

1. Record Nr.	UNINA9910141446103321
Titolo	Protein-ligand interactions / / edited by Holger Gohlke
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, 2012
ISBN	9786613639820 9783527645961 3527645969 9781280662898 1280662891 9783527645947 3527645942 9783527645978 3527645977
Edizione	[1st ed.]
Descrizione fisica	1 online resource (361 p.)
Collana	Methods and principles in medicinal chemistry ; ; v. 53
Classificazione	CHE 802f CHE 820f CHE 825f 540 570 610 WD 5100
Altri autori (Persone)	GohlkeHolger
Disciplina	572.6 572/.6 615.19
Soggetti	Proteins Ligands (Biochemistry) Ligand binding (Biochemistry) Drugs - Structure-activity relationships Carrier proteins Ligands Proteins - pharmacokinetics Chemistry Techniques, Analytical - methods Carrier Proteins
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	pt. 1. Binding thermodynamics -- pt. 2. Learning from biophysical experiments -- pt. 3. Modeling protein-ligand interactions -- pt. 4. Challenges in molecular recognition.
Sommario/riassunto	Innovative and forward-looking, this volume focuses on recent achievements in this rapidly progressing field and looks at future potential for development. The first part provides a basic understanding of the factors governing protein-ligand interaction, followed by a comparison of the four key experimental methods (calorimetry, surface plasmon resonance, NMR and X-ray crystallography) used in generating interaction data. The second half of the book is devoted to in-silico methods of modeling and predicting molecular recognition and binding. Here, as elsewhere in the book, emphasis is placed