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State-of-the-Art Fabrication, Characterization and Manipulation Techniques for Nanomaterials and Structures

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Message from the Guest Editors

Dear Colleagues,

Nanomaterials and nanostructures have attracted significant attention in the past two decades, motivated by their growing importance in a wide range of applications, including catalysis, nanoelectronics, nano-optics, energy storage, and biological sensors.

Accordingly, this Special Issue seeks to showcase research papers, communications, and review articles that focus on recent advances in experimental techniques applications, well as theoretical/computational as modeling of state-of-the-art nanostructure/heterostructure fabrication techniques, advanced material characterization methods, and strategies for tailoring and manipulating material properties using physical and chemical means. These include but are not limited to self-assembly, topdown and bottom-up growth methods, 2D heterostructure fabrications, advanced scanning probe microscopy and electron microscopy characterizations, functionalization, strong light-matter interactions, and nanostructure-enabled devices













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Message from the Editor-in-Chief

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