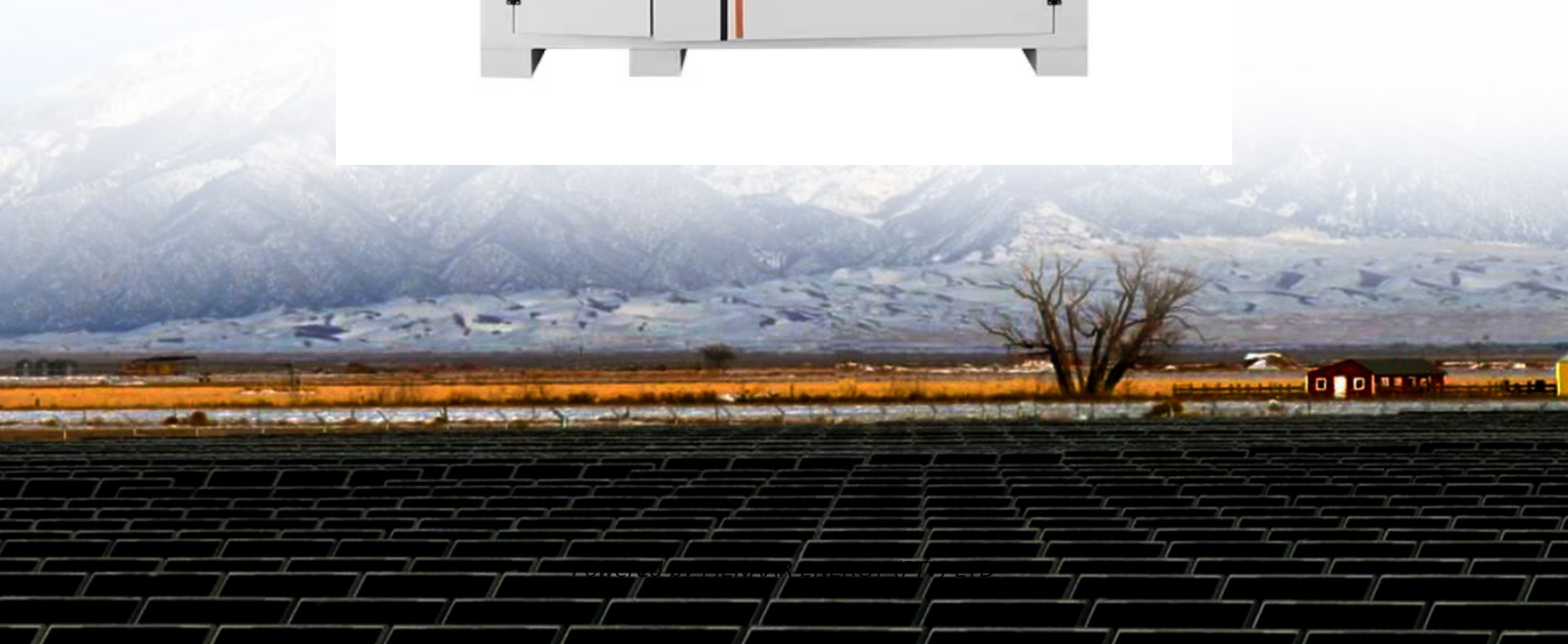


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Jiaotong University Optics Valley Solar Power Generation System



Jiaotong University Optics Valley Solar Power Generation System



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Zilong ZENG , Xi'an Jiaotong University, Xi'an , XJTU

Improving efficiency, controlling cost and reducing the temperature of solar cells are great challenges for linear concentrated photovoltaic/thermal systems (LCPV/T).

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Two papers were published, titled respectively Perovskite Solar Cell Powered Integrated Fuel Conversion and Energy Storage Devices and Recent Progress in Perovskite-Based Reversible

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Optical Science & Engineering Research Center, SJTU

In the past thirty years, the Physics Department of SJTU has cultivated many outstanding optical talents, who are active in international academia and industry, including ShiYao Zhu, Jun Ye,

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Ze-Dong CHENG , Professor (Associate) , PhD , Xi'an Jiaotong University



In the present work, a concentrating and collecting subsystem optical model for the solar tower power plant is fully developed and the corresponding solar radiation transmission process

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Photovoltaic-sorbent system for water and electricity generation

His research focuses on the solar energy utilization, efficient dehumidification, atmospheric water harvesting (AWH), and analysis of carbon neutrality strategy. He has conducted a ...



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New PV Storage and Charging Intelligent Power Station of Xi'an Jiaotong University of China Project Location Xi'an, Shaanxi China 25-year Power Generation ?1480000kW·h 25-year Emission ...

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Yizhou ZHU , Xi'an Jiaotong University, Xi'an , XJTU , State Key

Although concentrated photovoltaics can achieve high efficiency, it places higher demands on the optical system and heat management. Herein, a new design is presented where a liquid spherical

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