

QIDI BOX features powerful dual-gear extrusion for smooth feeding of tough composites and vibrant filaments. Supports up to 16 materials with 65°C real-time drying and smart NFC recognition for seamless multi-material 3D printing.

Although $\text{LiFe}_{0.4}\text{Mn}_{0.6}\text{PO}_4$ cathode shows high potential in battery industry, the cyclic performance and rate behavior are still the concerns to overcome. In this paper, Cr^{3+} doping in ...

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Aqueous zinc-ion batteries (AZIBs) are attractive for large-scale energy storage due to their intrinsic safety, low cost, and environmental compatibility. However, the high ...

With the emerging of the problems of environmental pollution and energy crisis, the development of high-efficiency energy storage technology and green renewable energy is imminent.

The QIDI Box is a modular filament drying and management system designed to streamline multi-material 3D printing. Each unit feature a heated chamber that maintain up to 65 °C, keeping ...

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Electrode-electrolyte interphases are critical determinants of the reversibility and longevity of lithium (Li)-metal batteries (LMBs). However, upon cycling, the inherently delicate interphases, formed from electrolyte ...

Qidi Hejia New Energy Vehicle Co., Ltd., abbreviated as Qidi Hejia, is a modern environmental sanitation special vehicle and environmental protection equipment research and development, ...

One of the primary challenges to improving lithium-ion batteries lies in comprehending and controlling the intricate interphases. However, the complexity of interface reactions and the buried nature make it difficult to ...

However, the inherent lower energy density to lithium-ion batteries is the issue that should be further investigated and optimized. Toward the grid-level energy storage applications, designing and discovering ...

