Special Issue

Functionalized Organic Thin Film Transistors for Sensing

Message from the Guest Editors

Chemosensor-based organic thin film transistors or organic field effect transistors have the advantages of excellent processability using high-throughput printing techniques, mechanical robustness, tunable selectivity to various analytes, and compatibility to plastic or other flexible substrates. Therefore, chemosensors based on organic thin film transistors are particularly suitable for certain emerging applications, such as wearable electronics, electric skin, electric nose, and soft robotics. This special issue aims to provide researchers with a platform to showcase the latest developments in the field of chemosensors based on organic thin film transistors. The topics can be but is not limited to:

- Functional organic (small molecules or polymers) semiconductors, gate dielectrics, and electrodes;
- New material processing and device fabrication techniques;
- New device design;
- Applications of chemosensors based on organic thin film transistors;
- Devices inducing chemical, biological sensors, phototransistors, thermal sensors, pressure sensors, water-gated sensors, electrochemical sensors, etc.

Guest Editors

Prof. Dr. Yuning Li

Department of Chemical Engineering and Waterloo Institute for Nanotechnology (WIN), University of Waterloo, Waterloo, ON, Canada

Dr. Jenner H. L. Ngai

Department of Chemical Engineering and Waterloo Institute for Nanotechnology (WIN), University of Waterloo, Waterloo, ON, Canada

Deadline for manuscript submissions

closed (15 June 2022)

Chemosensors

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 5.0

mdpi.com/si/67060

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

mdpi.com/journal/chemosensors

Chemosensors

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 5.0

mdpi.com/journal/chemosensors

MDPI

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

Prof. Dr. Nicole Jaffrezic-Renault
Institute of UTINAM, UMR-CNRS 6213, University of Franche-Comté, 16 Gray Road, 25030 Besançon, France

Author Benefits

High Visibility:

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

Journal Rank:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2024).