

Anyi Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,982
citations

361388

20
h-index

642715

23
g-index

23
all docs

23
docs citations

23
times ranked

3934
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold-vapor-assisted chemical vapor deposition of aligned monolayer WSe ₂ with large domain size and fast growth rate. Nano Research, 2020, 13, 2625-2631.	10.4	15
2	Synthesis of interconnected graphene framework with two-dimensional protective layers for stable lithium metal anodes. Energy Storage Materials, 2019, 17, 341-348.	18.0	26
3	Quasi-two-dimensional $\hat{\Gamma}$ -Ga ₂ O ₃ field effect transistors with large drain current density and low contact resistance via controlled formation of interfacial oxygen vacancies. Nano Research, 2019, 12, 143-148.	10.4	35
4	Functional interlayer of PVDF-HFP and carbon nanofiber for long-life lithium-sulfur batteries. Nano Research, 2018, 11, 3340-3352.	10.4	60
5	Room-Temperature Pressure Synthesis of Layered Black Phosphorus-Graphene Composite for Sodium-Ion Battery Anodes. ACS Nano, 2018, 12, 8323-8329.	14.6	83
6	Single-step flash-heat synthesis of red phosphorus/graphene flame-retardant composite as flexible anodes for sodium-ion batteries. Nano Research, 2018, 11, 3780-3790.	10.4	30
7	Hierarchical Carbon-Coated Ball-Milled Silicon: Synthesis and Applications in Free-Standing Electrodes and High-Voltage Full Lithium-Ion Batteries. ACS Nano, 2018, 12, 6280-6291.	14.6	99
8	Red Phosphorus Nanodots on Reduced Graphene Oxide as a Flexible and Ultra-Fast Anode for Sodium-Ion Batteries. ACS Nano, 2017, 11, 5530-5537.	14.6	201
9	Synthesis, Characterization, and Device Application of Antimony-Substituted Violet Phosphorus: A Layered Material. ACS Nano, 2017, 11, 4105-4113.	14.6	41
10	Atomic Insights into the Enhanced Surface Stability in High Voltage Cathode Materials by Ultrathin Coating. Advanced Functional Materials, 2017, 27, 1602873.	14.9	37
11	High-Performance Sub-Micrometer Channel WSe ₂ Field-Effect Transistors Prepared Using a Flood-Dike Printing Method. ACS Nano, 2017, 11, 12536-12546.	14.6	7
12	Black Phosphorus Field-Effect Transistors with Work Function Tunable Contacts. ACS Nano, 2017, 11, 7126-7133.	14.6	54
13	Layered P ₂ -Na _{2/3} [Ni _{1/3} Mn _{2/3}]O ₂ as high-voltage cathode for sodium-ion batteries: The capacity decay mechanism and Al ₂ O ₃ surface modification. Nano Energy, 2016, 27, 27-34.	16.0	255
14	High-Performance WSe ₂ Field-Effect Transistors via Controlled Formation of In-Plane Heterojunctions. ACS Nano, 2016, 10, 5153-5160.	14.6	135
15	In Situ and Ex Situ TEM Study of Lithiation Behaviours of Porous Silicon Nanostructures. Scientific Reports, 2016, 6, 31334.	3.3	43
16	A carbon nanofiber network for stable lithium metal anodes with high Coulombic efficiency and long cycle life. Nano Research, 2016, 9, 3428-3436.	10.4	120
17	Silicon(lithiated)-sulfur full cells with porous silicon anode shielded by Nafion against polysulfides to achieve high capacity and energy density. Nano Energy, 2016, 19, 68-77.	16.0	77
18	SnO ₂ coated carbon cloth with surface modification as Na-ion battery anode. Nano Energy, 2015, 16, 399-407.	16.0	123

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19	Reversible Semiconducting-to-Metallic Phase Transition in Chemical Vapor Deposition Grown Monolayer WSe_2 and Applications for Devices. ACS Nano, 2015, 9, 7383-7391.	14.6	164
20	High-power lithium ion batteries based on flexible and light-weight cathode of $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ /carbon nanotube film. Nano Energy, 2015, 12, 43-51.	16.0	63
21	Ultrathin Surface Modification by Atomic Layer Deposition on High Voltage Cathode $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ for Lithium Ion Batteries. Energy Technology, 2014, 2, 159-165.	3.8	40
22	Scalable preparation of porous silicon nanoparticles and their application for lithium-ion battery anodes. Nano Research, 2013, 6, 174-181.	10.4	271