

Special Issue

Polymer Battery Materials

Message from the Guest Editors

Batteries have been changing our modern life. They are also essential elements in achieving the target of carbon neutrality by 2050. Polymers are applied as active materials, separators, electrolytes, and electrode binders in batteries. The past few decades have seen the significant role of polymers in building better batteries with longer lifespan, higher output energy density, and lower cost. This Special Issue aims to develop a high-quality article collection (including review papers and original research papers) about the application of advanced polymer materials in batteries. Manuscripts focusing on the following topics are highly welcome: 1) The design of high-performance polymer electrode materials; 2) The design of safe and flexible polymer electrolyte; 3) The developing of novel binders; 4) The developing of new polymer separators/membranes; 5) The surface modification of electrode materials with polymer buffer layers/matrixes; 6) The developing of organic/polymer artificial solid-electrolyte interphases or protective layers for metal electrodes.

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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