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Perovskite Crystals and Thin Films

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Message from the Guest Editor

Over the recent years, perovskite materials have evoked a wide response of the research community mainly due to their superior performance in thin film photovoltaic applications. However, perovskites have found their application in many other fields of electronics and photonics (solid states lasers, light-emitting diodes, photodetectors, etc.). The main advantage of perovskites over their inorganic counterparts is low-temperature and low-cost-solution-based deposition on a large variety of the substrates by coating or printing techniques.

In this Special Issue, we would like to cover all important aspects concerning perovskite crystals and thin films, including novel materials, excellent electronic properties, density of states and defects, band gap research studies, space charge transport, thermal properties, stability measurements, or innovations in device architectures.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.



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Special issue



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