Special Issue

The Development of Modified Polymer Materials in Sensing

Message from the Guest Editors

This Special Issue focuses on polymers modified via physical or chemical methods, which can effectively optimize their performance and significantly expand the application scope of traditional materials. The main feature of modified polymer materials is the highly customized functional performance. Through techniques such as blending, filling, and copolymerization, materials can be endowed with multiple excellent properties such as high strength, high temperature resistance, high sensitivity, and UV resistance, thereby meeting the special needs of high-end fields such as sensors. For example, polymer composites reinforced with nanofillers can increase the mechanical properties by more than 50%. In addition, environmentally friendly modified materials also possess the biodegradable characteristics, which help to promote sustainable development. The advantage of "designable performance" makes modified polymers an important cornerstone of intelligent sensing materials, playing a unique and irreplaceable role in extending the service life of sensors and reducing costs.

Guest Editors

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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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