

Meas. Sci. Technol. 23 (2012) 015101 P Gambier et al Figure 1. Experimental setup used for piezoelectric, solar and thermal energy harvesting. (a) b)(c)Figure 2. (a) Components of the ...

We propose two-dimensional periodic conical micrograting structured (MGS) polymer films as a multifunctional layer (i.e., light harvesting and self-cleaning) at the surface of outer ...

For the generation of electricity in far flung area at reasonable price, sizing of the power supply system plays an important role. Photovoltaic systems and some other renewable ...

2 Status of research on conventional wave energy generation technology 2.1 Types and basic principles of wave energy generation. The Girard father and son in France were the first to be issued a patent for a wave energy ...

The solar insolation is varied from 1000 W/m² to 700 W/m², with the decrease in solar insolation, solar power generation as well as the grid current decreases since the load requirement is the same. The decrease in ...

In this work, a new kind of material, tannic Fe³⁺? (Fe³⁺?) composite coating, with multifunctional performance has been developed for ...

Solar-driven freshwater and thermoelectric co-generation has emerged as a highly promising green technology to address the challenges of freshwater and energy scarcity. However, the ...



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