Special Issue

Polymer-Based Materials for Sensors II

Message from the Guest Editors

Smart materials and sensor systems have attracted tremendous attention in recent years due to promising potential applications in wearable electronics, health monitoring, human motion detection, human–machine interaction, and soft robotics. Significant progress in the development of high-performance sensing devices has been achieved in recent years, particularly in terms of sensing components, sensor design parameters, morphology design, and processing techniques. One of the most critical aspects is the choice of suitable materials that meet the requirements of specific transduction mechanisms, such as piezoresistive, piezoelectric, and pyroelectric, amongst others. Thus, polymer-based materials have been widely implemented due to several advantages, such as the possible combinations with functional fillers, low cost, and compatibility with several additive manufacturing techniques. Despite recent developments, highly effective polymer-based materials with high sensitivity and resolution, and that incorporate multifunctional and self-sensing capabilities, need to be explored.

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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 4.7.

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

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