium-ion batteries. RSC Advances, 2016, 6, 98581-98587.	3.6	19

#	Article	IF	Citations
19	Stabilizing cathodes of lithiumâ€“sulfur batteries by the chemical binding of sulfur and their discharge products to carbon nanofibers. New Journal of Chemistry, 2019, 43, 15267-15274.	2.8	7
20	Form-stable phase change materials based on polyolefin elastomer and octadecylamine-functionalized graphene for thermal energy storage. Nanotechnology, 2020, 31, 245402.	2.6	6