

## Special Issue

# Metasurfaces Meet Two-Dimensional Materials

### Message from the Guest Editor

In the last two decades, metasurfaces and two-dimensional (2D) materials are 2 exciting fields that develop independently. Recently, these two research directions intersect, leading to novel physical phenomena and applications. For example, layered 2D materials/metasurfaces with twisted magic angles show unprecedented control over photonic and electronic band structures. Besides, combining 2D materials with metasurfaces promises exotic meta-devices with active control, strong light-matter interaction, and entangled quantum emittance. This special issue aims to highlight the latest achievements in the novel theory, design, and application of metasurfaces and 2D materials, in an attempt to conclude the development trends in this interdisciplinary field. You are invited to contribute to this Issue by submitting your original research articles or reviews. The scope of this Issue includes but is not limited to works related to nano-tailored 2D materials, metasurfaces, or both.

### Guest Editor

Dr. Yao Liang

Department of Electronic Engineering, City University of Hong Kong, Kowloon Tong, Hong Kong

### Deadline for manuscript submissions

closed (20 September 2023)



## Materials

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/119056](https://mdpi.com/si/119056)

*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

[mdpi.com/journal/  
materials](https://mdpi.com/journal/materials)





# Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/journal/  
materials](https://mdpi.com/journal/materials)



## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

---

### 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

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

#### Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) /  
CiteScore - Q1 (Condensed Matter Physics)