Special Issue

Inorganic Luminescent Materials: From Fundamental to Applications

Message from the Guest Editors

Inorganic luminescent materials are substances which convert an incident energy input into the emission of electromagnetic waves in the ultraviolet (UV), visible or infrared regions of the spectrum. In the last decades, a large number of luminescent materials based on rare-earth ions or rare-earth based host lattices has been invented. They are applied widely. Major applications are in emissive displays, fluorescent lamps and LEDs and systems to detect X-rays or □-rays, for example, used in medical imaging. The aim of the special issue is to highlight some new advances in the field of inorganic luminescent materials, from fundamental aspects through to applications. Both comprehensive review or original papers on basic research or applied technology of promising luminescent materials are welcomed.

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Deadline for manuscript submissions

closed (31 December 2021)

Molecules

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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