Special Issue

Novel Thermoelectric Materials and Their Applications

Message from the Guest Editor

Thermoelectricity is considered a valuable technology of renewable energy sources due to its capacity for directly converting wasted thermal energy into useful electric energy. Novel thermoelectric materials with cost-effective, non-toxic , high-performance properties need to be developed further, despite a possible slowing in the expansion of the thermodynamic field as a whole, in order to ensure the advancement of a flexible, reliable, high performance themoelectric module. Hence, this Special Issue will address recent innovative work in the field of thermoelectric materials, as well as their integration into thermoelectric modules, targeted for various temperature ranges of wasted thermal energy. Potential topics include, but are not limited to:

- Bulk inorganic thermoelectric materials
- Organic or organic/inorganic hybrid thermoelectric materials
- Advances in synthesis and processing of thermoelectric materials
- Thermoelectric modules with rigid/flexible substrates

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, short communications, and reviews are all welcome.

Guest Editor

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Deadline for manuscript submissions

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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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