

Chenfei Shen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1741889/publications.pdf>

Version: 2024-02-01

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	Synthesis of interconnected graphene framework with two-dimensional protective layers for stable lithium metal anodes. <i>Energy Storage Materials</i> , 2019, 17, 341-348.	18.0	26
2	Quasi-two-dimensional $\text{In}_2\text{Ga}_2\text{O}_3$ field effect transistors with large drain current density and low contact resistance via controlled formation of interfacial oxygen vacancies. <i>Nano Research</i> , 2019, 12, 143-148.	10.4	35
3	Air-Stable Room-Temperature Mid-Infrared Photodetectors Based on hBN/Black Arsenic Phosphorus/hBN Heterostructures. <i>Nano Letters</i> , 2018, 18, 3172-3179.	9.1	145
4	Functional interlayer of PVDF-HFP and carbon nanofiber for long-life lithium-sulfur batteries. <i>Nano Research</i> , 2018, 11, 3340-3352.	10.4	60
5	Single-step flash-heat synthesis of red phosphorus/graphene flame-retardant composite as flexible anodes for sodium-ion batteries. <i>Nano Research</i> , 2018, 11, 3780-3790.	10.4	30
6	Hierarchical Carbon-Coated Ball-Milled Silicon: Synthesis and Applications in Free-Standing Electrodes and High-Voltage Full Lithium-Ion Batteries. <i>ACS Nano</i> , 2018, 12, 6280-6291.	14.6	99
7	Red Phosphorus Nanodots on Reduced Graphene Oxide as a Flexible and Ultra-Fast Anode for Sodium-Ion Batteries. <i>ACS Nano</i> , 2017, 11, 5530-5537.	14.6	201
8	Synthesis, Characterization, and Device Application of Antimony-Substituted Violet Phosphorus: A Layered Material. <i>ACS Nano</i> , 2017, 11, 4105-4113.	14.6	41
9	Atomic Insights into the Enhanced Surface Stability in High Voltage Cathode Materials by Ultrathin Coating. <i>Advanced Functional Materials</i> , 2017, 27, 1602873.	14.9	37
10	Black Phosphorus Field-Effect Transistors with Work Function Tunable Contacts. <i>ACS Nano</i> , 2017, 11, 7126-7133.	14.6	54
11	Layered $\text{P}_2\text{-Na}_{2/3}[\text{Ni}_{1/3}\text{Mn}_{2/3}]\text{O}_2$ as high-voltage cathode for sodium-ion batteries: The capacity decay mechanism and Al_2O_3 surface modification. <i>Nano Energy</i> , 2016, 27, 27-34.	16.0	255
12	High-Performance WSe_2 Field-Effect Transistors via Controlled Formation of In-Plane Heterojunctions. <i>ACS Nano</i> , 2016, 10, 5153-5160.	14.6	135
13	In Situ and Ex Situ TEM Study of Lithiation Behaviours of Porous Silicon Nanostructures. <i>Scientific Reports</i> , 2016, 6, 31334.	3.3	43
14	A carbon nanofiber network for stable lithium metal anodes with high Coulombic efficiency and long cycle life. <i>Nano Research</i> , 2016, 9, 3428-3436.	10.4	120
15	Carbon Nanotube Macroelectronics for Active Matrix Polymer-Dispersed Liquid Crystal Displays. <i>ACS Nano</i> , 2016, 10, 10068-10074.	14.6	44
16	Correlation of Ti^{3+} states with photocatalytic enhancement in TiO_2 -passivated p-GaAs. <i>Journal of Catalysis</i> , 2016, 337, 133-137.	6.2	25
17	Silicon(lithiated) sulfur full cells with porous silicon anode shielded by Nafion against polysulfides to achieve high capacity and energy density. <i>Nano Energy</i> , 2016, 19, 68-77.	16.0	77
18	Capacity retention behavior and morphology evolution of $\text{Si}_x\text{Ge}_{1-x}$ nanoparticles as lithium-ion battery anode. <i>Nanotechnology</i> , 2015, 26, 255702.	2.6	13

#	ARTICLE	IF	CITATIONS
19	SnO ₂ coated carbon cloth with surface modification as Na-ion battery anode. Nano Energy, 2015, 16, 399-407.	16.0	123
20	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
21	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
22	High-rate lithium-sulfur batteries promoted by reduced graphene oxide coating. Chemical Communications, 2012, 48, 4106.	4.1	315
23	Synthesis and electrochemical properties of graphene-SnS ₂ nanocomposites for lithium-ion batteries. Journal of Solid State Electrochemistry, 2012, 16, 1999-2004.	2.5	29
24	Hydrothermal synthesis of graphene-ZnS quantum dot nanocomposites. Materials Letters, 2011, 65, 198-200.	2.6	59
25	Preparation of Graphene-ZnS Nanocomposites via Hydrothermal Method Using Two Sulfide Sources. Chinese Journal of Chemistry, 2011, 29, 719-723.	4.9	5