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Title: Yao multifunctional solar power generation

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Shortage of clean water continues to grow around the world, and the recent solar-powered interfacial system has emerged as a sustainable, efficient and CO<sub>2</sub>-neutral approach to ...

In this study, a self-cleaning and transmission-enhancing multifunctional coating was fabricated through the sol-gel method, which can potentially enhance the power generation efficiency ...

nsiderable sunlight utilization efficiency and rapid vapor generation kinetics have been demonstrated. However, when complicated contaminants are present in surface water, the state-of-the-art ...

It provides a theoretical basis for studying the hydration state and evaporation mechanism of wood/MOF-based evaporators. It also creates a new idea for the multifunctional and ...

In this study, a solar photovoltaic power generation efficiency model based on spectrally responsive bands is proposed to correct the solar radiation received by the PV modules, to make the ...

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This topic is fundamentally different from the traditional solar tracking device such as clock and the maximum power solar tracking device, such as passive solar tracking device. Combined with ...

Inspired by the surface structure of fish-scale, we herein develop a solar-powered graphene/alginate hydrogel (GAH)-based clean water extractor of super resistance to the transport of complex ...



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