

Special Issue

Electrochemical Sensors and Microelectronic Devices for Ionic Analytes

Message from the Guest Editors

Electrochemical sensors targeting ionic and polyionic analytes have become increasingly important due to their potentially wide applications in biomedicine and environmental monitoring. In recent years, much effort has been made to further expand the library of available electrochemical sensors and target new applications. This Special Issue welcomes novel perspectives and discoveries in the field of electrochemical devices for ionic analytes, demonstrating new sensing capabilities or presenting interesting applications. Both review articles and original research papers will be considered in but not limited to the following areas:

- Novel electrochemical sensors for ionic and polyionic analytes;
- Enabling technologies based on electrochemical devices;
- Sensor networks and their transformative applications;
- New materials for bio-related electrochemical sensors;
- Applications of electrochemical sensors in environment monitoring;
- Digital health and clinical studies targeting ionic analytes.

Guest Editors

Dr. Hnin Nyein

Department of Electrical Engineering and Computer Sciences,
University of California, Berkeley, CA 94720, USA

Dr. Li-Chia Jerry Tai

Department of Electrical Engineering and Computer Sciences,
University of California, Berkeley, CA 94720, USA

Deadline for manuscript submissions

closed (30 August 2022)



Chemosensors

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 7.3



mdpi.com/si/62227

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 3.7
CiteScore 7.3



[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 20.5 days after
submission; acceptance to publication is undertaken in 2.8
days (median values for papers published in this journal in
the first half of 2025).