

Introduction. In view of the projected global energy demand and increasing levels of greenhouse gases and pollutants (NO_x, SO_x, fine particulates), there is a well-established need for new energy technologies ...

Hydrogen as an energy carrier. Genvia is a public-private partnership that combines SLB's expertise and experience with that of the French Alternative Energies and Atomic Energy ...

?Energy Storage Science and Technology?(ESST) (CN10-1076/TK, ISSN2095-4239) is the bimonthly journal in the area of energy storage, and hosted by Chemical Industry Press and ...

Energy storage research is inherently interdisciplinary, bridging the gap between engineering, materials and chemical science and engineering, economics, policy and regulatory studies, and grid applications in either a ...

Due to the fluctuating renewable energy sources represented by wind power, it is essential that new type power systems are equipped with sufficient energy storage devices to ...

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Europe and China are leading the installation of new pumped storage capacity - fuelled by the motion of water. Batteries are now being built at grid-scale in countries including ...

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Overview. In 2018, global greenhouse gas (GHG) emissions from energy use within food supply chains - including from industrial food processing, packaging, refrigeration and retail - were ...

A self-adaptive energy storage coordination control strategy based on virtual synchronous machine technology was studied and designed to address the oscillation problem ...

In this review, we discuss the most recent developments in the field of green binders for batteries and supercapacitors and explain how they could decrease cost and environmental impact, and yet improve the ...

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