inorganics

an Open Access Journal by MDPI

IMPACT FACTOR 3.1

CITESCORE 2.8

Colorimetric and Fluorescent Chemosensors for Metal Ions

Guest Editors:

Dr. Mireille Vonlanthen
Instituto de Investigaciones en Materiales, Universidad Nacional Autónoma de México, Circuito Exterior, Ciudad Universitaria, México City CP 04510, Mexico

Dr. Fabián Cuétara-Guadarrama
Instituto de Investigaciones en Materiales, Universidad Nacional Autónoma de México, Circuito Exterior, Ciudad Universitaria, México City CP 04510, Mexico

Prof. Dr. Ernesto Rivera
Instituto de Investigaciones en Materiales, Universidad Nacional Autónoma de México, Circuito Exterior, Ciudad Universitaria, México City CP 04510, Mexico

Deadline for manuscript submissions:
closed (20 July 2023)

Message from the Guest Editors

Dear Colleagues,

Colorimetric as well as fluorescent chemosensors are powerful tools for the detection of trace amounts of metal ions by simple optical methods. For this purpose, chemosensors that are capable of signal transduction need to be developed. Chemosensors for metal ions are built from an ionophore and a chromophore linked together by a spacer. The key features in the development of chemosensors are the reversible and selective binding of the targeted metal ion to the ionophore and the switch between two different states in the optical properties of the chromophore. The advantages of colorimetric and fluorescent chemosensors are high sensitivity and selectivity, quick response time, naked-eye visualization and versatility. The targeting of metal ions is of great interest for medicinal, biological, as well as environmental remediation applications. This Special Issue, named "Colorimetric and fluorescent chemosensors for metal ions", will include cutting-edge research and review articles in this emerging and fascinating field. Authors from interdisciplinary backgrounds are encouraged to contribute to this Special Issue.

inorganics

IMPACT FACTOR 3.1

CITESCORE 2.8

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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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