Special Issue

Polymer Modified Electrode Materials

Message from the Guest Editors

Polymers have played important roles in modifying electrode materials in the field of secondary batteries, electrocatalysis, bioelectronics and electrochemical sensors, in which the surface state of electrode materials is critical for their performances. Polymer-modification strategies have been proved to be effective to suppress undesired surface side reactions and maintain electrode reactivity. In general, the designable chemical and mechanical properties of polymer modifications make electrode materials more suitable for their applications. The aim of this Special Issue is to highlight the progress and fundamental aspects in polymer-modified electrode materials, as well as their synthesis, characterization, properties, and applications. Topics covering but not limited to the following aspects of polymer modifications and related technologies are highly welcome: Design and analysis of polymer-modified electrode materials
Novel procedures for polymer coating
Theory and simulation for polymer modifications
Polymer-based artificial CEI/SEI film
Novel polymer electrodes, binders and additives.

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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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