

Special Issue

Triboelectric Nanogenerators: From Fundamental Research to Applications

Message from the Guest Editors

It is definitely important to explore more in-depth physical understandings regarding the fundamental studies of TENGs, from the origin of contact electrification to the working principles based on Maxwell's displacement current. Furthermore, TENG can be utilized for not only mechanical energy harvesting, but also self-powered sensing systems and high-voltage applications. Hence, it is also necessary to develop the practical applications of TENGs in real conditions. Accordingly, this Special Issue titled "Triboelectric Nanogenerators: From Fundamental Research to Applications" seeks to showcase research papers, short communications, and review articles that focus on (1) the fundamental science and research related to TENG, from the origin of contact electrification to the working principles based on Maxwell's displacement current; and (2) innovative practical applications of TENGs in mechanical energy harvesting, blue energy harvesting, self-powered sensing systems, high-voltage applications, and so on.

Guest Editors

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