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Nota di contenuto	Hydrogen Bonding-Controlled Photoinduced Electron and Energy Transfer -- Hydrogen Bonding in Supramolecular Nanoporous Materials -- Hydrogen Bonding for the Self-assembly of Organogels and Hydrogels -- Designing Charge-assisted Hydrogen Bonded Supramolecular Gelators -- Hydrogen Bonding for Supramolecular Liquid Crystals -- Hydrogen Bonding for Molecular, Macromolecular and Supramolecular Materials.
Sommario/riassunto	This book is an up-to-date text covering topics in utilizing hydrogen bonding for constructing functional architectures and supramolecular materials. The first chapter addresses the control of photo-induced electron and energy transfer. The second chapter summarizes the formation of nano-porous materials. The following two chapters introduce self-assembled gels, many of which exhibit unique functions. Other chapters cover the advances in supramolecular liquid crystals and the versatility of hydrogen bonding in tuning/improving the properties

and performance of materials. This book is designed to bring together in a single volume the most important and active fields of hydrogen bonding strategy for designing supramolecular materials. The book will be a valuable resource for graduates and researchers working in the fields of supramolecular chemistry and materials sciences. Zhan-Ting Li, PhD, is a Professor of Organic Chemistry at the Department of Chemistry, Fudan University, China Li-Zhu Wu, PhD, is a Professor of Organic Chemistry at the Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, China.
