



Recent Developments in Photoinitiators

Guest Editor:

Prof. Dr. hab. Joanna Ortyl

Laboratory of Photochemistry
and Optical Spectroscopy,
Faculty of Chemical Engineering
and Technology, Cracow
University of Technology,
Warszawska 24, 31-155 Cracow,
Poland

Deadline for manuscript
submissions:

closed (30 November 2021)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)