

Special Issue

Recent Developments in Electrode Materials for Electrochemical Sensing

Message from the Guest Editor

Electrochemical sensors play a vital role in the rapid, sensitive, and portable detection of chemical and biological species across fields such as environmental monitoring, biomedical diagnostics, and industrial safety. Their performance is fundamentally governed by the electrode materials at their core, whose composition, structure, and surface characteristics dictate key analytical metrics including sensitivity, selectivity, stability, and reproducibility. Nevertheless, the translation from controlled laboratory environments to real-world applications poses significant challenges.

This Special Issue of *Chemosensors*, entitled "Recent Developments in Electrode Materials for Electrochemical Sensing," aims to showcase cutting-edge progress in the design, fabrication, and application of novel electrode materials. We welcome contributions addressing innovative synthesis approaches, surface and structural engineering, performance optimization strategies, and the system-level integration of advanced electrode materials into practical electrochemical sensors suited for demanding real-world and point-of-care applications.

Guest Editor

Dr. Yanxia Li
Department of Chemical Engineering and Materials, Minjiang University, Fuzhou 350108, China

Deadline for manuscript submissions

30 November 2026



Chemosensors

an Open Access Journal
by MDPI

Impact Factor 4.4
CiteScore 8.1



mdpi.com/si/265119

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

[mdpi.com/journal/
chemosensors](https://mdpi.com/journal/chemosensors)





Chemosensors

an Open Access Journal
by MDPI

Impact Factor 4.4
CiteScore 8.1



[mdpi.com/journal/
chemosensors](https://mdpi.com/journal/chemosensors)



About the Journal

Message from the Editorial Board

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.

Editors-in-Chief

Prof. Dr. Jin-Ming Lin

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

Prof. Dr. Nicole Jaffrezic-Renault

Institute of UTINAM, University of Franche-Comté, UMR-CNRS 6213, 16
Gray Road, 25030 Besançon, France

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPus / SciFinder, Inspec, Engineering Village and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Physical and Theoretical Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.8 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the first half of 2026).