

Characterization of porous solids

Elsevier - Pore classification in the characterization of porous materials: A perspective



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Pore classification in the characterization of porous materials: A perspective

The results reported here also support the use of new, semi-empirical alternatives to the Washburn Equation to analyze raw mercury porosimetry data, rather than the traditional approach.

Journal of Porous Materials

However, in this work it has been shown that the already extensive capabilities of MFX imaging may be even further enhanced by a combination of it with the more traditional techniques of mercury porosimetry and nitrogen sorption. As well as insights into state-of-the-art research, an indication of the likely directions of future developments is also given. The understanding and development of the unique properties of porous materials relies on a unique blend of multidisciplinary knowledge covering material science, with the implication of organic and colloid chemistry, to prepare micro- and mesoporous materials; surface and adsorption sciences sustained by theory and modelling to understand the peculiar behaviour of molecules in confined systems; special branches of catalysis, physics, chemical engineering and life science to design novel applications.

Characterisation of Porous Solids VIII (RSC Publishing)

Written by leading international specialists in the subject, the contributions represent an up-to-date and authoritative account of recent developments around the world in the major methods used to characterize porous solids. This book contains 99 of the papers that were presented at the 6th in the series of Symposia on Characterization of Porous Solids held in Alicante, Spain, May 2002. However, all this activity is in urgent need of a critical appraisal.

Recommendations for the characterization of porous solids (Technical Report)

The Journal of Porous Materials is an international, interdisciplinary periodical focused on the rapid publication of high quality, peer-reviewed papers on synthesis, processing, characterization and evaluation of all porous materials. ETAS items are listed as print-only in our catalogue.

Characterization of Porous Solids VI, Volume 144

Characterization of catalyst pore structure by parameters describing mass transport P. To improve the meaningfulness of derived properties and to

minimize statistical uncertainties, practical recommendations and guidelines are proposed for experimental operation variables and data analysis.

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