

1. Record Nr.	UNINA9910828100203321
Titolo	Advancing theory for kinetics and dynamics of complex, many-dimensional systems : clusters and proteins // edited by Tamiki Komatsuzaki, R. Stephen Berry, David M. Leitner ; series editors, Stuart A. Rice, Aaron R. Dinner
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2011
ISBN	1-283-20392-8 9786613203922 1-118-08782-8 1-118-08781-X 1-118-08783-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (266 p.)
Collana	Advances in chemical physics ; ; v. 145
Classificazione	VE 2300 UA 1024
Altri autori (Persone)	KomatsuzakiTamiki BerryR. Stephen <1931-2020.> LeitnerDavid M RiceStuart A DinnerAaron R
Disciplina	544.6
Soggetti	Molecular dynamics Microclusters 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 indexes.
Nota di contenuto	ADVANCING THEORY FOR KINETICS AND DYNAMICS OF COMPLEX, MANY-DIMENSIONAL SYSTEMS: CLUSTERS AND PROTEINS; Contents; Preface; Non-Markovian Theory of Vibrational Energy Relaxation and its Applications to Biomolecular Systems; Protein Functional Motions: Basic Concepts and Computational Methodologies; Non-Brownian Phase Space Dynamics of Molecules, the Nature of Their Vibrational States, and Non-RRKM Kinetics; Dynamical Reaction Theory Based on Geometric Structures in Phase Space; Ergodic Problems for Real Complex Systems in Chemical Physics; Author Index; Subject Index

Sommario/riassunto

This series provides the chemical physics field with a forum for critical, authoritative evaluations of advances in every area of the discipline. Volume 145 in the series continues to report recent advances with significant, up-to-date chapters by internationally recognized researchers.
