



Energy efficiency of solar power generation systems for US communication base stations

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Liquid air energy storage could be the lowest-cost solution for ensuring a reliable power supply on a future grid dominated by carbon-free yet intermittent energy sources, according to a new ...

MIT engineers developed a membrane that filters the components of crude oil by their molecular size, an advance that could dramatically reduce the amount of energy needed for crude oil ...

New materials could boost the energy efficiency of microelectronics By stacking multiple active components based on new materials on the back end of a computer chip, this new approach ...

At the MIT Energy Initiative's Annual Research Conference, industry leaders agreed collaboration is key to advancing critical technologies amidst a changing energy landscape.

New research emphasizes the importance of well-validated models and forecasting tools in evaluating choices for investments in clean energy technologies and policies by governments and ...

MIT researchers developed a new fabrication method that could enable them to stack multiple active components, like transistors and memory units, on top of an existing circuit, which ...

A look at how AI can be used to help support the clean energy transition by helping to manage power grid operations, plan infrastructure investments, guide the development of novel ...

In MIT course 15.366 (Climate and Energy Ventures) student teams select a technology and determine the best path for its commercialization in the energy sector.

The MIT-GE Vernova Climate and Energy Alliance, a five-year collaboration between MIT and GE Vernova,



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aims to accelerate the energy transition and scale new innovations.

MIT News explores the environmental and sustainability implications of generative AI technologies and applications.

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