Special Issue

Photoelectrocatalytic Polymer Materials

Message from the Guest Editors

Photoelectrocatalytic polymer materials play a pivotal role in the conversion of renewable energy and environmental science. This Special Issue is dedicated to the latest advancements in the field of photoelectrocatalytic polymer materials. We welcome original research papers and comprehensive reviews covering a wide range of topics, including the design and synthesis of novel photoelectrocatalytic polymer materials, such as semiconductor-based composites, metal–organic frameworks with enhanced photoelectrochemical performances, and conjugated polymers with tunable bandgaps and supramolecular assemblies for improved charge separation. Papers on new preparation methods that can improve the structure and properties of photoelectrocatalytic polymers materials, like nanoscale engineering and surface modification techniques, are also highly encouraged. Moreover, we are interested in studies that explore the fundamental mechanisms underlying photoelectrocatalytic reactions, including charge generation, transfer, and recombination processes.

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 4.7.

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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