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Recent Advances in Nanogenerators

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Message from the Guest Editors

Converting nano-energies in our surroundings is essential to meet the challenges that we are facing in the Internet-of-things era. As a result, various types of nanogenerators have been developed to scavenge energies that are produced in the surrounding environment. Nanogenerators are based on using the Wang term $\partial P_s/\partial t$ as the driving force for converting mechanical energy into electricity regardless of whether nanomaterials are utilized or not. They can enhance the energy conversion efficiency and exhibit some special advantages over individual nanogenerators.

This Special Issue of *Nanoenergy Advances* will report research and review articles to promote the development of nanogenerators. Areas of interest include, but are not limited to, the following topics:

- Triboelectric nanogenerators
- Piezoelectric nanogenerators
- Hybridized nanogenerators
- Coupled nanogenerators
- Pyroelectric nanogenerators
- Thermoelectric nanogenerators