



Surface Modification of Diamond Nanomaterials and Their Applications

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Deadline for manuscript
submissions:

1 November 2024

Message from the Guest Editor

In light of the continuous progress in practical applications of diamond materials, a better understanding of the surface and interface behaviors of diamond nanomaterials within their application environment is urgently needed. The rational design of diamond surfaces is needed to offer an additional degree of tenability and achieve novel functionalities that meet the growing demands in various diamond applications.

- diamond
- fluorescent nanodiamonds
- diamond films
- surface modification
- surface functionalization
- surface doping
- surface nano-structuring
- surface properties

Therefore, we are pleased to launch this Special Issue and invite researchers to contribute their original research articles and reviews in the realm of surface design and modification of diamond materials and their applications.





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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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