Special Issue

Researches on Photonics and Plasmonics

Message from the Guest Editor

In light–matter interactions at the nanoscale, every photon is precious. To understand these interactions will be a critical step in designing and engineering advanced photonic and plasmonic materials and molecules that can efficiently harness photons for a plethora of applications, including chemical sensing and biosensing, energy harvesting and storage, telecommunications, catalysis and synthesis of chemicals, medical imaging and therapy, photonics and optoelectronics, and environmental remediation. Recent decades have witnessed an extensive research activity into the precise engineering of plasmonic and photonic materials and molecules, from fundamental studies to applied science. This Special Issue is dedicated to recent research advances in photonic and plasmonic materials and molecules. The broad and interdisciplinary applicability of these materials will be of profound and immediate interest for a broad audience, ranging from physicists, chemists, engineers, and material scientists.

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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