

Special Issue

Nanomaterials for Photonic Device and Light–Energy Conversion

Message from the Guest Editors

Nanomaterials of semiconductors and metals have important applications in a wide range of fields, including optical information, displaying, biosensors, photocatalysis, and solar energy conversion, thanks to their excellent charge transport, tunable light absorption, and highly efficient photon–electron conversion. The aim of this Special Issue is to collect original research papers and review articles focused on the following issues: (i) the preparation and application of novel perovskite nanocrystals and thin films in solar cells in photodetectors; (ii) the synthesis and application of plasmonic nanometals in photonic devices and spectrography; the synthesis and application of nanosemiconductors with efficient photocharge separation for photocatalysis.

Guest Editors

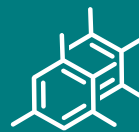
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Deadline for manuscript submissions

closed (31 March 2022)



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About the Journal

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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