



ADVANCED ENERGY MATERIALS

PEROVSKITE SOLAR CELLS

In article number 1601882, Keyou Yan, Jianbin Xu, and co-workers report a simple intermediate halide exchange reaction between nonstoichiometric FAI and unstable intermediate HPbI_2Br to produce high-quality $\text{FAPbI}_{3-x}\text{Br}_x$ thin films with crystal domain up to $2\text{--}3\text{ }\mu\text{m}$, eliminating the use of antisolvent dripping process. And it demonstrates outstanding opto-electronic performances as well as enhanced stability under moisture and heat stress.