

## European Solar and Energy Storage Solutions

# Solar power generation at Jiaotong University



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### Zekun LIU , Doctor of Engineering , Shanghai Jiao Tong University

Shanghai Jiao Tong University and the application of solar heating effects for clean energy needs to be explored. achieving an unlimited and uninterrupted all-day power generation ...

### All-in-one polymer sponge composite 3D evaporators for simultaneous

3D sponge evaporators are designed for simultaneous solar-thermal desalination and electricity generation. o A high evaporation rate of 6.8 kg m<sup>-2</sup> h<sup>-1</sup> and an ion-voltaic ...



### Rui Jiang's research works , Xi'an Jiaotong University, Xi'an (XJTU)

Rui Jiang's 8 research works with 36 citations and 370 reads, including: Study on the dynamic characteristics of a concentrated solar power plant with the supercritical CO<sub>2</sub> Brayton cycle

### Tao Ma's lab , Shanghai Jiao Tong University (SJTU)

In this paper, we optimize a range of RES

configurations considering different combinations of solar, wind, battery and pumped hydro storage for a specific location under diverse flexibility



## School of Mechanical Engineering, Shanghai Jiao Tong University

SPR is devoted to developing new technologies on solar energy utilization, more specifically, incubating new products and making them commercialized in corporation with well-known ...

## Yixin ZHAO , Professor (Associate) , PhD , Shanghai Jiao Tong

Yixin ZHAO, Professor (Associate) , Cited by 18,816 , of Shanghai Jiao Tong University, Shanghai (SJTU) , Read 240 publications , Contact Yixin ZHAO solar modules (PSMs) with ...



## Converting solar energy to electricity on demand

Ultra-thin chip converts heat into electricity. The Swedish researchers sent their specially designed molecule, loaded with solar energy, to colleagues Tao Li and Zhiyu Hu at Shanghai Jiao Tong University, where the ...

## School of Mechanical Engineering, Shanghai Jiao Tong University ...

Shanghai Jiao Tong University, School of Mechanical Engineering, Ph.D. 2021-2025 Study on cycle construction and application of large temperature lift heat pump and steam generation ...



## Harvesting Water from Air with Solar Power

Researchers from Shanghai Jiao Tong University in China developed a promising new solar-powered atmospheric water harvesting technology that could help provide enough drinking water for people to survive ...

## Rui Jiang's research works , Xi'an Jiaotong University, Xi'an (XJTU)

To reduce the levelized cost of energy for concentrating solar power (CSP), the outlet temperature of the solar receiver needs to be higher than 700 °C in the next-generation CSP.



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