Special Issue

Application of Photocatalysts in Organic Synthesis

Message from the Guest Editors

A fundamental aim in the field of catalytic synthesis is the development of new modes of small molecule activation. One approach toward this target that has received much attention recently is light-driven photoredox catalysis. In a general sense, this approach relies on the ability of photocatalysts to engage in electron or energy transfer processes with organic substrates upon photoexcitation. In this Special Issue, we focus our attention on the photocatalysts applied in organic synthesis to discuss different functions and activation modes of diverse kinds of photocatalysts, such as transition-metal complexes, organic dyes, MOFs, COFs, POMs, perovskites, zeolites, metal nanoparticles, etc.

Guest Editors

Dr. Yunhe Jin

Dr. Xiaobo Yang

Dr. Hao Xu

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

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Prof. Dr. Keith Hohn
Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS, USA

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