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Sommario/riassunto

The role of materials engineering is to provide the much needed support in the development of photovoltaic devices with the new and fundamental researches on novel energy materials with tailor-made photonic properties. Advanced Energy Materials has been designed to provide the state-of-the-art so that scientists can fully be informed of this vast multi-disciplinary approach. A good understanding on the excited state reactivity of photoactive materials helps to prepare new materials and molecules capable of absorbing light over a given wavelength range and using it for driving electron