Special Issue

Functional Surfaces and Interfaces for Flexible Electronics

Message from the Guest Editors

This Special Issue aims to gather and showcase the latest cutting-edge research on functional surfaces for flexible electronics, from fundamental material design and synthesis to device application and system integration. We welcome contributions that elucidate how functional surfaces in flexible electronics—through novel mechanisms, fabrication routes, advanced characterization, and application level demonstrations—dictate performance, reliability, and multifunctionality across wearable, biomedical, energy, and soft robotic platforms. We invite submissions of original research articles and comprehensive reviews that advance the science and engineering of functional surfaces for flexible electronics. Topics of interest include, but are not limited to, the following:

- Stretchable and conformable conductors;
- Micro- and nanoscale surface-structure design and patterning;
- Electronic skin and multidimensional wearable sensors;
- Surface-driven energy harvesting and on-site energy-storage interfaces;
- Bio-inspired, self-healing, or stimuli-responsive coatings;
- Interfacial adhesion, encapsulation, and long-term reliability under mechanical load;

Guest Editors

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Deadline for manuscript submissions

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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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