Special Issue

Polymer-Inorganic Materials Composite and Its Potential Application

Message from the Guest Editors

Insertion of inorganic materials into polymers is usually applied for fabricating polymer composites or hybrid materials with enhanced mechanical, optical, electrical, electronic, sensing, energy production, thermal, adsorption, and catalytical properties. Major inorganic materials, such as graphene, CNT, carbon nanomaterials, various metal nanoparticles, and their oxides, are utilized for enhancing the intrinsic properties of the polymer as a polymer–inorganic hybrid composite. So, this Special Issue will focus on the fabrication of polymer–inorganic hybrid materials and their application in sensors (moisture sensors, chemical sensors, gas sensors, temperature sensors, and so on), mechanical property enhancement of polymers as polymer composites, membrane application using adsorption and separation application for the purification of water, thermoelectric device for the generation of electricity, enhancement of electrical conductivity of polymers, photocatalytic applications, electronic applications, thermal stability, and thermal conductivity modification.

Guest Editors

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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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