

Special Issue

Research on Perovskite Solar Cells: From Design to Applications

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.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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