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""Chapter 10: Modeling Adsorptive Separations Using Metal-Organic Frameworks""; ""Chapter 11: Computer Simulations of Ionic Metal-Organic Frameworks""; ""Chapter 12: Computational Modeling of Catalysis in Metal-Organic Frameworks""; ""Chapter 13: Modeled Catalytic Properties of MOF-Based Compounds""; ""Back Cover""

Sommario/riassunto

Metal-organic frameworks (MOFs) have emerged as a new family of nanoporous materials. With an enormous choice of inorganic/organic building blocks, MOFs possess a wide range of surface area, pore size, and functionality and, thus, have been considered versatile materials for many potential applications. This book presents a broad collection of rece
