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Polymeric Optoelectronic Materials

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Message from the Guest Editor

Polymeric optoelectronic materials refer to a type of functional material that is composed of polymer materials combined with nonlinear optical molecules or semiconductors. Due to their comprehensive processability and flexibility, as well as the conductivity of the inorganic semiconductor, they have broad applications in fields such as electronic information technology, communication equipment, etc. They have the following characteristics: firstly, good optical performance, such as adjustable transparency, absorption index, refractive index, etc.; secondly, excellent electrical performance, including conductivity, permittivity, etc.; thirdly, high controllability, which can be modified according to actual needs.

In this Special Issue, research could pay attention to the following topics: 1. the development of more efficient and flexible polymeric optoelectronic materials; 2. expanding the application fields of polymeric optoelectronic materials; 3. the development of novel composites with other materials to achieve better performance; 4. an improvement in the density and speed of optical storage; and 5. the development of new optoelectronic devices and applications.



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Special Issue



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Message from the Editor-in-Chief

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