

1. Record Nr.	UNISA996385246603316
Autore	Scobell Henry <d. 1660.>
Titolo	Memorials of the method and manner of the proceedings in Parliament in passing bills [[electronic resource]] : together with several rules and customs, which by long and constant practice have obtained the name of Orders of the House : gathered by observation, and out of the journal books, from the time of Edward 6 // by H.S.E. C.P
Pubbl/distr/stampa	London, : [s.n.], 1670
Descrizione fisica	[2], 116, [3] p
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Reproduction of original in Huntington Library. Tables of contents: p. [1]-[3] at end. Attributed to Henry Scobell. cf. BM.
Sommario/riassunto	eebo-0113

2. Record Nr.	UNINA9911020137803321
Titolo	Molecular recognition and polymers : control of polymer structure and self-assembly // edited by Vincent M. Rotello, S. Thayumanavan
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2008
ISBN	9786611752132 9781281752130 1281752134 9780470384053 0470384050 9780470384046 0470384042
Descrizione fisica	1 online resource (492 p.)
Altri autori (Persone)	RotelloVincent M ThayumanavanS (Sankaran)
Disciplina	547/.1226
Soggetti	Biomimetic polymers Molecular recognition Supramolecular chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	MOLECULAR RECOGNITION AND POLYMERS; CONTENTS; Preface; Acknowledgments; List of Contributors; List of Figures; List of Tables; Editor Biographies; PART I FUNDAMENTALS OF SUPRAMOLECULAR POLYMERS; 1. A BRIEF INTRODUCTION TO SUPRAMOLECULAR CHEMISTRY IN A POLYMER CONTEXT; 1.1. Introduction and Background; 1.2. Main-Chain Versus Side-Chain Supramolecular Polymers; References; 2. MOLECULAR RECOGNITION USING AMPHIPHILIC MACROMOLECULES; 2.1. Introduction; 2.2. Amphiphilic Block Copolymers; 2.2.1. Nonspecific Interactions; 2.2.2. Specific Interactions; 2.3. Amphiphilic Homopolymers 2.3.1. Container Properties2.3.2. Recognition of Protein Surfaces; 2.3.3. Protein Sensing; 2.3.4. Recognition and Detection of Peptides; 2.4. Amphiphilic Dendrimers; 2.5. Conclusions; Acknowledgment; References; 3. SUPRAMOLECULAR CONTROL OF MECHANICAL

PROPERTIES IN SINGLE MOLECULES, INTERFACES, AND MACROSCOPIC MATERIALS; 3.1. Introduction and Background; 3.2. Mechanical Properties of Linear SPs; 3.3. Mechanical Properties of SP Networks; 3.4. Mechanical Properties in SPs at Interfaces; 3.5. Mechanical Forces and Supramolecular Interactions; 3.6. Conclusions; References
PART II POLYMER FORMATION AND SELF-ASSEMBLY
4. HYDROGEN BOND FUNCTIONALIZED BLOCK COPOLYMERS AND TELECHELIC OLIGOMERS; 4.1. Scientific Rationale and Perspective; 4.2. Hydrogen Bonding Interactions in Macromolecular Design; 4.2.1. Fundamentals of Hydrogen Bonding; 4.2.2. Performance Advantages of Hydrogen Bond Containing Polymers; 4.3. Hydrogen Bond Containing Block Copolymers; 4.3.1. Block Copolymers Involving Single Hydrogen Bonding Groups; 4.3.2. Nucleobase Containing Hydrogen Bonding Block Copolymers; 4.3.3. Block Copolymers Containing DNA Oligonucleotides 4.3.4. Block Copolymers Containing Other Hydrogen Bonding Arrays
4.3.5. Order-Disorder Transitions (ODTs) in Hydrogen Bonding Block Copolymers; 4.4. Telechelic Hydrogen Bond Functional Polymers; 4.5. Combining Hydrogen Bonding with Other Noncovalent Interactions; 4.6. Reversible Attachment of Guest Molecules via Hydrogen Bonding; 4.7. Conclusions and Summary; References; 5. NONCOVALENT SIDE CHAIN MODIFICATION; 5.1. Introduction; 5.1.1. Supramolecular Polymers; 5.2. Strategies Toward Noncovalent Side Chain Functionalization of Polymeric Scaffolds
5.2.1. Side Chain Functionalization Using Hydrogen Bonding
5.2.2. Side Chain Functionalization Using Metal Coordination; 5.2.3. Side Chain Functionalization Using Coulombic Interactions; 5.3. Noncovalent Multifunctionalization of the Side Chains of Polymeric Scaffolds; 5.3.1. Combination of Hydrogen Bonding and Metal Coordination Interactions; 5.3.2. Combination of Hydrogen Bonding and Coulombic Charges; 5.3.3. Multiple Hydrogen Bonding Interactions: Self-Sorting on Polymers
5.3.4. Terpolymer Functionalization Strategies: Combining Hydrogen Bonding, Metal Coordination, and Pseudorotaxane Formation

Sommario/riassunto

State-of-the-art techniques for tapping the vast potential of polymers
The use of specific non-covalent interactions to control polymer structure and properties is a rapidly emerging field with applications in diverse disciplines. Molecular Recognition and Polymers covers the fundamental aspects and applications of molecular recognition-in the creation of novel polymeric materials for use in drug delivery, sensors, tissue engineering, molecular imprinting, and other areas. This reference begins by explaining the fundamentals of supramolecular polymers; it progresses to cover poly

3. Record Nr.	UNIORUON00001820
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Formato	Materiale a stampa
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Note generali	Mensile con num. speciali.