Special Issue

Recent Advances in Photoinitiators for Polymerization

Message from the Guest Editor

Photoinitiating systems (PSIs) are sometimes complex combinations of several compounds that require at least a photoinitiator (I). Other components of a photoinitiating system may include a photosensitizer, a coinitiator, and added compounds. Polymerization photoinitiators which are activable under low light intensity and in the visible range are being actively researched by both the academic and industrial communities. In this Issue, the representative trends in investigations of the light-induced polymerization and overview of the photoinitiators based on synthetic or/and natural products as well as their potentials for various future industrial applications (e.g., printing enabling an unprecedented access to structures of incredible complexity, medical applications, photocomposite synthesis, manufacturing of fiber-reinforced polymers, protective coatings, dental fillings, adhesives, inks, rapid prototyping, and advanced high-technology purposes (micro and nano-fabrication, optoelectronics, holographic data storage, etc.)) will be highlighted and discussed.

Guest Editor

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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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