Special Issue

Fabrication and Applications of Vitrimer Materials

Message from the Guest Editors

Vitrimers, a cutting-edge class of dynamic polymeric material, uniquely combine the properties of thermoplastics and thermosets through reversible cross-linked networks. Their self-healing properties, recyclability, and reprocessability make them ideal for diverse applications. This Special Issue focuses on advances in vitrimer synthesis, processing, and applications. Topics of interest include innovative fabrication methods, structure-property relationships, vitrimer composites, and their applications in adhesives, functional coatings, packaging, 3D printing, electronics, and biomedical devices. Theoretical studies and industrial challenges, including those regarding sustainability and circular economy aspects, are also welcome. We invite original research, reviews, and perspectives that explore the multidisciplinary potential of vitrimers, pushing the boundaries of our scientific understanding of them and their technological impact.

Guest Editors

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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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