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Research on Perovskite Solar Cells: From Design to Applications

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Message from the Guest Editor

Perovskite solar cells have emerged as a promising alternative to traditional silicon solar cells due to their high efficiency, low-cost manufacturing, and flexibility. Research on Perovskite solar cells is important as it can potentially revolutionize the renewable energy industry and contribute to a more sustainable future. Currently, researchers are focusing on improving the stability, scalability, and efficiency of Perovskite solar cells. Despite significant progress, challenges such as material degradation, toxicity, and scalability issues still exist. More research is needed to address these challenges and further optimize the performance of Perovskite solar cells for commercial applications. Overall, *research on Perovskite solar cells* is crucial for advancing renewable energy technologies and accelerating the transition towards a clean energy economy.



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