

Graphite/Carbon: Surface Modification and Application

Guest Editor:

Dr. Can Jiang

School of Materials Science and
Engineering, Wuhan Institute of
Technology, Wuhan 430070,
China

Deadline for manuscript
submissions:

closed (20 September 2023)

Message from the Guest Editor

Dear Colleagues,

Carbon materials are attracting tremendous research interest because of their extraordinary properties and unparalleled advantages. The applications of the carbon materials strongly depend on not only their intrinsic structural features, but also their interfacial affinity with other substrates. In this regard, modification toward the structure and surface of carbon materials as well as interface with applied substrates is crucial for their valued applications. For this reason, we would like to assemble a Special Issue titled “Graphite/Carbon: Surface Modification and Applications”.

The topics of interest for this Special Issue include (but are not restricted to):

- Novel surface modification technologies for carbon materials;
- Functionalized modification and applications of graphite, graphene, and their derivatives;
- Characterization and analysis of carbon materials;
- Novel carbon materials: structure and properties;
- Carbon-based coatings;
- Carbon films;
- Carbon-carbon composites;
- Applications based on carbon materials.

We look forward to receiving your contributions.

Dr. Can Jiang
Guest Editor



mdpi.com/si/113394

Special Issue

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New
Ceramics and Fine Processing,
School of Materials Science &
Engineering, Tsinghua University,
Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam
Mickiewicz University in Poznań,
ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

Contact Us

Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/coatings
coatings@mdpi.com
X@Coatings_MDPI