



Ionic Thermoelectric Materials and Devices

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Message from the Guest Editors

Dear Colleagues,

Ions as energy carriers can convert the thermal energy into electricity by harvesting the low-grade heat dissipated in the environment, which could be considered as a new and promising technology in the field of energy conversion. In contrast to the conventional semi-conductive thermoelectric materials, the higher thermo-induced voltage for the ionic thermoelectric materials is attractive in realizing the high operation voltage of sensors and/or electric devices in the small temperature differences near room temperature. A series of studies on liquid-based ionic thermoelectric conversion as well as quasi-solid state ionic thermoelectric gels should be included in this area. In this Special Issue, we will cover all relevant aspects of using ions as carries for energy conversion, facing a broad range of readers. Submissions of original research articles and critical reviews are encouraged.





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Message from the Editor-in-Chief

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