

عنوان مقاله:

The importance of renewable energy sources

محل انتشار:

بیست و دومین کنفرانس بین المللی فناوری اطلاعات، کامپیوتر و مخابرات (سال: 1402)

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خلاصه مقاله:

Today's political considerations to move the world's energy consumption away from fossil fuels such as oil, coal and gas has increased the focus on renewable energy . Renewable energy is perceived as a sustainable solution to ensure future energy supply as well as being carbon dioxide emissions free or neutral. Solar energy is by far the renewable energy source with the greatest potential . It has the ability to cover the world's energy demand several thousand times over and, unlike fossil fuels, solar energy is readily available world-wide. solar cells are commonly used in remote regions with no access to the power grid or in private homes as a green alternative to fossil fuels. As a result a mere ۰.۰۴ % of the world's energy supply came from solar photovoltaics in ۲۰۰۶ [۱۰]. Solar cells are generally divided into two categories: ۱- conventional, ۲- dye-sensitized and polymer. In this article, an attempt .is made to introduce solar cells as a clean and renewable energy in order to take a positive step towards more use of this new energy

کلمات کلیدی:

electron, organic-inorganic solar cells, photon

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