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Titolo	Hierarchically structured porous materials : from nanoscience to catalysis, separation, optics, energy, and life science // edited by Bao-Lian Su, Clement Sanchez, and Xiao-Yu Yang
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Descrizione fisica	1 online resource (679 p.)
Altri autori (Persone)	SuBao-Lian SanchezClement YangXiao-Yu
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Introduction -- pt. 2. Synthesis strategies to hierarchically structured porous materials -- pt. 3. Emerging applications of hierarchically structured porous materials -- pt. 4. Conclusion.
Sommario/riassunto	This first book devoted to this hot field of science covers materials with bimodal, trimodal and multimodal pore size, with an emphasis on the successful design, synthesis and characterization of all kinds of hierarchically porous materials using different synthesis strategies. It details formation mechanisms related to different synthesis strategies while also introducing natural phenomena of hierarchy and perspectives of hierarchical science in polymers, physics, engineering,

biology and life science.Examples are given to illustrate how to design
an optimal hierarchically porous material
