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Editorial Review: Nanoenergy; nanosolar cell

Abstract

Capturing solar light at UV-Visible by organic photovoltaic (polymer based solar cell) at efficiencies of 10-30% is an ideal that is crucial to alternative energy. This type of solar cell would be cheaper, lightweight, flexible, durable, etc as compared to commonly used silicon based solar cells that are expensive, fragile, heavy, etc. The subject of this editorial review is to discuss architectures that can create such efficiencies thereby reducing the cost of energy to about 2 cent per watts instead of \$4-\$5 per watt by silicon solar cell compared to \$1 from fossil.

Keywords. Nanoenergy, nanosolar cell, efficiency solar cell, organic photovoltaic

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