Special Issue

Design, Synthesis and Applications of Advanced Materials towards “Low-Carbon” Goals

Message from the Guest Editors

Triggered by serious CO2 pollution, a series of active investigations have been carried out on reaching the “Low-Carbon” goals. Of course, by only limiting the emissions of CO2, the ambitious goals have hardly been realized. Recently, there have been many promising proposals, mainly consisting of reducing the application of fossil fuels with the development of clean energy, improving the processing efficiency whilst decreasing energy consumption and so on. Therefore, the combination of short materials processing and optimized advanced materials is highly desirable to achieve the “Low-Carbon” goals. This Special Issue will focus on the design, synthesis and application of advanced materials towards the “Low-Carbon” goal in mineral processing and advanced energy materials. We welcome all contributions that report on experimental and/or theoretical studies aiming for a greater understanding and the improvement of advanced materials with considerable “Low-Carbon” advantages.

Guest Editors

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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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