

Wanqun Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

945
citations

623734

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h-index

794594

19
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20
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20
docs citations

20
times ranked

1738
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Amorphous S-rich $S_{1-x}Se_x/C$ ($x \approx 0.1$) composites promise better lithium-sulfur batteries in a carbonate-based electrolyte. <i>Energy and Environmental Science</i> , 2015, 8, 3181-3186. | 30.8 | 164 |
| 2 | Preparation of Sb nanoparticles in molten salt and their potassium storage performance and mechanism. <i>Nanoscale</i> , 2018, 10, 13236-13241. | 5.6 | 125 |
| 3 | A Deep Reduction and Partial Oxidation Strategy for Fabrication of Mesoporous Si Anode for Lithium Ion Batteries. <i>ACS Nano</i> , 2016, 10, 2295-2304. | 14.6 | 121 |
| 4 | A New Salt-Baked Approach for Confining Selenium in Metal Complex-Derived Porous Carbon with Superior Lithium Storage Properties. <i>Advanced Functional Materials</i> , 2015, 25, 5229-5238. | 14.9 | 117 |
| 5 | SnS_2 - Compared to SnO_2 -Stabilized S/C Composites toward High-Performance Lithium Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19550-19557. | 8.0 | 102 |
| 6 | One-step thermolysis synthesis of two-dimensional ultrafine Fe_3O_4 particles/carbon nanonetworks for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2016, 8, 4733-4741. | 5.6 | 67 |
| 7 | Stabilizing Sulfur Cathode in Carbonate and Ether Electrolytes: Excluding Long-Chain Lithium Polysulfide Formation and Switching Lithiation/Delithiation Route. <i>Chemistry of Materials</i> , 2019, 31, 2002-2009. | 6.7 | 32 |
| 8 | Hexagonal Perovskite $Ba_{0.9}Sr_{0.1}Co_{0.8}Fe_{0.1}Ir_{0.1}O_{3-\delta}$ as an Efficient Electrocatalyst towards the Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2020, 3, 7149-7158. | 5.1 | 32 |
| 9 | Synthesis of Nanocrystalline Boron Carbide via a Solvothermal Reduction of CCl_4 in the Presence of Amorphous Boron Powder. <i>Journal of the American Ceramic Society</i> , 2005, 88, 225-227. | 3.8 | 31 |
| 10 | Controllable Synthesis of Cu_2O Microcrystals via a Complexant-Assisted Synthetic Route. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1103-1109. | 2.0 | 26 |
| 11 | A Composite Structure of Cu_3Ge/C Anode Promise Better Rate Property for Lithium Battery. <i>Small</i> , 2016, 12, 6024-6032. | 10.0 | 26 |
| 12 | Synthesis, surface group modification of 3D MnV_2O_6 nanostructures and adsorption effect on Rhodamine B. <i>Materials Research Bulletin</i> , 2012, 47, 1725-1733. | 5.2 | 22 |
| 13 | High-Voltage and Super-Stable Aqueous Sodium-Zinc Hybrid Ion Batteries Enabled by Double Solvation Structures in Concentrated Electrolyte. <i>Small Methods</i> , 2021, 5, e2100418. | 8.6 | 22 |
| 14 | The hexagonal perovskite $Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-\delta}$ as an efficient electrocatalyst for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4488-4497. | 6.0 | 16 |
| 15 | A facile synthesis of highly porous $CdSnO_3$ nanoparticles and their enhanced performance in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4970. | 10.3 | 10 |
| 16 | Promoting spherical epitaxial deposition of solid sulfides for high-capacity Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7100-7108. | 10.3 | 10 |
| 17 | Hexagonal perovskite $Sr_6(Co_{0.8}Fe_{0.2})_5O_{15}$ as an efficient electrocatalyst towards the oxygen evolution reaction. <i>Dalton Transactions</i> , 2022, 51, 7100-7108. | 3.3 | 8 |
| 18 | Facile synthesis and electrochemistry of a new cubic rocksalt $Li_xV_yO_{2-x}$ ($x = 0.78, y = 0.75$) electrode material. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5148-5155. | 10.3 | 7 |

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|----|--|------|-----------|
| 19 | <p><sc>Iridiumâ€Doped 10Hâ€Phase</sc> Perovskite <sc>BaCo<sub>0</sub></sc> <sub>.</sub> <sc><sub>8</sub>Fe<sub>0</sub></sc> <sub>.</sub> <sc><sub>15</sub>Ir<sub>0</sub></sc> as an Efficient Oxygen Evolution Reaction Catalyst. Chinese Journal of Chemistry, 2022, 40, 2276-2284.</p> | 4.15 | 7 |
| 20 | <p>Application of rocking-scan method to detect the low-content diamonds in a complex mixture. Diamond and Related Materials, 2018, 85, 1-4.</p> | 3.9 | 0 |