

Dendrimers are well-defined, highly branched macromolecules that have been widely applied in the fields of catalysis, sensing, and biomedicine. Here, we present a novel multifunctional ...

Three distinct simulation parts have been conducted in this study as described in the framework shown in Fig. 1. Firstly, a 3D thermal model is developed to analyze and ...

Here, we show that solar spectral splitting can enhance photosynthesis and yield while utilizing excess sunlight for energy polygeneration. Specifically, we observed increased ...

Solar thermal panels: The heart of any solar thermal system. Engineered for maximum efficiency, these panels capture solar energy and convert it into heat for various applications. Engineered for maximum efficiency, these panels capture ...

The thermal characteristics of triple junction solar cells are investigated in passive cooling utilizing two straight-finned heat sinks with dimensions 40 × 40 mm (HS-A) and ...

Solar thermal collectors cleverly extract the free energy from the sun and transfer this energy to heat a home's hot water system. The collector features serpentine pipework beneath the top layer of glass, through which a special solution flows ...



Yiyuan Solar Thermal Support

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