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Investigation of Structure and Properties of Porous Materials

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Message from the Guest Editors

Porous materials possess a significant specific surface area, a well-defined pore structure, adjustable active sites, and functional components. They play crucial roles in various industries such as petrochemicals, catalysts, adsorption separators, and ion exchange materials. In recent years, porous functional materials have also demonstrated significant potential in sustainable development areas such as renewable energy generation and environmental governance. Based on this, this Special Issue focuses on the investigation of the structure and properties for porous materials. Topics of interest include, but are not limited to, the following:

(i) Nanoarchitecture design of nanoporous materials.

(ii) Deepening the investigation of their structure–composition–property relationships.

(iii) Exploring their applications in various fields, encompassing batteries, catalysis, water treatment, sensing and energy storage, and photonic devices.

We are inviting you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

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Message from the Editor-in-Chief

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