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A new class of materials called non-fullerene acceptors (NFAs) pushed organic solar cell efficiency closer to 20%, narrowing the gap with silicon.

In this review, in terms of flexible PVs, we focus on the materials (substrate and electrode), cell processing techniques, and module fabrication for flexible solar cells beyond ...

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Integrating non-silicon solar panels with existing systems is not only feasible but can also enhance overall energy efficiency. Careful planning and selection of compatible ...

These new materials could reduce the amount of land needed for solar arrays by increasing efficiency and offering the flexibility to add more solar capacity to existing ...

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