



## Recent Advances in Optoelectronic Functional Nano-Materials

Guest Editors:

**Dr. Arash Rahimi-Iman**

**Dr. Weien Lai**

**Dr. Weiguang Kong**

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submissions:

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### Message from the Guest Editors

This Special Issue aims to bringing together professionals and academics performing advanced research on materials with outstanding optical and optoelectronic properties that have the potential to positively shape the information-processing and energy-demanding world of tomorrow. The main purpose is to collect innovative and original contributions targeting modern challenges in optoelectronics and photonics.

Nanomaterials research is highly multidisciplinary and strongly benefiting from international cooperation, and has successfully entered the stage of industrial application. Similarly, the revisited class of 2D materials with controllable single-layer features that are now increasingly being explored promise a new age of optoelectronic nanodevices. Ultimately, the synthesis of quantum materials has evolved to the extent that mass producibility and device integration have become common topics.

In fact, certain materials have shown very interesting properties that render them attractive candidates for optoelectronic devices. Future on-chip optoelectronic circuitry for computing or possibly biomedical applications may also benefit from recent advances in this overarching field.





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## Editor-in-Chief

### 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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