Special Issue

Research on Room-Temperature Phosphorescence Polymer Materials

Message from the Guest Editor

Polymer-based room-temperature phosphorescent (RTP) materials have attracted considerable attention in the past few decades due to their advantages, such as easy processing, good flexibility, and low toxicity. Lots of studies have made a great effort to develop RTP materials possessing excellent luminescent performance, including a long lifetime and high brightness. In spite of this, there are some unexplored fields and great challenges, such as achieving long-lived RTP systems or even ultra-long-lived RTP emissions, due to the strong non-radiative decay caused by the quenching of long-lived triplet states via thermal vibrations, oxygen, and other factors, as well as intersystem crossing (ISC), stability, and repeatability. This Special Issue of Polymers will cover a broad range of research activities, such as polymer structural design, synthetic methods (chemical or physical approaches), phosphorescent properties, and deep insights into action mechanisms and applications. In addition, review papers featuring progress in a particular area are welcomed.

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

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