

## Special Issue

# Advanced Materials and Methods for Triboelectric Nanogenerators and Sensors

### Message from the Guest Editors

Triboelectric nanogenerators (TENGs) are a novel clean and sustainable power generator that is capable of harvesting mechanical energy from micro-motions. Due to the diversity of designs and the flexibility of TENG devices, they are also able to be used as sensors to detect micro-motions without the need for additional power supply, which makes TENGs a promising candidate for green energy and wearable devices. Developing advanced materials and methods to boost the output performance and extend the application fields of TENGs are eternal subjects. Accordingly, this Special Issue seeks to showcase research papers, short communications, and review articles that focus on innovation in triboelectric materials, including material synthesis, modification, and engineering, and the ingenious design of TENGs for enhancing TENG performance, exploring new applications, improving sensing properties, etc.

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### Guest Editors

Prof. Dr. Hao-Yang Mi  
Prof. Dr. Xin Jing  
Dr. Bao Yang

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### Deadline for manuscript submissions

closed (30 September 2022)



## Micromachines

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