Special Issue

Recent Advances in Organic Luminescent Materials

Message from the Guest Editors

Organic luminescent materials have unique optical properties and have been widely used in sensing, imaging, diagnosis, treatment, and photoelectric fields. This Special Issue aims to collect the latest research papers on theoretical research and practical applications of organic luminescent materials.

Topics of interests for this Special Issue include (but are not limited to) the following:
Synthesis and functionalization of luminescent nanoparticles (carbon quantum dots, upconversion nanoparticles, etc.);
Understanding the reaction mechanism of luminescent materials;
Luminescent sensing (ions, small molecules, biomolecules, temperature, and pH, etc.);
Development and optimization of luminescent probes for biosensing, imaging and theranostics;
Applications in the areas of energy, environment, medicine, and biology.

We hope that this Special Issue will bring together researchers from different fields to share their latest findings and insights on luminescent materials, and ultimately advance this exciting research area.

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Message from the Editor-in-Chief

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).