Special Issue

Polymer-Based Materials for Photocatalysts

Message from the Guest Editor

Polymer-based photocatalysts have been proposed as a promising sustainable approach in energy conversion, environmental remediation, and biomedical science, due to their synthetic variety, structure diversity, and adjustable electronic structures. Many strategies, such as the tuning of building blocks, doping, surface modifying, and combining with other nanomaterials or molecules, can control the physicochemical properties of polymer-based photocatalysts. However, the high recombination rate of photoexcited charge carriers and their low quantum efficiency still pose challenges for the application of polymer-based photocatalysts in the field of photocatalysis. Moreover, the stability of polymer-based photocatalysts in the photocatalytic process should also be considered a topic of concern. This Special Issue will focus on the structure design, novel synthetic methods, structure–property relationship, and application of polymer-based photocatalysts.

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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

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