Special Issue

Development and Evaluation of Nanostructured Electrochemical Sensors

Message from the Guest Editors

Over the last decade, electrochemical sensing has made enormous progress, with developments in creating sensors with improved selectivity, sensitivity, and versatility. One major factor driving this development has been the progress in the area of conductive nanostructured materials, nanoparticles, and nanofibers, as well as the incorporation of tandem sensing strategies such as electrochemical Ramen spectroscopy.

For this Special Issue we invite investigators to submit original research articles, letters, as well as review and prospective view articles on fundamental developments in nanostructured electrochemical sensing interfaces, as well as new applications and material synthesis and characterization. This Issue will have a particular focus on novel electrochemiluminescence based biosensing strategies and nanomaterials for electrochemiluminescence, including low cost and point-of-care diagnostics.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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