Special Issue

Polymer Composites for Lithium-Ion and Sodium-Ion Battery Applications

Message from the Guest Editors

Polymer composites have become essential in advancing lithium-ion and sodium-ion battery technologies, offering substantial enhancements in performance, safety, and longevity. This issue aims to explore the transformative potential of these materials in battery technology.

This Special Issue seeks original research articles, comprehensive reviews, and insightful perspectives on various aspects of polymer composites, including novel materials, synthesis techniques, and practical applications. By focusing on the latest research and developments, the issue highlights how polymer composites can significantly enhance mechanical stability, conductivity, safety, and overall performance in Li-ion and Na-ion batteries. The in-depth exploration of polymer composites featured in this issue underscores their crucial role in the evolution of high-performance, reliable, and safe energy storage systems. These advancements are paving the way for next-generation battery technologies that promise not only improved efficiency and durability but also enhanced sustainability and cost-effectiveness.

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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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