

sensors



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Recent Advances in Nanomaterial-Based Electrochemical Sensors

Guest Editor:

Dr. Kuoyuan Hwa

Department of Molecular Science
and Engineering, Institute of
Polymeric Science and
Engineering, National Taipei
University of Technology, Taipei
10608, Taiwan

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Message from the Guest Editor

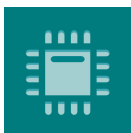
As one of the most important sensing technologies, the electrochemical sensor has the advantages of fast detection speed, high sensitivity, and low detection limit. Because of their large active surface area and good electron transfer performance, nanomaterials provide a new method for the development of high-performance electrochemical sensors. Nanomaterials, including metal nanoparticles, nanowires, graphene, nanotubes, metal–organic frames, molecularly imprinted polymers, and others, have been used to modify electrodes. The combination of nanotechnology and chemical sensors improves the sensitivity and sensing capability of existing sensors, which are widely used in medical diagnosis, food evaluation, pollutant detection, and other fields.

The purpose of this Special Issue is to introduce the research progress in the field of nanomaterials in electrochemical sensors and the application of advanced electrochemical sensors.



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Special Issue



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Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
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