

Special Issue

Polymer-Based Sensor

Message from the Guest Editors

Sensors with excellent flexibility and stretchability are crucial components that can provide health monitoring systems with the capability of continuously tracking various signals including wrist pulse, heart rate, and blood glucose, and without conspicuous uncomfortableness and invasiveness. Therefore, there have been considerable efforts to design more conforming, miniaturized, and skin-attachable health monitoring sensors. However, it is still a significant challenge to develop skin-attachable and monolithic healthcare devices composed of flexible and multifunctional sensors, stretchable interconnections, wireless communication systems, and sustainable power sources. Potential topics include but are not limited to the following:

- Stretchable/flexible sensors;
- Functional/stretchable polymer materials with applications in sensor technology;
- MEMS/NEMS for flexible/stretchable sensors;
- Signal transmission or wireless systems for flexible/stretchable sensors;
- Machine learning for polymer-based electronics;
- Healthcare monitoring and diagnosis applications of sensors;
- Review articles on the current properties and applications of polymer-based sensors.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2022)



Polymers

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Impact Factor 4.7
CiteScore 8.0
Indexed in PubMed



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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 4.7.

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

Prof. Dr. Alexander Böker

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