Special Issue

Advances in Carbon-Based Polymeric Composites

Message from the Guest Editor

Carbon materials exhibit broad applicability across diverse fields, attracting significant attention due to their multifunctionality and unique structures. Polymer-derived or polymer-analogous carbon materials represent a distinct class of novel carbon-based materials, which integrate the flexible structure or low-dimensional states of polymers with the skeletal framework characteristics inherent to carbon materials. Research regarding polymer-based carbon materials is highly valuable, particularly concerning their large-scale and low-cost preparation, as well as their practical application within polymer-based composites. This Special Issue focuses on the preparation of polymer-related carbon materials and their development within fields such as energy, environment and microwave absorptions. The scope of this Special Issue includes carbon materials (e.g., carbon fibers, carbon nanotubes, carbon spheres, graphene, and some other carbon materials) and biomass-derived carbons, as well as the combination of carbon materials and polymers.

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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