

Special Issue

Advanced Materials for Flexible Sensing Applications and Electronics

Message from the Guest Editors

Flexible sensing electronics play a crucial role as the primary mediums through which high-end equipment perceives external information. Today, flexible sensing devices based on various functional sensing materials or innovative structural designs provide broad potential applications in human-machine interaction, smart healthcare, and advanced mechanical systems. However, current sensing materials and structures still require further improvements to meet the increasing demands of real-world applications, including enhanced sensitivity, durability, and multifunctionality. This Special Issue aims to present the latest research advancements in advanced sensing materials and structures for applications in wearable electronics, robotic skin, intelligent machinery, and beyond. Topics of interest include but are not limited to, novel material design, flexible and stretchable sensors, self-powered sensing technologies, and integrated multifunctional sensor systems. We invite researchers to submit original research to this Special Issue.

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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