



Low-Dimensional Nanomaterials-Based Thermoelectrics and Their Applications

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Message from the Guest Editors

Flexible/wearable thermoelectrics for energy harvesting is now one of the most exciting topics. In order to cultivate a new field of applications, various materials with high TE performance based on low-dimensional structures that are inherently flexible should be developed, such as 2D layered compounds, transition metal dichalcogenide (TMDC), graphene, vdW heterostructures, carbon nanotubes (CNT), nanosheets (NS), nanowires (NW), their nanohybrid or nanocomposite with/without organic compounds, etc. Nanohybrid or nanocomposite strategies, i.e. combining different low-dimensional materials, is also efficient for exploring high-performance TE materials suitable for mid-temperature (500 K–700 K) applications.

Accordingly, it is timely to present a Special Issue that will collect articles of outstanding research results concerning ‘Low-Dimensional Nanomaterial-Based Thermoelectrics and Their Applications’ to contribute to the future prosperity of humankind. Leading researchers are cordially invited to submit papers, letters, or reviews to the Special Issue.





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Message from the Editor-in-Chief

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