Special Issue

Selective Functionalization of C-H Bonds

Message from the Guest Editor

The functionalization of C–H bonds has witnessed rapid development over the past two decades. It has become a powerful tool for chemists to forge C–X bonds in a totally untraditional way; a wide range of chemical bonds (e.g., C–C, C–O, C–N, C–halogen, C–B, C–Si, etc.) can be formed from C–H bonds. Applications of this technology are common in the syntheses of natural products, pharmaceutical agents, and materials. In addition to extensive investigations on the functionalizations of C–H bonds, studies on the selectivity of C–H functionalization have also garnered great interest. The goal of this Special Issue is to collect original research papers and review articles devoted to all aspects of the selective functionalization of C–H bonds, which can occur either by transition metal-catalyzed pathways or radical processes.

Guest Editor

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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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