Special Issue

Advances in Biosensors Based on Framework Materials

Message from the Guest Editors

Framework materials have been the focus of research for the past 30 years. Among them, the representatives are MOFs (metal organic frameworks), COFs (covalent organic frameworks), and HOFs (hydrogen-bonded organic frameworks). These framework materials have common characteristics, such as a large specific surface area, the variety of structures, the adjustable shape and size of the holes, and the controllable skeleton. They have great applications such as catalysis, adsorption, and sensing. The exploration and development of framework materials for biosensing has obviously emerged as a popular topic of study in recent years, and is of great significance in the chemical, biological, and biomedical fields. Therefore, for this Special Issue, we welcome original research papers as well as reviews concerning current developments on the advances in biosensors based on framework materials. This includes various frameworks, including MOFs, COFs, HOFs, any hybrid frameworks, and other novel frameworks.

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Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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