Special Issue

Polymers in Supercapacitor Technology

Message from the Guest Editors

This Special Issue is motived by the increasing demand for flexible electronics, their integration into wearables, and the Internet of Things, introducing big challenges for the resulting mechanical (stretchability and wearability of devices) and electrochemical properties. The incorporation of supercapacitors as electrochemical energy storage components and potential substitutes for conventional batteries has been favored by the adequate combination of electrical double capacitance and pseudocapacitance components, reinforcing the relevance of polymers not only as additive components for anodes and cathodes but also for gel electrolyte production. The use of electronically conducting polymers (polypyrrole, polyaniline and poly(3,4-ethylenedioxythiophene) polystyrene sulfonate (*PEDOT*:PSS)) as active pseudocapacitance components in electrodes enables applications in flexible electronics while introducing challenges in stability, ion mobility, and power density as a consequence of the optimized conditions in the electrochemical performance of polymer-based supercapacitors. Research articles and review articles are invited.

Guest Editors

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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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