Special Issue

New Advances in Photonic Materials and Devices

Message from the Guest Editors

The Special Issue “New Advances in Photonic Materials and Devices” will present a collection of high-quality original research papers as well as comprehensive reviews on design, synthesis, growth, processing, characterization, demonstration, modeling, simulation and applications of photonic materials and devices. This Special Issue aims to highlight new understanding, new techniques, new results, new theories, and new innovative approaches and developments in all aspects of the design, fabrication, characterization, manipulation, and application of micro/nanostructures, metamaterials/metasurfaces, and devices and their integration in existing and emerging applications. Potential topics include but are not limited to:

- Properties, synthesis, growth, and characterization of micro/nanostructured materials
- Nanocrystals, nanowires, nanotubes, and nanobelts
- Metamaterials and metasurfaces
- Theoretical modeling and simulation
- Integrated photonics
- Light manipulation
- Light emitting devices
- Photodetectors
- Modulators
- Sensors
- Solar cells
- Optoelectronic devices

Full papers, short communications, and reviews will be greatly appreciated.

Guest Editors

Prof. Dr. Pinghui Wu

Dr. Kaihua Wei

Dr. Jinhua Hu

Deadline for manuscript submissions

closed (20 September 2023)

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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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