

Special Issue

Sciences and Applications of Nano-Photonics

Message from the Guest Editors

The interaction between nanomaterials and light is an essential component in nano-photonics. The research conducted on this interaction is paving the way for the development of integrated optoelectronic systems by enabling the fabrication of novel nanomaterials with unique optical properties, the construction of micro-photonic devices, and the improvement of optical fabrication techniques. We invite you to submit your contributions to the research on how fluorescent nanomaterials interact with lasers. This involves exploration of novel interaction principles and the fabrication of novel fluorescent nanomaterials. This Special Issue aims to present original research articles exploring the topic of nanomaterials. The fabrication of fluorescent nanocrystals and films, and 2D/3D micro-structures with a unique laser performance, as well as processing methods, including direct laser writing or other optical techniques, are invited for submission. The research may include (but are not limited to) the following areas:

- Nanocrystals/films;
- Perovskites;
- Two- and three-dimensional nano- and micro-structures;
- Fluorescence and display;
- Direct laser writing.

Guest Editors

Dr. Lige Liu

School of Physics, Peking University, No. 5 Summer Palace Road, Haidian District, Beijing 100084, China

Dr. Jian Xu

School of Physics, Peking University, Beijing, China

Dr. Bingkun Chen

School of Optics and Photonics, Beijing Institute of Technology, Beijing 100081, China

Deadline for manuscript submissions

closed (30 September 2023)



Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



mdpi.com/si/147673

Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)





Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Instrumentation)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).