

## Special Issue

# Advances in Flexible Wearable Energy Devices and Systems

### Message from the Guest Editors

Efficient energy harvesting and storage devices are considered to be critical for the sustainable development of modern society. However, the current energy harvesting and storage systems that are generally bulky and rigid cannot afford the requirements for next-generation electronic devices including portability, flexibility and wearability. To this end, energy harvesting and storage devices that are flexible and wearable have attracted extensive attention attributed to their unique and promising features.

In this Special Issue, the latest achievements of flexible and wearable energy devices, including solar cells, triboelectric and piezoelectric generators, supercapacitors, rechargeable batteries will be mainly presented. The integrated systems comprised of flexible and wearable energy harvesting/storage devices and electrical appliances will be included. In addition, multi-functional flexible and wearable energy devices will be introduced towards real-world applications.

- energy device
- flexible
- wearable
- stretchable
- integrated system
- multi-functional
- fiber
- fabric

### Guest Editors

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### Deadline for manuscript submissions

closed (10 January 2023)



## Materials

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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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