

عنوان مقاله:

Effect of π -elongation of porphyrins as sensitizers in DSSCs on photovoltaic properties

محل انتشار:

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خلاصه مقاله:

In this article the effect of π -conjugated systems on photovoltaic properties of dye sensitized solar cells have been investigated. The highly conjugated unites in porphyrins efficiently mediates electronic interaction between them to extend the π - conjugation in these systems and to cause both broadening and red shifts of both the solet and Q absorption bonds. This condition is a useful feature for efficient dye sensitized solar cell applications

کلمات کلیدی:

Dye sensitized, Solar cell, Porphyrin, π -Conjugation

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