

Special Issue

Optical Spectroscopy Characterizations of Low- Dimensional Nanomaterials

Message from the Guest Editors

This Special Issue focuses on the current state-of-the-art in characterizing low-dimensional materials via optical spectroscopy and the advanced development of optical spectroscopy instrumentations applied for unique application scenarios, such as in situ growth monitoring, manipulating and defect engineering, etc. It aims to attract both academic and industrial researchers in order to foster the current knowledge of low-dimensional materials and applications, and to present new ideas for characterizing technologies.

- low-dimensional materials
- optical spectroscopy
- optical spectroscopy instrumentations
- in situ monitoring
- low-symmetrical materials
- heterostructures
- defect engineering

We look forward to receiving your contributions.

Guest Editors

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About the Journal

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.

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