

David J Arnot

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Hydroxyl Conducting Hydrogels Enable Low-Maintenance Commercially Sized Rechargeable Zn ²⁺ /MnO ₂ Batteries for Use in Solar Microgrids. <i>Polymers</i> , 2022, 14, 417.	4.5	6
2	Low ²⁺ -Oxidized Siloxene Nanosheets with High Capacity, Capacity Retention, and Rate Capability in Lithium ⁺ -Based Batteries. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	8
3	Thick Electrode Design for Facile Electron and Ion Transport: Architectures, Advanced Characterization, and Modeling. <i>Accounts of Materials Research</i> , 2022, 3, 472-483.	11.7	23
4	Morphology and Dynamics in Hydroxide-Conducting Polysulfones. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2470-2480.	4.4	12
5	Rechargeable alkaline Zn ²⁺ /Cu batteries enabled by carbon coated Cu/Bi particles. <i>Journal of Power Sources</i> , 2022, 529, 231168.	7.8	5
6	The advent of membrane-less zinc-anode aqueous batteries with lithium battery-like voltage. <i>Materials Horizons</i> , 2022, 9, 2160-2171.	12.2	4
7	Bismuth Detection in Alkaline Electrolyte via Anodic Stripping Voltammetry for Battery Separator Evaluation. <i>Electroanalysis</i> , 2021, 33, 797-803.	2.9	6
8	Rechargeable Alkaline Zinc/Copper Oxide Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 7073-7082.	5.1	13
9	High Depth ^{of} -Discharge Zinc Rechargeability Enabled by a Self ⁻ Assembled Polymeric Coating. <i>Advanced Energy Materials</i> , 2021, 11, 2101594.	19.5	51
10	Effect of Temperature and FEC on Silicon Anode Heat Generation Measured by Isothermal Microcalorimetry. <i>Journal of the Electrochemical Society</i> , 2021, 168, 110509.	2.9	7
11	Zincate-Blocking-Functionalized Polysulfone Separators for Secondary Zn ²⁺ /MnO ₂ Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50406-50417.	8.0	21