



MICROPOROUS AND MESOPOROUS MATERIALS

The Official Journal of the [International Zeolite Association](#)

AUTHOR INFORMATION PACK

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DESCRIPTION

Microporous and Mesoporous Materials covers novel and significant aspects of **porous solids** classified as either **microporous** (pore size up to 2 nm) or **mesoporous** (pore size 2 to 50 nm). The **porosity** should have a specific impact on the material properties or application. Typical examples are **zeolites** and zeolite-like materials, **pillared** materials, **clathrasils** and **clathrates**, **carbon molecular sieves**, ordered mesoporous materials, organic/inorganic porous **hybrid materials**, or porous **metal oxides**. Both natural and synthetic porous materials are within the scope of the journal.

Topics which are particularly of interest include:

All aspects of natural microporous and mesoporous solids
The synthesis of crystalline or amorphous porous materials
The physico-chemical characterization of microporous and mesoporous solids, especially spectroscopic and microscopic
The modification of microporous and mesoporous solids, for example by ion exchange or solid-state reactions
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Adsorption (and other separation techniques) using microporous or mesoporous adsorbents
Catalysis by microporous and mesoporous materials
Host/guest interactions
Theoretical chemistry and modelling of host/guest interactions
All topics related to the application of microporous and mesoporous materials in industrial catalysis, separation technology, environmental protection, electrochemistry, membranes, sensors, optical devices, etc.

The journal publishes original research papers, short communications, review articles and letters to the [editor](#).

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INTRODUCTION

Microporous and Mesoporous Materials covers novel and significant aspects of **porous solids** classified as either **microporous** (pore size up to 2 nm) or **mesoporous** (pore size 2 to 50 nm). The porosity should have a specific impact on the material properties or application. Typical examples are **zeolites** and **zeolite-like materials, pillared materials, clathrasils and clathrates, carbon molecular sieves, ordered mesoporous materials, metal-organic frameworks, organic/inorganic porous hybrid materials, porous polymers, or porous metal oxides**. Textural porosity and the generation of activated carbons by means of conventional methods are not within scope. However, both **natural and synthetic porous materials** are within the scope of the journal. Cover letters should describe how your submitted work scientifically advances the understanding of porosity and/or porous materials.

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[2] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, Heliyon 19 (2018) e00205, <https://doi.org/10.1016/j.heliyon.2018.e00205>.

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[3] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

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[4] G.R. Mettam, L.B. Adams, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age, E-Publishing, Inc.* New York, 2009, pp. 281–304.

Reference to a website:

[5] Cancer Research UK, *Cancer statistics reports for the UK*. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

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