

Next generation of photovoltaics : new concepts

López, Ana Belen Cristobal, author

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Abstrak

This book presents new concepts for a next generation of PV. Among these concepts are : multijunction solar cells, multiple excitation solar cells (or how to take benefit of high energy photons for the creation of more than one electron hole-pair), intermediate band solar cells (or how to take advantage of below band-gap energy photons) and related technologies (for quantum dots, nitrides, thin films), advanced light management approaches (plasmonics).