Special Issue

Synthesis and Properties of Functional Organic Porous Materials

Message from the Guest Editors

Porous organic materials refer to hydrocarbons that include pores (voids). Functional porous organic materials with intrinsic periodic (sub) nanometric pores include, but are not limited to, microporous zeolites, metal–organic frameworks, covalent organic frameworks, conjugated microporous polymers, porous aromatic frameworks, porous organic cages, and covalent triazine frameworks, which have found wide applications (such as in adsorption and separation, catalysis, energy storage and conversion, drug delivery, etc.) because of their excellent adsorption, separation, ion-exchange, and catalytic properties. This Special Issue aims to encompass the recent significant breakthroughs and the innovativel functions and practices in the field of porous organic materials to find useful applications and imparts a comprehensive understanding of the strategic evolution of the design and synthetic approaches of porous organic materials with tunable characteristics. We expect that these joint endeavors will provide insightful guidelines for the advancement of functional porous organic materials.

Guest Editors

Prof. Dr. Hongpeng Li

School of Mechanical Engineering, Yangzhou University, Yangzhou 225127, China

Prof. Dr. Haibo Huang

College of Materials Science and Engineering, Northeast Forest University, Harbin 150000, China

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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