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Advances in Flexible Wearable Energy Devices and Systems

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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

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Message from the Editor-in-Chief

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