1. Record Nr. UNINA9910830868103321

Titolo	State-selected and state-to-state ion-molecule reaction dynamics . Part 2 Theory [[electronic resource] /] / edited by Michael Baer, Cheuk-Yiu Ng
Pubbl/distr/stampa	New York, : J. Wiley, 1992
ISBN	1-282-34686-5 9786612346866 0-470-14140-9 0-470-14193-X
Descrizione fisica	1 online resource (578 p.)
Collana	Advances in chemical physics ; ; 82b
Altri autori (Persone)	NgC. Y <1947-> (Cheuk-Yiu) BaerM (Michael)
Disciplina	541.305 541.3723 541/.08
Soggetti	Molecular dynamics Ion exchange
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	STATE-SELECTED AND STATE-TO-STATE ION-MOLECULE REACTION DYNAMICS Part 2. Theory; CONTENTS; NONADIABATIC INTERACTIONS BETWEEN POTENTIAL ENERGY SURFACES THEORY AND APPLICATIONS; DIABATIC POTENTIAL ENERGY SURFACES FOR CHARGE-TRANSFER PROCESSES; MODEL POTENTIAL ENERGY SURFACES FOR INELASTIC AND CHARGE-TRANSFER PROCESSES IN ION-MOLECULE COLLISIONS; QUANTUM-MECHANICAL TREATMENT FOR CHARGE-TRANSFER PROCESSES IN ION-MOLECULE COLLISIONS; SEMICLASSICAL APPROACH TO CHARGE- TRANSFER PROCESSES IN ION-MOLECULE COLLISIONS; THE SEMICLASSICAL TIME-DEPENDENT APPROACH TO CHARGE-TRANSFER PROCESSES THE CLASSICAL TRAJECTORY-SURFACE- HOPPING APPROACH TO CHARGE- TRANSFER PROCESSESSTATISTICAL ASPECTS OF ION-MOLECULE REACTIONS; AUTHOR INDEX; SUBJECT INDEX
Sommario/riassunto	Nonadiabatic Interactions Between Potential Energy Surfaces: Theory

and Applications (B. Lengsfield & D. Yarkony). Diabatic Potential Energy Surfaces for Charge-Transfer Processes (V. Sidis). Model Potential Energy Surfaces for Inelastic and Charge-Transfer Processes in Ion-Molecule Collision (F. Gianturco & F. Schneider). Quantum-Mechanical Treatment for Charge-Transfer Processes in Ion-Molecule Collisions (M. Baer). Semiclassical Approach to Charge-Transfer Processes in Ion-Molecule Collisions (H. Nakamura). The Semiclassical Time-Dependent Approach to Charge-Transfer Processes (E. Gislason,