

Photovoltaic solar cell technologies analysing the state of the art

Nearly all types of solar photovoltaic cells and technologies have developed dramatically, especially in the past 5 years. Here, we critically compare the different types of photovoltaic technologies, analyse the performance of the different cells and appraise possibilities for future technological progress.

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The book focuses on organic-inorganic perovskite solar cells (PSCs); organometallic halides-based perovskite solar cells (OMHP-SCs); power conversion efficiency (PCE); ferroelectric-based...

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By comparing PV cell parameters across technologies, we appraise how far each technology may progress in the near future. Although accurate or revolutionary developments cannot be predicted, cross-fertilization between technologies often occurs, making achievements in one cell type an indicator of evolutionary developments in others.



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