Special Issue

Study of Visible Light-Promoted Fluoroalkylation Reactions

Message from the Guest Editor

This Special Issue highlights the value of visible light-promoted fluoroalkylation reactions in synthetic chemistry for the synthesis of new compounds in various fields. These reactions offer advantages such as gentler reaction conditions, improved selectivity, and sustainability. The issue showcases the latest advances in the field, including new photosensitizers, fluoroalkylating agents, and optimized reaction conditions that can accelerate the development of useful molecules. Articles and reviews are invited on topics such as novel photosensitizers, exploration of different fluorinated agents, investigation of reaction mechanisms, optimization of reaction conditions, green and sustainable methods, application of fluoroalkylation reactions in drug synthesis and materials science, and integration with other synthetic methodologies for rapid synthesis of complex molecules.

Guest Editor

Prof. Dr. Jian Hao

Department of Chemistry, Shanghai University, 99 Shangda Road, Shanghai 200444, China

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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