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Intelligent Nanophotonics

Guest Editor:

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Deadline for manuscript submissions:
closed (20 May 2024)

Message from the Guest Editor

The area of Artificial Intelligence-based nanophotonics has drawn increasing attention and developed rapidly in recent years. The use of Artificial Intelligence enables the design of new and promising optical devices with significantly improved performances and greater opportunities for use.

This Special Issue will offer a comprehensive selection of recent studies, and we invite researchers involved in nanophotonics research to contribute original research papers or review articles to this Special Issue.

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Editor-in-Chief

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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