



Advances in Smart Textile

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Message from the Guest Editor

Smart textiles are considered as the next frontline for electronics and recent developments in advance technologies have led to the appearance of wearable electronics by fabricating, miniaturizing and embedding flexible smart materials into textiles. The combination of textiles and smart materials have led to the development of new capabilities in fabrics with the potential to change how people interact with their clothes and other textile products.

This Special Issue is motivated by the observed growing interests on the design, fabrication and application of smart textiles in many fields. Textiles traditionally perform social and protective functions, but the addition of wearable electronics provides the means to produce a new generation of smart textiles. These years, smart textiles are explored and show many functions, such as, energy harvesting/storage, force/pressure measurement, sensors, etc. However, performance, scalability, and cost problems have restricted the deployment of currently-available smart textiles. The approach of new energy materials and novel fabrication methods are essential to develop smart textiles.





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Message from the Editor-in-Chief

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