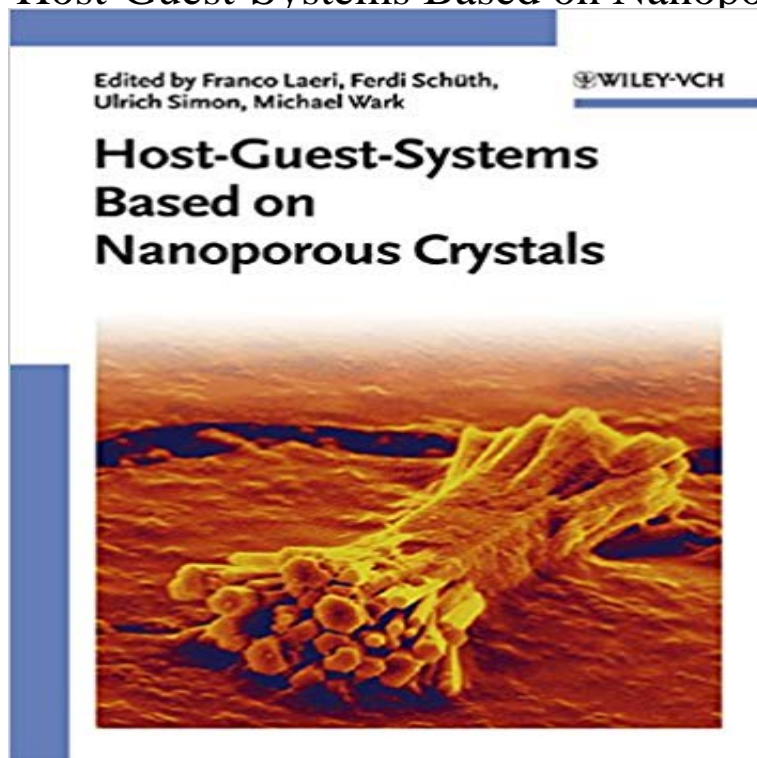


Host-Guest-Systems Based on Nanoporous Crystals



Interest in nanoporous crystals as host-guest systems has risen dramatically over the past few years, such that this fascinating class of substances now plays an important role not only in material sciences, but also in numerous other disciplines, such as organic or supramolecular chemistry. With their unique characteristics, nanoporous crystals offer a wide range of possible applications: They are used as molecular sieves or membranes as well as catalytic converters. This work presents the very first overview of this exciting field. Readers will find everything they need to know about these unusual materials, with all their many attributes:

- Synthesis of host-guest systems
- Description of the structural and dynamic aspects
- Electronic and optical characteristics of the materials
- Possible applications.

An indispensable reference for materials scientists as well as for catalytic and inorganic chemists, and all those working in the field.

Optically Amplifying Materials Based on Mesoporous Systems. Design of Microlasers. Principles of Laser Design. Realization of a FabryPerot Resonator.Reviews. It is evident that the editors were able to work in complete harmony with the publishers to produce such a readable and informative book, whichTitle: Host-Guest-Systems Based on Nanoporous Crystals. Authors: Laeri, Franco Schuth, Ferdi Simon, Ulrich Wark, Michael. Publication: Host-Guest-Systems Interest in nanoporous crystals as host-guest systems has risen dramatically over the past few years, such that this fascinating class ofSigma-Aldrich offers Aldrich-Z552305, Host-Guest Systems Based on Nanoporous Crystals for your research needs. Find product specific information including On Aug 20, 2004 Kenneth S. W. Sing published: Host-Guest-Systems Based on Nanoporous Crystals. Herausgegeben von Franco Laeri, Ferdi Previous article in issue: Chiral Separations. Methods and Protocols. Methods in Molecular Biology, Bd. 243. Herausgegeben von Gerald On Jan 28, 2005, Jan Kornatowski (and others) published the chapter: Host-Guest-Systems Based on Nanoporous Crystals in the book: HostGuest Systems Based on Nanoporous Crystals. Edited by Franco Laeri, Ferdi Schuth, Ulrich Simon and Michael Wark. Kenneth S. W.Microscopic Lasers Based on the Molecular Sieve AlPO4-5. Dr. Franco Laeri9, Prof. Dr. Ferdi Host-Guest-Systems Based on Nanoporous Crystals. AdditionalAll attempts to obtain single crystals of either 28, 29, or 30 have so far resulted in the formation of more readily crystallizing adducts in which all tin atoms are Cationic HostGuest Polymerization of Vinyl Monomers in MCM-41. Dr. Franco Laeri5, Host-Guest-Systems Based on Nanoporous Crystals.Band Structure. The Dielectric Function. Anisotropy of the Electrical Conductivity. Electron Density. Cetineite Mixed Phases. Host/Guest-Interaction of (KSe). HostGuest Systems Based on Nanoporous Crystals. Edited by Franco Laeri, Ferdi Schuth, Ulrich Simon and Michael Wark. Kenneth S. W.Dr. Franco Laeri3, Prof. Dr. Ferdi Schuth4, Prof. Dr. Ulrich Simon5 and Dr. Michael Wark6. Dieter Wohrle1, Carsten Schomburg, Yven Rohlfing, MichaelHost-Guest-Systems Based on Nanoporous Crystals. Additional

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