

1. Record Nr.	UNINA9910784970703321
Titolo	Chemical reactions in clusters [[electronic resource] /] / edited by Elliot R. Bernstein
Pubbl/distr/stampa	New York, : Oxford University Press, 1996
ISBN	0-19-756059-8 1-280-52745-5 9786610527458 0-19-535821-X 1-4294-0039-0
Descrizione fisica	1 online resource (272 p.)
Collana	Topics in physical chemistry
Altri autori (Persone)	BernsteinE. R (Elliot R.)
Disciplina	541.224 541.394
Soggetti	Chemical reaction, Conditions and laws of Microclusters Molecular dynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously issued in print: 1996.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Contributors; 1. Theoretical Approaches to the Reaction Dynamics of Clusters; 2. Weakly Bound Molecular Complexes as Model Systems for Understanding Chemical Reactions; 3. Dynamics of Ground State Biomolecular Reactions; 4. Photochemistry of van der Waals Complexes and Small Clusters; 5. Intermolecular Dynamics and Biomolecular Reactions; 6. Reaction Dynamics in Femtosecond and Microsecond Time Windows: Ammonia Clusters as Paradigm; 7. Magic Numbers, Reactivity, and Ionization Mechanisms in Ar[sub(n)]X[sub(m)] Heteroclusters; Index; A; B; C; D; E; F; G; H; I; K; L; M; N; O; P; Q; R ST; U; V; W; X
Sommario/riassunto	Covering important developments in the area of cluster chemistry, the chapters in this book all contain a heavy emphasis on theory, without which the detailed analysis of the spectroscopic and kinetic results would be compromised. The cluster reactions reviewed in this work include electron and proton transfer reactions, hot atom reactions,

vibrational predissociation, radical reactions and ionic reactions.
