Special Issue

Research on Wearable Flexible Electronic Materials

Message from the Guest Editors

Wearable and flexible electronic materials are reshaping the future of modern electronics by enabling the creation of lightweight, conformable, and multifunctional devices tailored to next-generation applications in health monitoring, soft robotics, smart textiles, and the Internet of Things (IoT). This Special Issue aims to highlight recent progress and emerging trends in this fast-evolving interdisciplinary field. We welcome high-quality original research articles, reviews, and perspectives on innovative materials (e.g., organic semiconductors, 2D materials, MXenes, and stretchable polymers), advanced device structures (e.g., flexible transistors, biosensors, and energy harvesters), and scalable, low-temperature fabrication processes compatible with diverse substrates such as polyimide, textiles, biodegradable films, and paper. Particular emphasis will be placed on system-level integration strategies for wireless and self-powered devices that enable the continuous, real-time monitoring of physiological and environmental signals.

Guest Editors

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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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