



Platinum Group Metal Complexes as Luminescent Materials

Guest Editors:

Dr. Svetlana A. Katkova

Institute of Chemistry, St.
Petersburg University, 7/9
Universitetskaya Nab., Saint
Petersburg 199034, Russia

Dr. Julia R. Shakirova

Institute of Chemistry, St.
Petersburg University, 7/9
Universitetskaya Nab., Saint
Petersburg 199034, Russia

Deadline for manuscript
submissions:

closed (31 March 2024)

Message from the Guest Editors

Dear Colleagues,

Recently, luminescent complexes of platinum group metals have attracted much attention because of their intriguing spectroscopic and luminescent properties. Whereas organic light emitters are predominantly fluorescent, in such compounds, the presence of strong spin–orbit coupling due to the effect of a heavy atom—a metal center—contributes to the formally forbidden transition from the singlet to the triplet state, enabling phosphorescent relaxation, which leads to the longer lifetime of the excitation state in microsecond domains and higher photoluminescence quantum yields. In particular, the luminescent materials based on platinum group metal complexes have a broad range of applications in the fields of light-emitting devices, luminescent chemosensors, bioimaging agents, and photocatalysis.

In this Special Issue, we will cover the most recent advances in luminescent materials based on platinum group metal complexes by including 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

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