

## Special Issue

# Nanophotonics, Metasurface, and Topological Photonic Crystals: Physics and Applications

### Message from the Guest Editors

We are pleased to invite you to contribute your work to this Special Issue. In recent decades, researchers have witnessed the improvement and exciting novel results and applications of nanophotonics, metamaterials, and plasmonics. The current and emerging applications of topological photonic crystals and photonic BICs and their role in shaping the interaction of light and matter has revolutionized the way of photonic-devices design. The physics, formation mechanisms, and design of topological PhC and BIC has shed new light on applications in integrated photonics and novel fields. These advances have led to extraordinary performance and novel phenomena, as well as having opened the door for new applications, including light guiding and bending, routing, lasing, sensing, optical communications, optical computing, non-linear optics, and quantum optics, etc. We strongly encourage the submission of articles for this Special Issue. Both original research papers and review articles describing state-of-the-art innovations in this research field are welcome.

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### Guest Editors

Dr. Jietao Liu

Dr. Jin Li

Dr. Bo Cheng

Dr. Minghao Chao

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### Deadline for manuscript submissions

closed (10 June 2023)



## Photonics

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## 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.

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### Editor-in-Chief

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