

This research brings together the scientific strengths of multiple top universities, led by XJTU and Hong Kong Polytechnic University, in collaboration with Northwestern Polytechnical ...

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Organic energy storage research has experienced a resurgence in the last decade, however many challenges must be overcome to achieve commercialization. In this thesis, I present the design of ...

A project on next-generation power and energy storage batteries, led by PolyU's professor Zheng Zijian's team, was awarded funding from the Hong Kong SAR government in May, according ...

The curriculum offers focused expertise in areas such as renewable energy technologies, advanced energy storage technologies, sustainable energy materials and devices, and the relationship ...

The truck is equipped with an energy storage device that captures and stores the electric energy generated, providing additional energy for the vehicle's freezer system. It also has an ...

This collaborative effort aims to propel research and development in electric vehicle charging technology, smart microgrids, new energy storage systems and safety and health ...

This project aims to commercialise the team's Energy-Efficient Liquid Cooling System (ELCS) to address the very significant energy consumption by data centres for more sustainable ...

Reshaping Energy Storage with Next Generation Batteries PolyU breakthrough promises to cut the cost and break the performance bottleneck of ubiquitous Lithium-ion batteries, especially in ...

Aqueous zinc-ion batteries (AZIBs) are emerging as a promising energy storage technique supplementary to Li-ion batteries, attracting much research attention owing to their intrinsic safety,...

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