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Sommario/riassunto	This book describes the design, synthesis, characterization and applications of porous organic frameworks (POFs). Special emphasis is placed on the utilization of porous materials for CO2 capture and CH4 and H2 storage, which have promising potential for addressing the issues of environmental degradation and climate change. It also includes two chapters introducing the properties of POFs and defining

the principles of synthesis, as well as a chapter dealing with post-modified POFs. This book is intended for those readers who are interested in porous materials and their applications. Guangshan Zhu is a professor at the College of Chemistry, Jilin University, China. .