Special Issue

Polyimide: Preparation, Characteristics, Properties, Processing, and Applications

Message from the Guest Editor

Polyimide is widely used due to its superior all-around performance, which includes high temperature resistance, high strength, electrical insulation, etc. As a result of improvements in modern industry, there has been an ever-increasing need for polyimide films. Currently, the use of polyimide films in electrical insulation, electronic devices, flexible displays, and 5G communication is growing toward greater differentiation, variety, and customization. It is vital to create polyimide films that are highly insulating, have a low expansion coefficient, are transparent, have a low/high dielectric constant, and exhibit high thermal conductivity. but its technical capability remains relatively sluggish, and there is still a long way to go in high-tech areas such as high-speed variable frequency motors, flexible copper clad laminate, and new displays. Special emphasis will be placed on but not limited to the following:

PI membranes low contractility
PI membranes with low dielectricity
Transparent PI membranes
BMI adhesive and composite materials
TPI engineering plastics
Polyimide enameled wire paint

Guest Editor

Dr. Xiaorui Zhang
College of Material Science and Engineering, Harbin University of Science and Technology, Harbin 150080, China

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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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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
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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