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Advances in Thermoelectric Thin Films

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Message from the Guest Editors

Thermoelectric materials can realize the direct conversion of heat energy and electrical energy, which gives it the potential for broader application in the field of thermoelectric power generation and cooling. Lowdimensional thermoelectric materials, especially twodimensional thin films, have been considered as a breakthrough in the effort to decouple the correlations between electronic and thermal transport, contributing to the optimization of thermoelectric performance. Recent years have witnessed the rapid progress of research on thermoelectric thin films in topics such as novel preparation methods, structure design, two-dimensional electron gas, flexible and wearable thermoelectric devices and more. This Special Issue focuses on the most recent advances of thermoelectric thin films in topics including but not limited to inorganic, organic, and hybrid inorganicorganic thin films; flexible devices; and theoretical explanation. This Special Issue could be a good platform for you to share your recent progress in thermoelectric thin films. We encourage the submission of manuscripts in the form of research articles, short communications, and reviews.









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Message from the Editor-in-Chief

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