



## Transition Metal Complexes for Catalytic and Energy Application

Guest Editor:

**Prof. Dr. Bangbo Yan**

Department of Chemistry,  
Western Kentucky University,  
1906 College Heights Blvd.,  
Bowling Green, KY, USA

Deadline for manuscript  
submissions:

**31 May 2024**

### Message from the Guest Editor

Dear Colleagues,

The need for clean and renewable energy sources is one of the driving forces for developing transition metal complex chemistry. Studies on the design, structures, and catalytic mechanisms of new transition metal complexes as catalysts in energy applications are essential for advancing coordination chemistry and exploring new catalysts. In recent years, there has been significant progress in transition metal complex-based catalysts for energy-related reactions such as light-driven carbon dioxide reductions and catalytic water splitting. One can design and tailor the molecular structures of metal complexes to target certain desired functionality.

This Special Issue covers the most recent advances in the catalytic and energy applications of transition metal complexes by presenting a mix of original research articles and critical reviews.





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 & 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](http://www.mdpi.com)

[mdpi.com/journal/inorganics](http://mdpi.com/journal/inorganics)  
[inorganics@mdpi.com](mailto:inorganics@mdpi.com)  
[X@inorganics\\_MDPI](https://twitter.com/inorganics_MDPI)