Special Issue

Advanced Optical Polymers: Synthesis, Characterization, Dopants and Applications

Message from the Guest Editors

Optical polymers belong to the group of materials that are widely used in photonic technologies. Due to their isotropy and homogeneity comparable to that of conventional optical glasses, optical polymers are also called organic glasses. The optical properties of such materials may include refractive index, polarization, absorption, luminescence (fluorescence), and transmittance, etc.

One of the most interesting types of advanced optical polymers are those modified with MOFs (metal–organic frameworks). They combine the physical and chemical properties of both inorganic and organic building blocks in fascinating crystal structures with a broad array of functional features.

This Special Issue will focus on the monomeric and polymeric materials currently used in optical technologies, photochemistry, and other related techniques, as well as all kinds of advanced polymeric materials characterized by optical properties. We kindly invite you to submit manuscripts for this Special Issue.

Guest Editors

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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