New Energy Materials and Energy Storage Devices

Here are ten notable innovations taking place across different energy storage segments, as highlighted in GlobalData"s Emerging Energy Storage ...

We delve into the various ways nanomaterials are being integrated into different energy storage systems, including a range of battery technologies such as ...

Researchers from New York University Abu Dhabi (NYUAD) have created a new material that could make the next generation of energy storage ...

In recent years, the development of different organic and inorganic nanostructured materials such as nanocarbons, metal oxides (W 18 O 49 and ...

In the race for lighter, safer and more efficient electronics--from electric vehicles to transcontinental energy grids--one component literally holds the power: the polymer capacitor. Seen ...

Recent advancements in nanomaterials, especially carbon-based materials, metal-organic frameworks (MOFs), MXenes, and other 2D materials, have introduced new ...

This Special Issue aims to collect papers of energy harvesting and storage materials, devices, and systems, and provides researchers with an in-depth understanding of recent challenges and the ...

Materials with novel properties will enable energy savings in energy-intensive processes and applications and will create a new design space for renewable ...

This Special Issue will highlight cutting-edge research in the design, synthesis, characterization, and integration of functional materials for next-generation energy systems.

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