1. Record Nr. UNINA9910830060703321

Titolo	Host-guest molecular interactions [[electronic resource]] : from chemistry to biology
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 1991
ISBN	1-282-34771-3 9786612347719 0-470-51408-6 0-470-51409-4
Descrizione fisica	1 online resource (290 p.)
Collana	Ciba Foundation symposium ; ; 158
Disciplina	574.19 574.19245 574.88
Soggetti	Ligand binding (Biochemistry) Drugs - Design Protein engineering Protein binding
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Proceedings of the Symposium on Host-Guest Molecular Interactions: from Chemistry to Biology held at the Ciba Foundation, London, Jul. 3-5, 1990.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	HOST-GUEST MOLECULAR INTERACTIONS: FROM CHEMISTRY TO BIOLOGY; Contents; Introduction; Molecular self-assembly processes; Self-assembly in supramolecular systems; General discussion I : Flexibility or rigidity?; Host-guest interactions in thin membranes: selective ion transport and transduction into electronic signals; Molecular recognition and molecular sensors; The natural design of vancomycin family antibiotics to bind to their target peptides; General discussion II : Crystals as supramolecules; Molecular devices and sensors; Clefts as receptor and enzyme analogues; Enzyme mimics Binding of antibiotics to DNADesign of sequence-specific bifunctional nucleic acid ligands; Synthesis and biochemical studies of dithioate DNA; Conformational flexibility and protein specificity; Protein design: template-assembled synthetic proteins; General discussion III

	Transition state theory and energy requirements for reaction; Binding of peptides to proteins: an exercise in molecular design; Involvement of water in host-guest interactions; Molecular modelling approaches to host-guest complexes; Summing-up; Index of contributors; Subject index
Sommario/riassunto	Composed of contributions from experts in the chemical and biological sciences, it explores host-guest molecular interactions leading to the formation of molecular assemblies containing two or more species. Exciting applications are emerging in this field and it is expected that improved understanding of the interactions in synthetic host molecule complexes will lead to a better understanding of the more complex biological systems. Topics include biomimetic chemistry, preorganization, self-assembly, template-directed synthesis, antibiotic binding to peptides and DNA, interactions between prote

2.

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Autore	Alpa, Guido
Titolo	1. Persone e rapporti familiari / Guido Alpa, Mario Bessone, Vincenzo Carbone
Pubbl/distr/stampa	Milano, : A. Giuffrè, 1993
ISBN	978-88-14-04093-1
Edizione	[3. ed]
Descrizione fisica	X, 333 p. ; 24 cm
Altri autori (Persone)	Bessone, Mario Carbone, Vincenzo
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia