

Special Issue

Graphite/Carbon: Surface Modification and Application

Message from the Guest Editor

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.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2023)



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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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