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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

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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

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