

Special Issue

Advances in High-Performance Triboelectric Devices

Message from the Guest Editor

Dear Colleagues, Since the introduction of triboelectric nanogenerators in 2012, people have opened up a new path in the field of energy harvesting. The energy harvesting object of triboelectric devices is low-frequency, high entropy, and distributed energy, which is also difficult to achieve in traditional electromagnetic power generation. Due to the abundant consumption of mechanical energy, triboelectric devices have many advantages, including the wide availability and selectivity of materials, relatively simple device configurations, and low-cost processing. In the field of mechanical energy harvesting, triboelectric devices usually have the characteristics of small size, high efficiency, and strong flexibility, which can provide sustainable energy for microelectronic devices and further achieve large-scale applications through array technology. Therefore, this Special Issue aims to present research papers, brief newsletters, and commentary articles, with a focus on the development of new methods for frictional electrical components and their applications in microelectronic devices.

Guest Editor

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Message from the Editor-in-Chief

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Editor-in-Chief

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