Special Issue

Chemical Sensors Based on Low-Dimensional Semiconductors

Message from the Guest Editor

Chemosensor technology is being advanced by innovations in the development of low-dimensional semiconductors such as graphene, transition metal dichalcogenides, black phosphorus, and quantum dots. These sensors can provide highly sensitive and selective responses to target chemicals due to the unique electronic and optical properties of low-dimensional semiconductors, making them useful for various applications, including environmental monitoring, hazardous waste monitoring, medical diagnosis, and industrial process control. This Special Issue aims to highlight recent advances and applications of the low-dimensional semiconductor-based chemical sensors. Authors are therefore invited to submit works related to novel materials, sensor structures, mechanism studies, and applications. Both review articles and research papers are welcome.

Guest Editor

Prof. Dr. Huan Liu
School of Integrated Circuits, Huazhong University of Science and Technology, 1037 Luoyu Road, Wuhan 430074, China

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

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Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

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Beijing Key Laboratory of Microanalytical Methods and Instrumentation, Department of Chemistry, Tsinghua University, Beijing 100084, China

Prof. Dr. Nicole Jaffrezic-Renault
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