

POSTER SESSION I

Wednesday June 12, 2002
Montpetit Hall, 19:00-21:30

Modified Silicates

- 90** Modification of Al-MCM-41 Mesoporous Molecular Sieves by Dry-Gel Conversion Method
Guoliang Wang, Xiaoming Zhang, Jishuan Suo and Shuben Li
- 91** Synthesis and Characterization of Methyl- and Vinyl-Functionalized Ordered Mesoporous Silicas with High Organic Content Conversion Method
Tewodros Asefa, Michal Kruk, Mietek Jaroniec and Geoffrey A. Ozin
- 92** Mesoporous Surfactant-Silicate Nanocomposites
A. Sayari, M. Kruk and M. Jaroniec
- 93** Triblockcopolymer Assisted Synthesis of Periodic Mesoporous Organosilicas (PMOs) with Large Pores.
Olaf Muth, Carsten Schellbach, Vivian Rebbin and Michael Fröba
- 94** Direct Surface Modification of Acid-Treated MCM-41 and MCM-48 Mesoporous Silicas
Hong-Ping Lin, Pei-Chung Shin, Yi-Hsin Liu, Shang-Bin Liu and Chung-Yuan Mou
- 95** Mesoporous Aluminosilicates from Coal Fly Ash
P. Kumar, Y. Oumi, T. Sano and K. Yamana
- 96** Characteristics of [Ti,Al]-MCM-41 Mesoporous Molecular Sieves: Effect of Aluminum Source
Der-Shing Lee and Tsung-Kwei Liu
- 97** Ordered SBA Mesoporous Silica Containing Phosphonic acid Groups Prepared by Using the Direct Synthetic Approach
Ahmad Mehdi, Robert Corriu, Lucien Datas, Yannick Guari, Catherine Reyé and Chloé Thieuleux
- 98** Synthesis and Characterization of Mesoporous Tin Silicate Molecular Sieve
Asim Bhaumik and Nawal Kishor Mal
- 100** Synthesis of Mesoporous Organic-Silica Hybrids with Crystal-like Pore Walls
Shinji Inagaki, Shiyoun Guan, Tetsu Ohsuna and Osamu Terasaki

Design of Mesoporous Silicates

- 102** Synthesis and Reactivity of Mixed-phase Microporous/Mesoporous Materials
Raja H.P.R. Poladi and Christopher C. Landry
- 103** Morphogenesis of Shapes in Mesoporous Molecular Sieves
Meng-Ta Chou and Yu-Wen Chen
- 104** Control of Pore Morphology in Mesoporous Silicas Synthesized from Triblock Co-Polymer Templates
Kevin M. Ryan, Nicholas R. B. Coleman, Daniel M. Lyons, M. A. Morris and Justin D. Holmes
- 105** How to Control Pore Size in MSU-X Mesoporous Silica
Eric Prouzet, Cédric Boissière, Miriam Tokumoto, Marco Martinez, André Larbot
- 106** Novel Hierarchical Porous Silica Structures
Deepa Khushalani
- 107** Mechanistic Aspects of Crystallisation of Microporous Zeolites in a Macroporous Silica Substrate (Porous Na-B-Si-Glass)
W. Schwieger, M. Rauscher, F. Scheffler, D. Freude and R. Erfurt
- 109** Synthesis of Structure Directed Silica Materials using Lattice Monte Carlo Simulations
Flor R. Siperstein and Keith E. Gubbins
- 110** AASBU Approach for Predicting Inorganic Structures Built exclusively of Sodalite & D4H Cages
P. Pullumbi, S. Girard, C. Mellot-Draznieks and G. Férey

