Special Issue

Nanophotonics: Lasers, Gratings and Localized Surface Plasmons

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue with the latest progress in the field, including fundamental research and applications of lasers, gratings, and localized surface plasmons. You are welcome to submit your original research or comprehensive review articles covering the Special Issue topics. Research areas may include (but are not limited to) the following:

- Single-photon sources
- Quantum-cascade lasers and applications
- Tunable single-frequency laser diodes
- Fiber-optic gratings and applications
- Ultra-fast photonics
- Nanoscale plasmon lasers
- Localized surface plasmons resonance sensors and other applications
- Nanoheterostructures for lasers and applications

We look forward to receiving your contributions.

Guest Editors

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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.

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