Special Issue

Polymers for Thermoelectric Applications

Message from the Guest Editors

The aim of this Special Issue is to highlight the most recent progress in the field of organic thermoelectric material development. The use of organic conductors as functional or inorganic hybrid materials in thermoelectric generators has gained traction due to their inherently low thermal conductivities and good electrical transport properties. Despite these advantages, the widespread application of polymer-based thermoelectric materials remains challenging, due to the high doping levels required, leading to significant morphological instabilities and poor oxidative stability, especially for n-type materials. Papers in this Issue will discuss current material developments for organic thermoelectric applications and encompasses both functional material developments and innovative approaches towards organic semiconductor doping and processing to yield more stable material blends. Of particular interest are new n-type dopants and polymer structures leading to higher doping efficiency and significantly improved morphological stability at elevated doping concentrations, as well as novel materials for printed TEG modules and innovative solutions for new TEG module designs.

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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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