Special Issue

Redox Polymers for Energy Storage

Message from the Guest Editor

With the ever-increasing demand for energy in human life, seeking a better energy-storage system has become a very important scientific and engineering issue. On this journey, inorganic metal-based batteries, such as lithium-ion batteries (LIB), have been very successful and have dramatically changed our lifestyles. However, the continuously increasing cost (~1500 USD/kg) and the limited reserves of lithium resources (17 ppm of the Earth's crust) require the development of alternative cheap, sustainable and powerful energy storage materials. Redox polymers have been found to have great potential in developing flexible plastic battery materials and have attracted significant attention in past decade. Studies on redox polymers in electrochemical energy storage have attained remarkable achievements, from seeking the new material candidates to the fundamental electrochemical properties, physical, and mechanic properties, and device fabrications. The aim of this Special Issue is to provide a platform for scientists to share their newest progress in this topic. Reviews related to redox polymers are also welcome.

Guest Editor

Dr. Zhongfan Jia

Australian Institute for Bioengineering and Nanotechnology, University of Queensland, Brisbane, QLD 4072, Australia

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

mdpi.com/journal/polymers

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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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