

Anyi Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3959906/publications.pdf>

Version: 2024-02-01

22
papers

1,982
citations

361413

20
h-index

642732

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 $\text{In}_2\text{Ga}_2\text{O}_3$ field effect transistors with large drain current density and low contact resistance via controlled formation of interfacial oxygen vacancies. 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 $\text{P}_2\text{-Na}_{2/3}[\text{Ni}_{1/3}\text{Mn}_{2/3}]\text{O}_2$ as high-voltage cathode for sodium-ion batteries: The capacity decay mechanism and Al_2O_3 surface modification. 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 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 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 |