Chenfei Shen

List of Publications by Year
in descending order

25 papers	2,198 citations	279798 23 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	4499 citing authors

#	Article	IF	Citations
1	High-rate lithiumâ€“sulfur batteries promoted by reduced graphene oxide coating. Chemical Communications, 2012, 48, 4106.	4.1	315
2	Layered P2-Na2/3[Ni1/3Mn2/3]O2 as high-voltage cathode for sodium-ion batteries: The capacity decay mechanism and Al2O3 surface modification. Nano Energy, 2016, 27, 27-34.	16.0	255
3	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
4	Reversible Semiconducting-to-Metallic Phase Transition in Chemical Vapor Deposition Grown Monolayer WSe₂ and Applications for Devices. ACS Nano, 2015, 9, 7383-7391.	14.6	164
5	Air-Stable Room-Temperature Mid-Infrared Photodetectors Based on hBN/Black Arsenic Phosphorus/hBN Heterostructures. Nano Letters, 2018, 18, 3172-3179.	9.1	145
6	High-Performance WSe₂ Field-Effect Transistors via Controlled Formation of In-Plane Heterojunctions. ACS Nano, 2016, 10, 5153-5160.	14.6	135
7	SnO2 coated carbon cloth with surface modification as Na-ion battery anode. Nano Energy, 2015, 16, 399-407.	16.0	123
8	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
9	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
10	Silicon(lithiated)â€“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
11	High-power lithium ion batteries based on flexible and light-weight cathode of LiNi 0.5 Mn 1.5 O 4 /carbon nanotube film. Nano Energy, 2015, 12, 43-51.	16.0	63
12	Functional interlayer of PVDF-HFP and carbon nanofiber for long-life lithium-sulfur batteries. Nano Research, 2018, 11, 3340-3352.	10.4	60
13	Hydrothermal synthesis of grapheneâ€“ZnS quantum dot nanocomposites. Materials Letters, 2011, 65, 198-200.	2.6	59
14	Black Phosphorus Field-Effect Transistors with Work Function Tunable Contacts. ACS Nano, 2017, 11, 7126-7133.	14.6	54
15	Carbon Nanotube Macroelectronics for Active Matrix Polymer-Dispersed Liquid Crystal Displays. ACS Nano, 2016, 10, 10068-10074.	14.6	44
16	In Situ and Ex Situ TEM Study of Lithiation Behaviours of Porous Silicon Nanostructures. Scientific Reports, 2016, 6, 31334.	3.3	43
17	Synthesis, Characterization, and Device Application of Antimony-Substituted Violet Phosphorus: A Layered Material. ACS Nano, 2017, 11, 4105-4113.	14.6	41
18	Atomic Insights into the Enhanced Surface Stability in High Voltage Cathode Materials by Ultrathin Coating. Advanced Functional Materials, 2017, 27, 1602873.	14.9	37

#	Article	IF	Citations
19	Quasi-two-dimensional Î²-Ga2O3 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
20	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
21	Synthesis and electrochemical properties of graphene-SnS2 nanocomposites for lithium-ion batteries. Journal of Solid State Electrochemistry, 2012, 16, 1999-2004.	2.5	29
22	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
23	Correlation of Ti3+ states with photocatalytic enhancement in TiO2-passivated p-GaAs. Journal of Catalysis, 2016, 337, 133-137.	6.2	25
24	Capacity retention behavior and morphology evolution of Si_xGe_{1â^'x}nanoparticles as lithium-ion battery anode. Nanotechnology, 2015, 26, 255702.	2.6	13
25	Preparation of Graphene-ZnS Nanocomposites via Hydrothermal Method Using Two Sulfide Sources. Chinese Journal of Chemistry, 2011, 29, 719-723.	4.9	5