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Title: Potassium iodide outdoor solar power hub

Generated on: 2026-06-01 21:47:08

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Here, we systematically investigate the regulatory mechanisms of the performance of perovskites by exploiting potassium iodide (KI) doping. We find that the surface states are passivated ...

This study synthesizes novel, lead-free perovskites with a small bandgap, excellent stability, and highly improved photovoltaic performance by integrating different amounts of potassium iodide (KI) into a ...

In this study, Potassium iodide (KI) was added to the CsBr precursor solution to participate in the formation of the CsPbBr₃ perovskite thin film.

An international team of researchers led by the University of Cambridge found that the addition of potassium iodide "healed" the defects and ...

In the study, the researchers altered the chemical composition of the perovskite layers by adding potassium iodide to perovskite inks, which then self-assemble into thin films. The technique is ...

Previous work on the use of potassium iodide (KI) in active layers to passivate defects in triple-cation mixed-halide perovskites has been shown to enhance their luminescence efficiency and reduce ...

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