

Xi'an Jiaotong University - Cited by 3,642 - Solar photothermocatalysis - Hydrogen energy - Thermochemical energy storage?

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 ...

In this paper, a novel parabolic trough solar receiver-reactor (PTSRR) system of a locally-installed Kenics static mixer (KSM) is proposed for efficient solar thermal hydrogen production.

A solar-aided coal-fired flexible power generation system and an operating method thereof are provided.

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

The present invention can realize solar and coal-fired generation coupling, reduce coal consumption, and greatly improve the flexibility and economy.

This newly established English-language publication focuses on research related to renewable energy systems and equipment and includes contributions from various teams led by ...

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A novel integrated solar-hybrid lignite upgrade and utilization system incorporating solar energy collection, lignite drying, pyrolysis, gasification, and a power generation unit is proposed in ...

At Jiaotong University, significant efforts are directed towards developing technologies that integrate solar and wind energy with innovative storage systems. This integration is critical; ...



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