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“Device Engineering Concepts for Printed Photovoltaics”

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The advantages of printed photovoltaics, such as their light weight, mechanical flexibility in addition to the small energy demand, and low-cost equipment requirements for roll-to-roll printing mass production, characterize them as interested candidate sources for future electrical power. The Presentation aims in covering a range of engineering issues needed to bring organic and hybrid perovskite solar cells to commercial viability in terms of efficiency¹, lifetime^{2,3} and cost⁴. A systematic understanding of the relationship between electrode materials, processing and device performance relevant to printed photovoltaics product development targets will be presented.

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