

1. Record Nr.	UNIORUON00064071
Titolo	Art Islamique : Dans les collections privées libanaises. Exposition organisée par le Musée Nicolas Sursock du 31 mai au 15 juillet, 1974. Sous le haut patronage de son Excellence Monsieur Suleiman Grangié President de la Republique Libanaise
Pubbl/distr/stampa	Beyrouth, : [s.n.], 1974
Descrizione fisica	1 v. ; 26 cm
Classificazione	ARA IX L
Soggetti	ARTE ISLAMICA
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNIORUON00208755
Autore	Linz, Juan J.
Titolo	Problems of democratic transition and consolidation : southern Europe, south America, and post-communist Europe / J.Juan Linz ; Alfred Stepan
Pubbl/distr/stampa	Baltimore, : John Hopkins University Press, 1997. 479 p. ; 24 cm.
ISBN	08-01-85158-0
Altri autori (Persone)	Stepan, Alfred
Soggetti	Comunismo - Studi
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr.	UNINA9910953530803321
Titolo	Computational approaches to biochemical reactivity // edited by Gabor Naray-Szabo and Arieh Warshel
Pubbl/distr/stampa	Dordrecht ; ; Boston, : Kluwer Academic, c1997
ISBN	1-280-20496-6 9786610204960 0-306-46934-0
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (392 p.)
Collana	Understanding chemical reactivity ; ; v. 19
Altri autori (Persone)	Naray-SzaboGabor WarshelArieh
Disciplina	572/.44/015118
Soggetti	Biochemistry - Mathematical models Enzyme kinetics Quantum biochemistry Ligand binding (Biochemistry) - Mathematical models
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	Quantum Mechanical Models for Reactions in Solution -- Free Energy Perturbation Calculations within Quantum Mechanical Methodologies -- Hybrid Potentials for Molecular Systems in the Condensed Phase -- Molecular Mechanics and Dynamics Simulations of Enzymes -- Electrostatic Interactions in Proteins -- Electrostatic Basis of Enzyme Catalysis -- On the Mechanisms of Proteinases -- Modelling of Proton Transfer Reactions in Enzymes -- Protein-Ligand Interactions.
Sommario/riassunto	A quantitative description of the action of enzymes and other biological systems is both a challenge and a fundamental requirement for further progress in our understanding of biochemical processes. This can help in practical design of new drugs and in the development of artificial enzymes as well as in fundamental understanding of the factors that control the activity of biological systems. Structural and biochemical studies have yielded major insights about the action of biological molecules and the mechanism of enzymatic reactions. However it is not entirely clear how to use this important information in a consistent and quantitative analysis of the factors that are responsible for rate

acceleration in enzyme active sites. The problem is associated with the fact that reaction rates are determined by energetics (i. e. activation energies) and the available experimental methods by themselves cannot provide a correlation - tween structure and energy. Even mutations of specific active site residues, which are extremely useful, cannot tell us about the totality of the interaction between the active site and the substrate. In fact, short of inventing experiments that allow one to measure the forces in enzyme active sites it is hard to see how can one use a direct experimental approach to unambiguously correlate the structure and function of enzymes. In fact, in view of the complexity of biological systems it seems that only computers can handle the task of providing a quantitative structure-function correlation.
