Special Issue

Polymers Application in Electronics and Photonics

Message from the Guest Editor

Dear colleagues, Photonic crystals (PCs) are materials that possess spatial periodicity of theirstructures. Due to the possession of periodic structures, the PCs are capable of manipulating the light in a multiscale environment and, hence, exhibit excellent optical properties such as photonic bandgap (PBG), the “low-photon” effect, photon localization, and fluorescence enhancement, among others. All these excellent properties make PCs great materials for the development of low-loss waveguides, high-quality optical fibers, anti-counterfeiting labels, low-cost printings and paintings, high-performance sensors, and perticularly novel display. Cholesteric liquid crystals(CLCs) are a kind of special photonic crystals, in which the orientation of liquid crystals molecules varies in a helical fashion. Therefore CLCs can selectively reflect light according to Bragg’s law, also known as the structural color. This Special Issue aims to publish works regarding recent development or improvement of photonic crystals, liquid crystals materials and their applications in display devices.

Guest Editor

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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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