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## **Perovskite Composites**

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## **Message from the Guest Editors**

In recent years, the broad field of composites has attracted the interest of other rapidly progressing scientific fields, such as that of perovskites, which can be represented by the well-known oxide perovskites or the novel set of hybrid organic-inorganic metal halide threedimensional semiconductors. The latter have unique excitonic properties due to intense quantum mechanical and dielectric confinement effects; however, these perovskites lack stability because they are "soft" materials. Their application in optoelectronic devices can lead to efficient and simple photovoltaic panels and light-emitting diodes, at extremely low cost. Moreover, they can be used as tunable light and radiation detectors and, in general, offer a unique coupling of stable excitons to light, not to mention their usage as electrochemical detectors and photochargeable batteries.



