



sensors



an Open Access Journal by MDPI

Applications of Fluorescent Chemical Sensors and Photocatalytic Materials in Environmental Monitoring and Remediation

Guest Editor:

Prof. Dr. Baozhu Tian

School of Chemistry and
Molecular Engineering, East
China University of Science and
Technology, Shanghai 200234,
China

Deadline for manuscript
submissions:

25 October 2024

Message from the Guest Editor

Dear Colleagues,

With the rapid development of industrialization, the increasingly extensive release of environmental pollutants (antibodies, pesticides, heavy metal ions, pathogens, etc.) has become an issue that poses a severe threat to human health and ecological safety. This Special Issue aims to showcase original research papers on chemical fluorescent sensors and photocatalytic materials used for the detection/remediation of environmental pollutants. These materials include organic materials, inorganic materials, polymers, hybrid materials, and so on, while the applications consist of the detection and remediation of the environmental pollutants in water, air, and soil. Topics may include, but are not limited to:

- fluorescent sensors
- fluorescence imaging
- photocatalytic materials
- photocatalytic degradation
- sensing/decomposing of antibodies
- sensing/eliminating of pesticides
- sensing/eliminating of organic contaminants
- sensing/eliminating of toxic metals (metal ions)
- sensing eliminating of pathogens
- sensing/eliminating of air pollutants

For more information, please visit: mdpi.com/si/179874



mdpi.com/si/179874

Prof. Dr. Baozhu Tian
Guest Editor

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)