

Xin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

2,202
citations

516215

16
h-index

839053

18
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docs citations

18
times ranked

2761
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Green synthesis of the battery material lithium sulfide <i>via</i> metathetic reactions. <i>Chemical Communications</i> , 2022, 58, 5498-5501. | 2.2 | 13 |
| 2 | Breaking the Stable Triangle of Carbonate via W–O Bonds for Li-CO ₂ Batteries with Low Polarization. <i>ACS Energy Letters</i> , 2021, 6, 3503-3510. | 8.8 | 26 |
| 3 | Lithium sulfide nanocrystals as cathode materials for advanced batteries. <i>Journal of Energy Chemistry</i> , 2021, 63, 138-169. | 7.1 | 10 |
| 4 | 3D-printed electrodes for lithium metal batteries with high areal capacity and high-rate capability. <i>Energy Storage Materials</i> , 2020, 24, 336-342. | 9.5 | 105 |
| 5 | Review on the production of high-purity lithium metal. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22455-22466. | 5.2 | 31 |
| 6 | Towards practical lithium-metal anodes. <i>Chemical Society Reviews</i> , 2020, 49, 3040-3071. | 18.7 | 473 |
| 7 | Recent Progress in Protecting Lithium Anodes for Li-O ₂ Batteries. <i>ChemElectroChem</i> , 2019, 6, 1969-1977. | 1.7 | 39 |
| 8 | Metal–Organic Frameworks (MOFs) and MOF-Derived Materials for Energy Storage and Conversion. <i>Electrochemical Energy Reviews</i> , 2019, 2, 29-104. | 13.1 | 274 |
| 9 | Promoting Nitrogen Electroreduction on Mo ₂ C Nanoparticles Highly Dispersed on N-Doped Carbon Nanosheets toward Rechargeable Li–N ₂ Batteries. <i>Small Methods</i> , 2019, 3, 1800334. | 4.6 | 36 |
| 10 | Binder-free NiFe ₂ O ₄ /C nanofibers as air cathodes for Li-O ₂ batteries. <i>Journal of Power Sources</i> , 2018, 377, 136-141. | 4.0 | 59 |
| 11 | High performance Li–CO ₂ batteries with NiO–CNT cathodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2792-2796. | 5.2 | 146 |
| 12 | An Extremely Simple Method for Protecting Lithium Anodes in Li-O ₂ Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12814-12818. | 7.2 | 88 |
| 13 | Fabricating Ir/C Nanofiber Networks as Free-standing Air Cathodes for Rechargeable Li–CO ₂ Batteries. <i>Small</i> , 2018, 14, e1800641. | 5.2 | 118 |
| 14 | Metal–CO ₂ Batteries on the Road: CO ₂ from Contamination Gas to Energy Source. <i>Advanced Materials</i> , 2017, 29, 1605891. | 11.1 | 226 |
| 15 | Improving Electrochemical Performances of Rechargeable Li–CO ₂ Batteries with an Electrolyte Redox Mediator. <i>ChemElectroChem</i> , 2017, 4, 2145-2149. | 1.7 | 76 |
| 16 | Recent progress in rechargeable alkali metal–air batteries. <i>Green Energy and Environment</i> , 2016, 1, 4-17. | 4.7 | 227 |
| 17 | NiFe ₂ O ₄ –CNT composite: an efficient electrocatalyst for oxygen evolution reactions in Li–O ₂ batteries guided by computations. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9390-9393. | 5.2 | 52 |
| 18 | Rechargeable Li–CO ₂ batteries with carbon nanotubes as air cathodes. <i>Chemical Communications</i> , 2015, 51, 14636-14639. | 2.2 | 203 |