

Grist reporter Matt Simon spotlights a new study co-authored by MIT researchers that finds "large-scale deployment of long-duration energy storage isn't just feasible but essential for ...

Better catalysts for energy storage devices Providing a new understanding of catalysts

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The Future of Energy Storage study is the ninth in the MIT Energy Initiative's Future of series, which aims to shed light on a range of complex and vital issues involving energy and the envi- ...

Thermal storage retrofits of fossil energy power plants can provide near term benefits in providing electricity storage capacity while eliminating CO2 emissions from these generators.

MIT Technology Review "s What's Next series looks across industries, trends, and technologies to give you a first look at the future. You can read the rest of them here. Demand for ...

It can reduce generation capacity and transmission costs by storing energy during periods of excess generation and saving it for when that energy is needed, enabling systems that rely on renewable ...

MITEI's three-year Future of Energy Storage study explored the role that energy storage can play in fighting climate change and in the global adoption of clean energy grids.

Co-locating energy storage systems with existing power plants that are being retired could reduce storage costs by enabling the reuse of existing grid interconnections and, in some cases, ...

These advancements bring sodium-ion batteries closer to competing with lithium-ion systems in terms of energy storage capacity and operational lifespan. However, sodium-ion batteries ...

For 17 years, the MIT Energy Initiative and Italian energy tech firm Eni have worked together to support energy research and translate that work for real-world impact.

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