Characterization of Nanoporous Materials

- 111 Adsorption of Nitrogen on Organized Mesoporous Alumina
Jiri Cejka, Lenka Veselá, Jiri Rathouský and Arnošt Zukal
- 112 Advances in Adsorption Characterization of Regular Nanoporous Materials using Nonlocal Density Functional Theory (NLDFT).
Peter I. Ravikovitch and Alexander V. Neimark
- 113 Acid Properties of Ammonium Exchanged Al-MCM-41 with Different Si/Al Ratios
Antonio S. Araújo, Cristiane D.R. Souza, Marcelo J.B. Souza and Valter J. Fernandes Jr
- 114 Quasi One-dimensional Ne and H₂ Assembly in Single Crystalline AlPO₄-5 below 40 K
H. Tanaka, T. Kodaira, M. El-Mel-Merraoui, H. Kanoh and K. Kaneko
- 115 Studies of MCM-41 Obtained from Different Sources of Silica
Icaro S. Paulino and Ulf Schuchardt
- 116 Distribution of Aluminum Species in Alumina Multilayer Grafted inside the Mesopores of MCM-41 according to AL FAM(II)-MQMAS NMR
A. Goldbourt, M.V. Landau and S. Vega
- 117 XPS Characterization of External Surface of Y-type Zeolite – Non-destructive in-depth Profiling using SR-XPS and Chemical State Identification by Auger Parameter
Koichi Sato, Yoichi Nishimura, Motoyasu Imamura, Nobuyuki Matsubayashi and Hiromichi Shimada
- 120 Adsorption of Some Monosaccharides on Pillared Clays
Eveline Popovici, Gh. Singurel, Alina Hanu and Marius G. Ivan

Supported Nanoparticles and Other Species

- 122 Using Au-Nanoparticles-Surfactant Aqueous Solution for a Convenient Preparation of Mesoporous Aluminosilicate Containing Au-Nanoparticles
Hong-Ping Lin, Yu-Shan Chi, Chen-Nan Lin, Chang-Yuan Mou and Ben-Zu Wang
- 123 Using Ultrasound Radiation for the Fabrication of Mesoporous Materials of Nanoparticles in the Mesopores
A. Gedanken
- 124 Preparation of Pd/Al-MCM-41 Catalysts and Its Hydroisomerization Properties for Long Chain Alkane Compounds
Shui Lin, Han Ning, Sun Wan-Fu, Liu Wei-Min and Xue Qun-Ji
- 125 Quantum Straws and Wires of Magnetic II/VI Semiconductors within Mesoporous MCM-41 Silica: Intrapore Formation and Characterization
Felix J. Brieler, Michael Fröba, Limei Chen, Peter J. Klar, Wolfram Heimbrod, Hans-Albrecht Krug von Nidda and Alois Loidl
- 126 Comprehensive Characterization of Iron Oxide Containing Mesoporous Molecular Sieve MCM-41
Zhong-Yong Yuan, Wuzong Zhou, Zhaoli Zhang and Lian-Mao Peng
- 127 Small Silver Clusters and Nanoparticles Assembled in Erionite: an Unexpected Optical Behavior
N.E. Bogdanchikova, V.P. Petranovskii, V.S. Gurin and G.V. Odegova
- 128 Reduction of Binary Silver-copper Ion Mixture in Mordenite: an Example of Synergetic Behavior
V.P. Petranovskii and N.E. Bogdanchikova
- 129 Adsorption of CO on Zn-Cu(I)/HMCM-41
Q. Shi, N.-H. He, F. Gao, Y. Song, Y. Yu and H. Wan

Non Catalytic Applications

- 130 Mesoporous Materials for Heavy Metal Ions Adsorption Synthesized by Displacement of Polymeric Template
V. Antochshuk, M. Jaroniec, S.H. Joo and R. Ryoo
- 131 A Comparison of Mesoporous and Macroporous Silicas as Stationary Phases for Gel Permeation Chromatography
Andrew G. Eklund and Christopher C. Landry
- 132 Molecular Sieve Silica (MSS) Membranes for Membrane Reactor Applications
J.C. Diniz da Costa and G.Q. (Max) Lu