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

Abstract. China is a big consumer of energy resources. With the gradual decrease of non-renewable resources such as oil and coal, it is very important to adopt renewable energy for economic ...

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Development of solar thermal power generation is important for China's energy transition. Therefore, we established a system dynamics model to predict the development trend of solar thermal power ...

This paper highlights the design considerations for the thermoelectric devices and the recent attempts made to increase the performance of these devices. Heat transfer phenomenon ...

In this paper, the feasibility of solar hybrid with coal thermal power generation in China was analyzed from the aspects of environment, policy, investment risk and economics.

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