

Special Issue

Advanced Designs of Materials, Devices and Techniques for Biosensing

Message from the Guest Editors

Sensing approaches at the cutting edge of the chemistry, physics, and biology of functional materials involve either affinity assays with ligands of the target analyte, live cells, or biomimetic structures immobilized onto tailored sensor chips, in 2D or 3D arrangements, or alternatively, coupled with functional materials integrated within the transducing layer(s) of the sensor. Thus, the aim of this Special Issue is to publish and disseminate original research data, review articles, communications, and short notes that focus on new (experimental or theoretical) advances, challenges, and outlooks concerning the design, construction, and characterization of sensing chips/devices and of related analytical techniques for biosensor development. We invite contributions on topics that include but are not limited to various state-of-the-art biosensing technologies. As , we warmly invite you to submit manuscripts for this Special Issue entitled “Advanced Designs of Materials, Devices and Techniques for Biosensing”.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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