

Dong-Joo Yoo

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,331
citations

471509

17
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1787
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Enabling Silicon Anodes with Novel Isosorbide-Based Electrolytes. ACS Energy Letters, 2022, 7, 897-905. | 17.4 | 20 |
| 2 | Understanding the Role of SEI Layer in Low-Temperature Performance of Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2022, 14, 11910-11918. | 8.0 | 29 |
| 3 | High transference number enabled by sulfated zirconia superacid for lithium metal batteries with carbonate electrolytes. Energy and Environmental Science, 2021, 14, 1420-1428. | 30.8 | 23 |
| 4 | Tetradiketone macrocycle for divalent aluminium ion batteries. Nature Communications, 2021, 12, 2386. | 12.8 | 84 |
| 5 | Cobalt(II)-Centered Fluorinated Phthalocyanine-Sulfur S _N Ar Chemistry for Robust Lithium-Sulfur Batteries with Superior Conversion Kinetics. Advanced Functional Materials, 2021, 31, 2106679. | 14.9 | 28 |
| 6 | Switching between Local and Global Aromaticity in a Conjugated Macrocycle for High-Performance Organic Sodium-Ion Battery Anodes. Angewandte Chemie - International Edition, 2020, 59, 12958-12964. | 13.8 | 52 |
| 7 | Fluorinated Aromatic Diluent for High-Performance Lithium Metal Batteries. Angewandte Chemie, 2020, 132, 14979-14986. | 2.0 | 16 |
| 8 | Fluorinated Aromatic Diluent for High-Performance Lithium Metal Batteries. Angewandte Chemie - International Edition, 2020, 59, 14869-14876. | 13.8 | 130 |
| 9 | Elucidating the Extraordinary Rate and Cycling Performance of Phenanthrenequinone in Aluminum-Complex-Ion Batteries. Journal of Physical Chemistry Letters, 2020, 11, 2384-2392. | 4.6 | 25 |
| 10 | Switching between Local and Global Aromaticity in a Conjugated Macrocycle for High-Performance Organic Sodium-Ion Battery Anodes. Angewandte Chemie, 2020, 132, 13058-13064. | 2.0 | 12 |
| 11 | Marginal Magnesium Doping for High-Performance Lithium Metal Batteries. Advanced Energy Materials, 2019, 9, 1902278. | 19.5 | 47 |
| 12 | Highly Elastic Polyrotaxane Binders for Mechanically Stable Lithium Hosts in Lithium-Metal Batteries. Advanced Materials, 2019, 31, e1901645. | 21.0 | 68 |
| 13 | Critical role of elemental copper for enhancing conversion kinetics of sulphur cathodes in rechargeable magnesium batteries. Applied Surface Science, 2019, 484, 933-940. | 6.1 | 22 |
| 14 | Rechargeable aluminium organic batteries. Nature Energy, 2019, 4, 51-59. | 39.5 | 283 |
| 15 | The Synergistic Effect of Cation and Anion of an Ionic Liquid Additive for Lithium Metal Anodes. Advanced Energy Materials, 2018, 8, 1702744. | 19.5 | 137 |
| 16 | Tuning the Electron Density of Aromatic Solvent for Stable Solid-Electrolyte-Interphase Layer in Carbonate-Based Lithium Metal Batteries. Advanced Energy Materials, 2018, 8, 1802365. | 19.5 | 48 |
| 17 | Stable Performance of Aluminum-Metal Battery by Incorporating Lithium-Ion Chemistry. ChemElectroChem, 2017, 4, 2345-2351. | 3.4 | 20 |
| 18 | Flexible Few-Layered Graphene for the Ultrafast Rechargeable Aluminum-Ion Battery. Journal of Physical Chemistry C, 2016, 120, 13384-13389. | 3.1 | 164 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Poreless Separator and Electrolyte Additive for Lithium-Sulfur Batteries with High Areal Energy Densities. ChemNanoMat, 2015, 1, 240-245. | 2.8 | 45 |
| 20 | A Half Millimeter Thick Coplanar Flexible Battery with Wireless Recharging Capability. Nano Letters, 2015, 15, 2350-2357. | 9.1 | 78 |