



Recent Advances in Covalent Organic Frameworks

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Message from the Guest Editor

Dear Colleagues,

Over the past decade, great efforts have been invested in developing covalent organic frameworks (COFs). Due to their notable intrinsic features, such as a predesignable and highly order structure, low density, exceptional stability, high surface area, and readily adjustable pore size and chemical environment, COFs have been proposed as ideal materials for wide-ranging applications, including in gas adsorption and separation, optoelectronics, drug delivery, heterogeneous catalysis, sensing, and energy storage. In addition, due to COFs' processability, COF-based composites/devices, including membranes, films, electrodes, etc., have recently received substantial attention.

This Special Issue is inspired by the growing interest and application of COFs and aims to identify and review the recent developments and breakthroughs in these fields. We invite original contributions as well as review articles relating the synthesis, characterization, and application of COFs and hope to provide new insights and ideas that prompt the further development of COFs.





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Message from the Editor-in-Chief

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