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Flexible Pressure Sensors: From Design to Applications

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Message from the Guest Editor

Since Smith invented the flexible pressure sensor in 1954, new designs, manufacturing methods and applications of flexible sensors have been emerging constantly in consumer electronics, healthcare fields, automotive industries, etc. Sensitivity and flexibility are the most important factors when evaluating the performance of sensors; therefore, flexible pressure sensors are becoming increasingly important in environmental monitoring, wearable devices, intelligent devices, medical and other fields because of the limitations of pressure sensors made from stiff materials. Enhancing sensor performance, expanding sensor arrays, and developing self-drive and human implantation technology are key directions in flexible pressure sensors to further adapt them to new challenges.

- flexible pressure sensors
- transduction mechanism
- wearable device
- E-skin
- sensor array
- carbon nanotechnology

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Special Issue



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Message from the Editor-in-Chief

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