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Novel Thermoelectric Materials and Devices and Related Micro- and Nanotechnology

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Message from the Guest Editors

Dear Colleagues,

To overcome the coming energy crisis, exploring sustainable and eco-friendly energy resources have shown considerable significance. Thermoelectric is considered to be a sustainable solution to meet global energy challenges by harvesting electricity from waste heat, and has therefore become of interest in recent years. The aim of this Special Issue is to publish significant developments in the area of thermoelectrics based on advanced thermoelectric techniques, including state-of-art synthesis approaches, computational achievements, and advanced characterization techniques of the principles of both structures and materials. Furthermore, this Special Issue also focuses on advanced micro- and nanotechnology for fabricating thermoelectric devices with novel designs for various applications with a high performance and stability, such as miniature device assembling and flexible/wearable thermoelectric generators. It will act as a critical platform for thermoelectrics, and in particular establish an intrinsic link between these newly developed strategies and the outstanding performance achieved.

Dr. Xiao-Lei Shi
Dr. Weidi Liu
Guest Editors

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Message from the Editor-in-Chief

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