

Since 2006, Dr. Lei has entered the solar thermal power industry, and is currently mainly engaged in high-efficiency solar concentrating heat collector technology, Parabolic trough receiver and its performance test ...

In a recent issue of Cell Reports Physical Science, Zhu's team 9 --notably, a group at the forefront of PV radiation cooling research 10 and a part of the aforementioned ...

In this paper, the main components of solar thermal power systems including solar collectors, concentrators, TES systems and different types of heat transfer fluids (HTFs) used in solar farms have ...

Yang Li currently works at the School of Mechanical Engineering, Zhejiang University, China. Yang does research in solar-thermal, radiative cooling, metamaterials, adaptive devices. His...

Xin2015 Zhou currently works at the Institute for Thermal Power Engineering, Zhejiang University. Publications Experiment and dynamic simulation of a solar tower collector system for power ...

cost of solar thermal power generation will gradually reduce, and the development of solar thermal power generation will be promoted. It is expected that by 2020, ...

The area 1 comprises thermal and biodiesel units, area 2 has thermal and solar thermal power plant (STPP), and area 3 has thermal with biogas, wind turbine system (WTS) ...

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Parabolic trough solar concentrating collector system has proficient usage in all solar applications such as power generation, steam, heating of water, air heating etc.

1. Introduction. Fifty three percent of the energy consumed worldwide for heating is used in industrial processes. Thirteen percent of the heat is generated by renewable ...

Zhejiang University; Institute for Thermal Power Engineering; ... Multiscale 3D membrane for self-sustained solar-thermal water desalination and purification and thermoelectric waste heat ...

The regulation capacity of concentrating solar power (CSP)plants can rival that of conventional thermal units. CSP plants can participate in peak load and frequency regulations timely and ...

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On August 13th, the National Key Research and Development Program Renewable Energy and Hydrogen Energy Technology Key Special Project "Research on Key ...

solar power is solar-thermal conversion, which can be integrated with thermal storage and mainly includes solar thermal power [7,8], ther-moelectric energy generation [9] and thermionic ...

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