

Special Issue

Recent Developments in Photoinitiators

Message from the Guest Editor

At present, photopolymerization processes are particularly significant in the modern chemical industry, and the fundamental components that guarantee the efficient process are photoinitiators. Currently, the multitude of requirements for modern photoinitiators results in a growing demand for improved, more efficient, and user-friendly photoinitiators. In addition to single-component initiators, multicomponent initiating systems are playing an increasingly important market role. Furthermore, great attention is being paid to the toxicity of such initiators, which is why raw materials of natural origin are becoming more frequently chosen for the synthesis of photoinitiators. Numerous research methods and increasingly efficient computer calculations make it possible to precisely understand, investigate, and justify the nature and mechanism of initiation of photoinitiators. In this issue, the latest developments in the field of synthesis, physicochemical properties of new photoinitiators, as well as modern trends of applications of such compounds are highlighted and discussed.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2021)



Materials

an Open Access Journal
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Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



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Message from the Editor-in-Chief

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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