Special Issue

Latest Technological Advancements in Polymers Used for Lithium-Ion Battery Applications

Message from the Guest Editor

As the pioneer of clean secondary batteries, lithium-ion batteries (LIBs) have been widely applied in portable electronic devices, electric vehicles, generable energy storage, and variously in robots, the military, and emergency products, as well as armariums, due to their high operation voltage, long life cycle, high energy density, and minimal memory effects. With the development of polymer science and nanotechnology, polymers have become important components in LIBs. In order to further improve the safety and electrochemical properties of LIBs, high-performance polymers should be developed. This Special Issue is devoted to the collection of high-quality original research articles or comprehensive reviews on the latest technological advancements in polymers used for LIB applications. Manuscript submissions focusing on polymers for separators/electrolytes, binders, artificial solid electrolyte interphases, and the molecular simulation of related materials are particularly welcome.

Guest Editor

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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

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