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Nota di contenuto	Catalysts for Fine Chemical Synthesis; Contents; Series Preface.; Preface to Volume 4; Abbreviations; 1 An Overview of Zeolite, Zeotype and Mesoporous Solids Chemistry: Design, Synthesis and Catalytic Properties; 1.1 Zeolites, zeotypes and mesoporous solids: synthetic aspects; 1.1.1 Introduction; 1.1.2 Synthetic aspects: template theory for zeolite synthesis; 1.1.3 Synthetic aspects: template theory for mesoporous oxides synthesis.; 1.2 Design of extra-large pore zeolites and other micro- and mesoporous catalysts; 1.2.1 Introduction; 1.2.2 Extra-large pore zeolites 1.2.3 Hierarchical pore architectures: combining micro- and mesoporosity.1.3 Potential of post-synthesis functionalized micro- and mesoporous solids as catalysts for fine chemical synthesis; 1.3.1 Introduction; 1.3.2 Covalent functionalization; 1.3.3 Noncovalent immobilization approaches; 1.3.4 Single-site catalysts inspired by

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## Sommario/riassunto

This series offers practical help for advanced undergraduate, graduate and postgraduate students, as well as experienced chemists in industry and academia working with catalysts in organic and organometallic synthesis. It features tested and validated procedures, authoritative reviews on classes of catalysts, and assessments of all types of catalysts. Micro- and Mesoporous Solid Catalysts describes the use of zeolites and mesoporous solids as catalysts for the production of fine and specialty chemicals. Specific tips and hints are provided and some typical procedures are described