Special Issue

Material Design of Polymeric Photocatalysts

Message from the Guest Editor

Artificial photocatalysis is deemed one of the most promising pathways for mitigating environmental contamination and the energy dilemma caused by the rapid development of modern technology. Versatile polymers nowadays play an increasingly important role in the design of photocatalysts due to their various merits, including their cost-effectiveness, functionality and structural tunability. This Special Issue aims to cover all polymeric materials designed for photocatalysis, which mainly consist of the following three types: (1) polymers with semiconducting behaviors, which can drive photocatalytic reaction themselves, such as carbon nitride (g-C3N4), conjugated polymers and covalent organic frameworks (COFs); (2) conducting polymers, which can accelerate photo-excited charge transfer, such as polypyrrole (PPy) and polyaniline (PANI); and (3) polymers that act as assistants or substrates, which can tailor the physicochemical properties of photocatalysts or transform photocatalyst powders into monoliths with various shapes and sizes (e.g., films, gels), such as cellulose, chitin and chitosan.

Guest Editor

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Deadline for manuscript submissions

closed (25 August 2023)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/134511

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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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