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## Nanostructured Molecular Beam Epitaxy Growth and Quantum Device

Guest Editors:

**Prof. Dr. Changsi Peng**

School of Optoelectronic Science and Engineering, Soochow University, Suzhou 215006, China

**Prof. Dr. Chaoyuan Jin**

College of Information Science and Electronic Engineering, Zhejiang University, Hangzhou 310027, China

Deadline for manuscript submissions:

**closed (20 July 2022)**

### Message from the Guest Editors

Dear Colleagues,

Nanostructured materials are at the forefront of 21st-century device innovation. The understanding and exploitation of nanoscale electronic materials, such as quantum dots and quantum wires, has been the subject of intense research. In addition, nanoplasmonics and functional biomaterials are emerging fields with tremendous potential. However, the underlying nanostructuring process methodology has not evolved significantly over very many years.

Among technologies that harness interactions between light and matter, quantum information processing is an emerging field of science in which photons are employed to encode, transmit, and process information in the form of quantum bits.

This Special Issue will focus on the developments in the field of semiconductor nanostructured molecular beam epitaxy (MBE) growth and quantum devices. The articles presented in this Special Issue will cover various topics, including but not limited to, the optimization of MBE growth, quantum dots, quantum wires, nanowires/pillars, nano-patterned growth, quantum devices, quantum light sources, and nanophotonics.

Prof. Dr. Changsi Peng

Prof. Dr. Chaoyuan Jin

*Guest Editors*



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# Special Issue



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### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

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*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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