Special Issue

Polymer-Based Smart Materials: Preparation and Applications

Message from the Guest Editor

With the rapid development of the Internet of Things and wearable technology, smart materials have attracted significant attention due to their special ability to convert various signals such as force, heat, sound, light, and magnetism into electrical signals. Among them, polymer-based smart materials exhibit significant advantages due to their unique structural flexibility and stretchability. However, compared to traditional inorganic materials, polymer-based smart materials continue to exhibit deficiencies in their performance parameters, multifunctionality, and integration. Moreover, scenarios involving contact with the human body demand higher requirements regarding the biocompatibility and environmental friendliness of polymer-based smart materials. Therefore, this Special Issue focuses on novel polymer-based smart materials and their applications, and welcomes the submission of high-quality research papers that present innovative preparation and processing methods and application scenarios. We also welcome the submission of review articles.

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 4.7.

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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