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Advances of Low-Dimensional Metal Halide Perovskite Materials

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Message from the Guest Editors

Low-dimensional metal halide perovskites (MHPs) have emerged as outstanding materials due to their excellent optoelectronic properties and structural diversity, which exhibits great potential in the field of solid-state luminescence, photoconductor, catalysis, and solar cells. Although more and more MHPs with different structures and components have been found, the exploration is mainly based on trial-and-error strategies without guidelines or prediction. In the meantime, their applications in sensing, bioimaging, and catalysis lag far behind.

This Special Issue focuses on the most recent advances of low-dimensional metal halide perovskites, including experimental and theoretical studies and provides an exclusive opportunity to help to understand this kind of materials. Manuscripts including research articles, short communications, and reviews that are related but not limited to the following topics are encouraged to be submitted to this Special Issue.









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Message from the Editor-in-Chief

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