

Janus hydrogels, distinguished by their asymmetric structural and functional properties, have emerged as a promising class of materials with diverse applications in solar evaporation, ...

Subdermal solar energy harvesting is a viable alternative to primary batteries. The comparison to a human case study showed a good agreement of the results. The developed code is available open ...

In this study, a nano-biohybrid-based bio-solar cell composed of bacteriorhodopsin, chlorophyllin, and Ni/TiO₂ nanoparticles is developed to overcome the current limitations and verify the possibility of ...

The Solarcontainer represents a grid-independent solution as a mobile solar plant. Especially in remote areas it can guarantee a stable energy supply or support or almost replace a public grid with strong ...

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