

Special Issue

Advances in Polymer-Based Nanocomposites for Tactile Sensing: Materials, Processing and Applications

Message from the Guest Editor

With the growing interest of combining electronics with living beings, stimuli-sensitive materials that employ flexible polymers in conjunction with nanostructures have engrossed significant attention for the consciousness of temperature, moisture, light, and touch. Polymer-based nanocomposites may offer influential enhancement in thermal, electrical, optical, chemical, or mechanical properties where a variety of nanostructures with highly conductive, dielectric, piezoelectric, triboelectric, photo-responsive, or stress-sensitive properties have been spotlighted because of their potential in amplifying sensing capability and multifunctionality. This Special Issue aims to bring together advances and developments that would facilitate polymer-based nanocomposites for innovative tactile sensing. Potential topics include the synthesis of ecofriendly, stimuli-sensitive materials, the design of novel electronic architecture, the strategy of advanced manufacturing and interface integration, and the emerging applications for wearable sensors, health monitoring, and implantable electronics.

Guest Editor

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

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