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This Special Issue, entitled "New Insights into Techno-Economic and Environmental Assessment of Photovoltaic/Thermal Systems", will discuss the energy potential and economic viability of ...

the solar energy including solar thermal and photovoltaics are the top supporters. Solar energy utilization is important in order to reach a net zero energy balance (Good et al. 2015). The ...

Electric vehicles (EVs) play a major role in the energy system because they are clean and environmentally friendly and can use excess electricity from renewable sources. In ...

Photovoltaic generation is one of the key technologies in the production of electricity from renewable sources. However, the intermittent nature of solar radiation poses a ...

To investigate feasible solutions for complementary systems to cope with the energy transition in the context of the constantly changing role of the hydropower plant and the rapid evolution of ...

In this study, the technical and economic feasibility of employing pumped hydroelectric energy storage (PHES) systems at potential locations in Jordan is investigated. In each location, a 1 MWp off-grid photovoltaic (PV) ...



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