Special Issue

Recent Advances in Functional Nanomaterials for Electrochemical Sensors and Biosensors

Message from the Guest Editor

As is well-known, when the sizes of the materials are reduced to the nanometer range, some of their physical and chemical properties will change significantly, and a series of unique effects will appear including surface effect, volume effect, quantum size effect, and macroscopic quantum tunneling effect. With the development of nanoscience and nanotechnologies, various functional nanomaterials have been synthesized and applied in different fields of energy storage, light-emitting nano devices, optoelectronic devices, catalysis, and sensors. This Special Issue is focused on the recent achievements in functional nanomaterials for electrochemical sensors and biosensors. We invite original contributions as well as review articles relating the synthesis, characterization, and application of novel functional nanomaterials with unique properties (carbon, semiconductor, metal-organic framework, covalent-organic framework, organic–inorganic nanocomposites, etc.) in electrochemical sensors and biosensors.

Guest Editor

Prof. Dr. Liqiang Luo

Department of Chemistry, College of Sciences, Shanghai University, Shanghai 200444, China

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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