
This article reports the influence of substrate type and orientation on the photovoltaic and electrical performance of organic/inorganic hybrid devices. Polyaniline (PANI) was spin-coated at

A comprehensive review of the wafering process for PV solar cell substrates?silicon substrates is presented in this paper, including the evolution of sawing

This contribution describes the different options for plant-derived materials in photovoltaics and discusses their deployment feasibility. We focus on performance, lifetime, and

This article explains in detail the production process from sliced silicon wafer disks to the final ready-to-assemble solar cell.

The purpose of this paper is to discuss the different generations of photovoltaic cells and current research directions focusing on their development and manufacturing

Various properties, such as the optical, barrier, thermal, and mechanical properties of different substrate materials, are reviewed. Transport

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Modules based on c-Si cells account for more than 90% of the photovoltaic capacity installed worldwide, which is why the analysis in this paper focusses on this cell type. ...

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