Special Issue

Dispersion, Assembly and Crystallization of Functional Components within Polymer Materials

Message from the Guest Editor

The addition and mixing of function ingredients have been commonly adopted as an approach to enhance the properties and performance of polymer materials. Nevertheless, for functional components, like 2D molecules, inorganic crystals, and carbon allotropes, the difficulties of uniform dispersion and guided organization within materials prevent them from the unique advantages. This challenge has unsolved for decades. The dispersion and crystal growth of functional inorganic component is likely to be largely modified by surrounding polymer matrix. Furthermore, upon the presence of disparate functional components, phase behaviors and habits of ordering organization of host polymers are to be modified in various aspects. This special issue aims at enhancing the discussion and sharing of current progress, discovery, and analysis of various aspects of polymer hybrids. In addition to fundamental physics regarding the evolution of hybrid materials, involved changes and improvement of mechanical, optical, and electrical properties behind materials structures are also expected. Research articles, review articles, perspectives, as well as communications are also invited.

Guest Editor

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Deadline for manuscript submissions

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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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