



## Functional Porous Frameworks: Synthesis, Properties, and Applications

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### Message from the Guest Editor

Functional porous materials, including mesoporous silica, zeolites, periodic mesoporous organosilicas (PMOs), metal–organic frameworks (MOFs), covalent organic frameworks (COFs), hydrogen-bonded organic frameworks (HOFs), and porous organic polymers (POPs), have garnered significant interest over the past two decades owing to their distinctive properties and versatile applications. A plethora of synthetic strategies has been developed for the purpose of tailoring the pore sizes, structures, shapes, and functionalities of these materials. With their well-defined structures and high surface areas, these materials have been extensively explored for applications such as gas storage, catalysis, drug delivery, separations, environmental remediation, sensor technology, and beyond.

This Special Issue aims to highlight the latest advancements in the synthesis, characterization, properties, and applications of functional porous frameworks.





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## Message from the Editor-in-Chief

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