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Piezoelectric Sensors Application

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Message from the Guest Editor

Piezoelectric sensors are devices that use the piezoelectric effect to measure the electric potential caused by the application of a mechanical force to a piezoelectric material. The combination of piezoelectric materials with nanotechnology, such as nanowires, nanosheets or nanoplates, allows piezoelectric sensors and electronic microchips mutually compatible, flexible and wearable, and can simultaneously realize various digital, electronic and energy storage functions. Due to their highly efficient electromechanical conversion, easy implementation, and self-powering nature, these devices allow a large number of innovative medical applications in areas such as active sensing, electrical stimulation therapy and passive bio-mechanical energy harvesting of the human body. In the past decade, the piezoelectric sensors have experienced rapid progress and attracted widespread interest. The present Special Issue on “Piezoelectric sensors” may become a status reports summarizing the progress achieved in the last five years.



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Special Issue



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Message from the Editor-in-Chief

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