

Special Issue

Advanced Materials for Optical Applications and Devices

Message from the Guest Editor

This Special Issue “Advanced Materials for Optical Applications and Devices” provides an overview of the latest research and development in optical materials and devices. Optical materials are inorganic, organic, or hybrid materials substances used to manipulate the flow of light for various applications such as pigments, phosphors, thermochromic materials, laser, photovoltaic devices, thermometry, chemical sensing, up-conversion, etc. All of these applications require a full understanding of the interaction between light and matter in order to develop original and relevant properties and increase our research knowledge. The Special Issue “Advanced Materials for Optical Applications and devices” will be devoted to research on new relevant optical materials: from synthesis, structure, and properties to their potential optical applications. Consequently, original research papers, communications, or review articles in these areas are cordially invited.

- inorganic materials
- organic–inorganic hybrid materials
- optical properties
- luminescence
- phosphorescence
- photochromism
- photovoltaics
- thermochromism
- optoelectronics
- plasmonics

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2022)



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About the Journal

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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