

Solar energy is a promising renewable technology to secure energy security and reduce emissions. While there are several solar energy studies, the intensified climate change has altered the climate pattern such as ...

In DPV promotion, different stakeholders have different goals, resources, and strategies, and the interaction between them is dynamic and complex, adjusting according to the behavior of other stakeholders ...

Government policies have a significant impact on how solar energy is adopted. They can encourage or deter investment and growth, as well as work to foster an advantageous corporate climate. ...

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Decarbonisation plans across the globe require zero-carbon energy sources to be widely deployed by 2050 or 2060. Solar energy is the most widely available energy resource on Earth, and its...

The present review study, through a detailed and systematic literature survey, summarizes the world solar energy status along with the published solar energy potential assessment articles for 235 ...

Using Taiwan as one example of newly industrialized economy, we highlight the observed yawning rent gap between farmers and power companies, together with the prevalence of scattered small-sized ...

Improving public health and the environment is but one aspect of solar's many costs and benefits. Clearly, however, the assignment of value to such "external" impacts has potential implications for ...

The article provides a global perspective on solar photovoltaic and concentrated thermal solar power in terms of current and future deployment and impacts

This work presents a novel, cost-effective solution to enhance PV panel efficiency through multifunctional nanocomposite coatings, offering a promising strategy to address critical challenges in solar ...

After exploring the promotional effect for the FIT policy of solar PV power generation, this paper provides policy suggestions and optimization paths from the following three aspects.

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