Herein, the underlying principle, thermodynamic limit, and global potential of this technology are comprehensively reviewed.

Herein, a power device to simultaneously harvest energy from the sun and cold space based on a microfabricated thermoelectric generator (TEG) integrated with a solar absorber (SA) and ...

Here, we report a combination of solution- and neat-film-based molecular solar thermal (MOST) systems, where solar energy can be stored as chem-ical energy and released as heat, with ...

Herein, we proposed a conceptual model capable of all-day self-generation power which harvests the energy from the sun and cold space as illustrated in Scheme 1.

With the annual increase in renewable energy installed capacity, accurate wind and solar power forecast models are essential to support the operation of power systems. To achieve precise ...

Present paper used the enactment of the Compulsory Schooling Law as an instrumental variable to solve the causal relationship between education and willingness to pay for photovoltaic ...

Hu Zhang Affiliation State Grid Corporation of China, Beijing, China Publication Topics

In this paper, we demonstrate a compact, chip-based device that allows for direct storage of solar energy as chemical energy that is released in the form of heat on demand and then ...

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