# Guo shaocheng energy storage

Her research focuses on the design and application of electrode materials and electrolytes for energy storage and conversion, including rechargeable batteries, hydrogen storage, and fuel ...

The research presents nanocomposites with high energy storage density and excellent stability, crucial for the practical application of polymer dielectrics in high-temperature environments.

As a promising technique of the waste heat recovery, the mobilized thermal energy storage (M-TES) can reduce the energy consumption and meet the heat demand for distributed users. ...

The main challenge for lithium-oxygen (Li-O2) batteries is their sluggish oxygen evolution reaction (OER) kinetics and high charge overpotentials caused by the poorly conductive ...

Molecular-scale junctions (MSJs) have been considered the ideal testbed for probing physical and chemical processes at the molecular scale. Due to nanometric confinement, charge and ...

Donghao Fan, Wenxiu Zhao, Yuchen Tian, Shaopeng Guo*, Guang Jin, Jun Zhao, Wenfei Wu. Ejection and breakup behaviors of a novel direct contact thermal storage using ejection PCM. ...

Hybrid electric vehicle needs dedicated energy storage system suitable for its special operating conditions. The nickel-metal hydride batteries and lithium-ion batteries dominate this market, ...

Web: https://profbismed.pl