Special Issue

Versatile Polymers for Batteries II

Message from the Guest Editor

Polymer materials offer major opportunities in various fields due to their versatile properties and applicability. Especially in secondary battery applications, they have become important parts of developing advanced and safer battery systems. Thus, the portion of polymer materials in battery cells is becoming larger and larger, as cell components such as separators, membranes, binders, electrolytes, interface layers, and redox-active materials. To meet the high-energy density, fast charging rate, long lifespan, high efficiency, low cost, and safety required for modern/next-generation batteries, multifunctional polymers, the control of interfacial reactions, and the diffusion of charge carriers have been studied with new synthesis methods and applied with novel approaches. As such, polymers could fulfill more important tasks in next-generation battery systems. This Special Issue will concentrate on recent research on new fabrications, syntheses, modifications, utilizations, and applications of versatile polymer materials for secondary batteries.

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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