

Special Issue

Structure, Properties, and Electrochemical Sensing Applications of Graphene-Based Materials

Message from the Guest Editors

This Special Issue will present reviews and original research articles related to the unique structures and properties of graphene derivatives that are relevant to electrochemical applications, approaches for the fabrication of graphene-based electrochemical sensors, and typical applications of these electrochemical sensors. This Special Issue covers, but is not limited to, the following topics:

- Modification methods of graphene and its derivatives;
- The effects of functional groups on the structure and properties of graphene;
- The electrochemical properties of graphene derivatives;
- Electrode fabrication with graphene derivatives;
- Electrochemical sensors based on graphene derivatives;
- Environmental monitoring applications of graphene-based sensors;
- Clinical diagnosis applications of graphene-based sensors;
- Other applications of graphene-based sensors.

Best regards,

Guest Editors

Prof. Dr. Lei Yang

Dr. Sicheng Chen

Dr. Meiling Guo

Dr. Weiqiang Zhang

Deadline for manuscript submissions

closed (30 September 2023)



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

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