

While previous studies focus on specific aspects of solar PV technology, this review provides a holistic perspective, addressing multiple dimensions, including technical performance, ...

It explores the advancements in solar energy technologies and their role in achieving sustainable electricity generation. The abstract begins by elucidating the principles of solar energy ...

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We argue that co-prioritizing ecosystem services and energy generation using an ecologically informed, "ecovoltaics" approach to solar array design and operation will have multiple ...

PV power generation is a lower-carbon and greener technology compared with fossil-fueled electricity. However, the potential ecological and climatic environmental effects of large-scale ...

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In the contemporary world, energy stands as an essential driving force behind socioeconomic development. However, with the alarming levels of environmental pollution, there has ...



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