



Gas Sensors Based on Inorganic Materials

Guest Editors:

Dr. Wenjun Yan

Department of Chemical and
Biological Engineering, Zhejiang
University, Hangzhou 310027,
China

Dr. Yuxiang Qin

School of Microelectronics,
Tianjin University, Tianjin 300072,
China

Dr. Wenpeng Liu

Department of Medicine,
Brigham and Women's Hospital,
Harvard Medical School, Boston,
MA 02115, USA

Deadline for manuscript
submissions:

closed (25 August 2023)

Message from the Guest Editors

Dear Colleagues,

Gas sensors play an important role in various fields, such as environmental monitoring, personal safety, medical diagnosis, and industrial control. Semiconductor gas sensors based on inorganic materials, such as metal oxides, carbon nanotubes, graphene, metal sulfides and MXene, have been widely studied and applied. Nevertheless, the high operating temperatures, poor selectivity, compliance to harsh environments, reproducibility for real applications, and intelligentization remain issues for semiconductor gas sensors. *Inorganics* created this Special Issue to collect the latest research works in the field of inorganic material-based gas sensors concerning the improvement of humidity tolerances, stability, low operating temperatures, quick response/recovery processes, low detection limits and intelligentization. All analytical works on gas sensing mechanisms are also welcome. Both original research papers and review articles will be considered for publication.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Duncan H. Gregory
School of Chemistry, University of
Glasgow, University Avenue,
Glasgow G12 8QQ, UK

Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and *Inorganics* offers authors the opportunity to publish exciting new research in an open access format.

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), CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Chemistry, Inorganic and Nuclear*) / CiteScore - Q2 (*Inorganic Chemistry*)

Contact Us

Inorganics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/inorganics
inorganics@mdpi.com
X@inorganics_MDPI