



materials



an Open Access Journal by MDPI

Flexible Thermoelectric Materials and Devices

Guest Editor:

Dr. Jungwon Kim

Carbon Composite Materials
Research Center Korea Institute
of Science and Technology (KIST)
92, Chudong-ro, Bongdong-eup,
Wanju-gun, Jeollabuk-do 55324,
Korea

Deadline for manuscript
submissions:
closed (20 May 2022)

Message from the Guest Editor

Dear Colleagues,

Flexible thermoelectric materials and devices consist of inorganic or organic materials. Enhancing the flexibility of materials and devices with inorganic materials is an approach that can be used to obtain flexible thermoelectric devices. The low performance of organic materials and carbon-based materials such as carbon nanotubes and graphene, in comparison to that of inorganic materials, is a remaining issue. This Special Issue on “Flexible Thermoelectric Materials and Devices” is dedicated to novel approaches to thermoelectric materials and devices with flexibility and stretchability. We are soliciting original experimental and theoretical approaches associated with flexible inorganic or organic materials. This Special Issue covers a broad range of fundamental concepts, as well as experimental and theoretical studies related to flexibility and thermoelectricity and applications with new ideas for devices structures and new approaches for high-performance devices.

We kindly invite you to submit your research contributions to this Special Issue.



mdpi.com/si/92018

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)