polymers

IMPACT FACTOR 5.0

Indexed in: PubMed

CITESCORE 6.6

an Open Access Journal by MDPI

Polymer Characterization

Guest Editor:

Prof. Dr. Jean Duhamel
Institute for Polymer Research, Waterloo Institute of Nanotechnology, Department of Chemistry, University of Waterloo, Waterloo, ON N2L 3G1, Canada

Deadline for manuscript submissions:
closed (30 June 2018)

Message from the Guest Editor

Under its many forms, fluorescence has become an essential tool for the structural and dynamic characterization of synthetic and biological macromolecules in solution and in a solid state. Its extreme sensitivity enables one to probe macromolecules under conditions that are so dilute (sub-mg/L concentrations can be easily achieved) that they prevent intermacromolecular interactions during that short time window (a few tens of nanoseconds) where the fluorescent probe remains excited, in essence allowing the study of isolated macromolecules. Furthermore, novel living radical polymerization techniques have provided scientists with means to incorporate dyes in well-defined synthetic macromolecules of ever more complex architectures and at positions of which specificity was once believed to be solely available to biological macromolecules. The length scales probed by fluorescence, ranging from several angstroms up to ten nanometers, are also ideally suited for the study of macromolecules, being themselves a few nanometers in size. Due to its long scientific history, some might believe that fluorescence has nothing new to offer.

polymers

IMPACT FACTOR 5.0 | Indexed in: PubMed | CITESCORE 6.6

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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 5.0.

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.
Journal Rank: JCR - Q1 (*Polymer Science*) / CiteScore - Q1 (*Polymers and Plastics*)

Contact Us

Polymers Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/polymers
polymers@mdpi.com
𝕏@Polymers_MDPI