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.

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- The modification of microporous and mesoporous solids, for example by ion exchange or solid-state reactions
- All topics related to diffusion of mobile species in the pores of microporous and mesoporous materials
- 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.

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INTRODUCTION

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