Special Issue

Novel Materials and Hybrid Nanostructures for Thermoelectric Energy Harvesting

Message from the Guest Editors

Thermoelectrics is a promising technology for harvesting electrical energy both from waste heat and solar thermal energy. The thermoelectric performance of a material can be enhanced by controlling the phonon transport without degrading the electron transport. A reliable approach for realizing high thermoelectric performance is through the design of novel materials and the development of hybrid nanostructures. The primary objective of this Special Issue is to publish the recent developments in novel semiconductor nanostructures, 2D materials, hybrid nanostructures and flexible thermoelectric materials. Submissions of both research articles and review articles are welcome.

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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