

Special Issue

Applications of Polymer Materials in Energy Storage

Message from the Guest Editor

As human life gradually enters a new era of intelligence, the demand for energy has also greatly increased. Energy storage and conversion technology is an important research topic in the task of meeting energy demand. Polymer materials have been widely used in various fields, such as electrochemical energy storage (capacitors and batteries) and green energy (thermal and mechanical), due to their inherent low cost and high processability. These rich functionalities are achieved through active electrochemical, dielectric, piezoelectric, and pyroelectric properties, which can be tuned by different structural and morphological features of high molecular weight polymers. This Special Issue aims to collect research articles on the synthesis, characterization, and application of various polymer material systems, including polymer-based electrode materials, polymer-based electrolytes, composites of dielectric polymers, and other materials, etc.

Guest Editor

Dr. Liubin Wang

School of Chemistry and Materials Science, Hebei University, Baoding, China

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

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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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

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