

Special Issue

Advanced Flexible and Stretchable Electronics Using Conductive Fiber Electrode for Smart Textiles and Wearables

Message from the Guest Editor

Smart wearable textiles are fabrics in which flexible and stretchable electronics are interconnected and woven together, presenting standout physical flexibility with a high electrical conductivity that cannot be accomplished with other existing manufactured electronics. Based on the features of electronic textiles using conductive fiber electrodes that are lightweight, woven, highly flexible, and stretchable, research on wearable electronics that can be directly grafted into everyday fabrics or clothing has grown explosively, which has great potential for various practical wearable applications. They have been attracting particular attention in various application fields such as energy storage devices and e-skin because they can be manufactured and operated freely in various shapes and structures by using diverse stretchable and flexible conductive materials. This Special Issue highlights and discusses state-of-the-art research in the materials and applications of flexible and stretchable conductive fiber for the development of smart wearable devices.

Guest Editor

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Deadline for manuscript submissions

closed (10 October 2021)



Sensors

an Open Access Journal
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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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