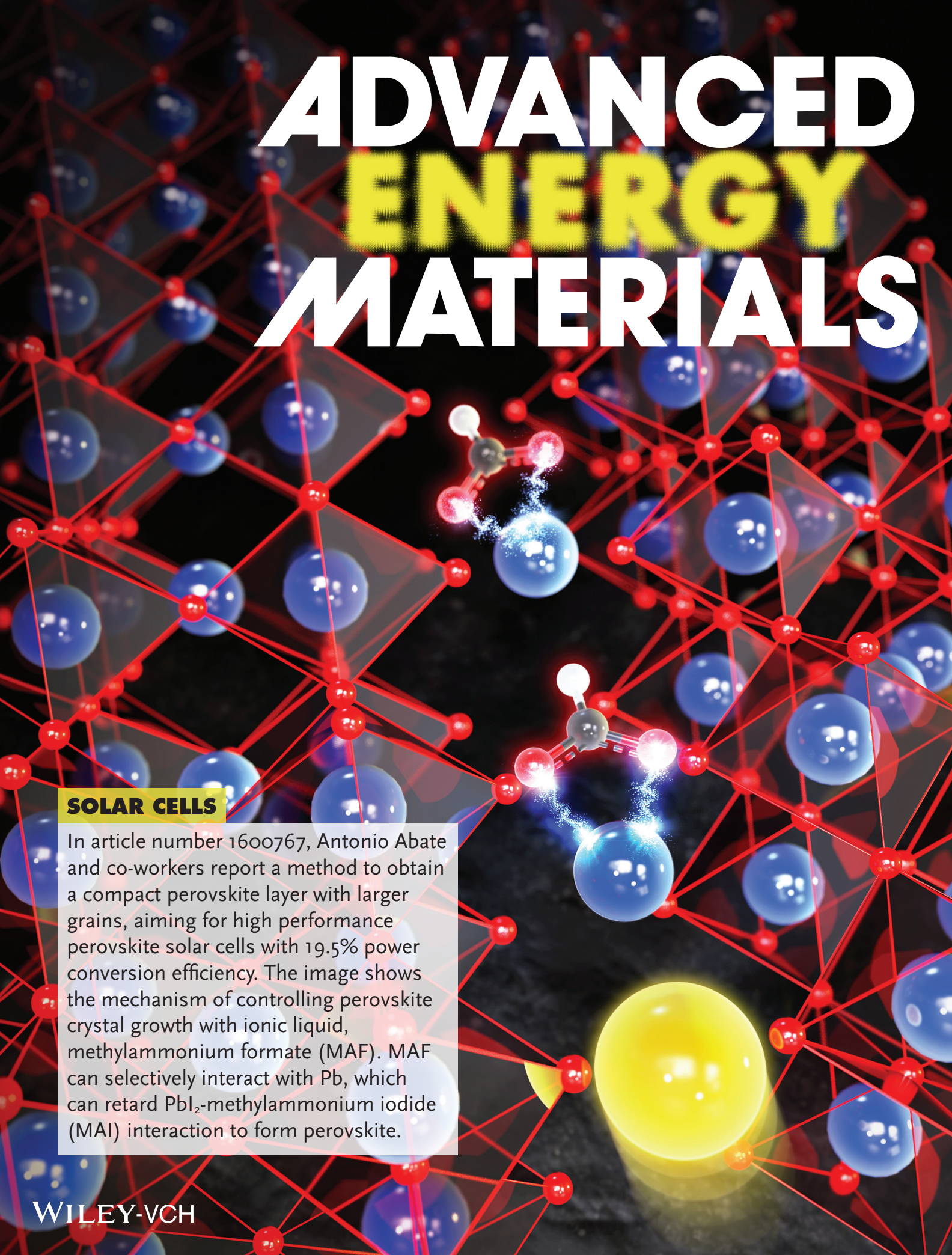
ADVANCED ENERGY MATERIALS



SOLAR CELLS

In article number 1600767, Antonio Abate and co-workers report a method to obtain a compact perovskite layer with larger grains, aiming for high performance perovskite solar cells with 19.5% power conversion efficiency. The image shows the mechanism of controlling perovskite crystal growth with ionic liquid, methylammonium formate (MAF). MAF can selectively interact with Pb, which can retard PbI_2-methylammonium iodide (MAI) interaction to form perovskite.

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