

ADVARCED ATERIALS

PEROVSKITE SOLAR CELLS

In article number 2008091, Mingzhu Li, Wei E. I. Sha, Yanlin Song, and co-workers design and fabricate colorful efficient perovskite solar cells (PSCs) incorporating moiré interference structures by imprinting with a commercial DVD disc. The light-harvesting is boosted by elongation of the optical path and "folding" sunlight into the perovskite layer through changing the rotation angle. The moiré-PSC with an optimized 30° rotation angle achieves an efficiency over 21.76%.

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