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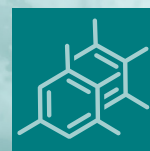


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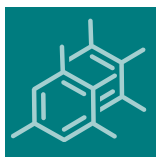


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Section
Photochemistry



Section Editor-in-Chief

Dr. Pierre Pichat

Section “Photochemistry”

This section of *Molecules* (ISSN 1420-3049) will provide an open platform for research into all aspects of photochemistry. The subject stands as the principal artery into the heart of interactions of UV, visible, and IR radiation with molecules and materials. Photochemistry has important associations across a wide spectrum of science including physics, organic and inorganic chemistry, materials science, biology and medicine. Photochemical transformations of molecules may be constructive or degradative and are often quite distinct from conventional thermal ones. Absorption of matching radiation can enable large activation barriers to be readily surmounted and thermally disfavoured products to be accessed. The Sun delivers a huge gift of green energy every day to planet Earth's surface. About 50% of this is in the UV and visible wavelength range. Photochemistry is therefore in the forefront of the huge environmental challenges of sustainability, energy harnessing and energy conversion. This Photochemistry section of *Molecules* will showcase the latest advances, developments and applications in all these important spheres.

Topics of interest include but are not limited to:

- organic photochemistry
- synthetic photochemistry
- photocatalysis
- photofunctionalization
- photobiology
- medicinal photochemistry
- computational photochemistry
- photoelectrochemistry
- solar energy conversion
- condensed and gas phase photochemistry
- polymer photochemistry
- supramolecular photochemistry

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