

## Special Issue

# Recent Advances in Nanodiamond and Nanocarbon

### Message from the Guest Editors

Wide variety of Carbon nanomaterials exhibit remarkable potential in diverse areas of research and application owing to their unique structural, physical and chemical properties. Optimization of the nanocarbon structures production and deposition methods for obtaining materials and structures with pre-established properties highlight the development of this group of materials. Latest achievements open up opportunities for the development of quantum technologies based on carbon and boron nitrides, devices for power electronics, photoelectronics for energy harvesting/storage, different kinds of sensors, in biological applications and in other fields. This Special Issue intends to cover recent advances in the field of carbon nanostructures, ranging from, but not limited to, material growth/production, characterization and applications. It is my pleasure to invite you all to submit research articles, review papers and short communications concerning nanocarbons researches and applications.

---

### Guest Editors

Prof. Dr. Chia-Liang Cheng

Department of Physics, National Dong Hwa University, Hualien 97401, Taiwan

Dr. Elena Perevedentseva

Department of Physics, National Dong Hwa University, Hualien 97401, Taiwan

---

### Deadline for manuscript submissions

closed (20 May 2023)



## Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/86252](https://mdpi.com/si/86252)

*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 Editorial Board

*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.

---

### Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

---

### 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)