



## Recent Developments in Perovskite-Based Functional Materials

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### Message from the Guest Editors

Dear Colleagues,

Over the past few years, the breakthroughs achieved by metal halide perovskites in the photovoltaic field have been regarded as the renaissance of perovskite-based materials. Inspired by the great success in solar cells, various applications have been extensively investigated on perovskite-based functional materials, such as light-emitting diodes, photodetectors, photocatalysis, and electrocatalysis. While the advances in currently emerging functional materials and applications related to perovskite have reached an exciting stage, understanding the structure–properties–applications interplay of perovskite-based hybrids is crucial to moving forward to the next stage. This Special Issue will assemble high-quality original research, reviews, and perspectives focused on the advances of perovskite-based materials, including, but not limited to, novel preparation methods, the unique working mechanisms and applications, and the new technology and characterization tools.





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## Message from the Editor-in-Chief

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