1. Record Nr. UNINA9910829903403321

Titolo	State-selected and state-to-state ion-molecule reaction dynamics . Part 1 Experiment [[electronic resource] /] / edited by Cheuk-Yiu Ng, Michael Baer
Pubbl/distr/stampa	New York, : J. Wiley, 1992
ISBN	1-282-68201-6 9786612682018 0-470-14139-5 0-470-14192-1
Descrizione fisica	1 online resource (702 p.)
Collana	Advances in chemical physics ; ; v. 82/1
Altri autori (Persone)	NgC. Y <1947-> (Cheuk-Yiu) BaerM (Michael)
Disciplina	541.3723 541/.08
Soggetti	Molecular dynamics Ion exchange
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"An Interscience publication."
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	STATE-SELECTED AND STATE-TO-STATE ION-MOLECULE REACTION DYNAMICS Part 1. Experiment; CONTENTS; INHOMOGENEOUS RF FIELDS A VERSATILE TOOL FOR THE STUDY OF PROCESSES WITH SLOW IONS; MULTIPHOTON IONIZATION STATE SELECTION: VIBRATIONAL-MODE AND ROTATIONAL-STATE CONTROL; CONTROL OF TRANSITION-METAL CATION REACTIVITY BY ELECTRONIC STATE SELECTION; STATE SELECTED CHARGE TRANSFER AND CHEMICAL REACTIONS BY THE TESICO TECHNIQUE; MULTICOINCIDENCE DETECTION IN BEAM STUDIES OF ION-MOLECULE REACTIONS TECHNIQUE AND APPLICATION TO X- + H2 REACTIONS STATE-SELECTED AND STATE-TO-STATE ION-MOLECULAR REACTION DYNAMICS BY PHOTOIONIZATION AND DIFFERENTIAL REACTIVITY METHODSCROSSED-MOLECULAR BEAM STUDIES OF STATE-TO-STATE REACTION DYNAMICS; PROTON ENERGY LOSS SPECTROSCOPY AS A STATE-TO-STATE PROBE OF MOLECULAR DYNAMICS; AUTHOR INDEX; SUBJECT INDEX

Sommario/riassunto

Inhomogeneous RF Fields: A Versatile Tool for the Study of Processes with Slow Ions (D. Gerlich). Multiphoton Ionization State Selection: Vibrational-Mode and Rotational-State Control (S. Anderson). Control of Transition-Metal Cation Reactivity by Electronic State Selection (J. Weisshaar). State-Selected Charge Transfer and Chemical Reactions by the TESICO Technique (I. Koyano & K. Tanaka). Multicoincidence Detection in Beam Studies of Ion-Molecule Reactions: Technique and Application to X?- + H2 Reactions (J.-C. Brenot & M. Durup-Ferguson). State-Selected and State-to-State Ion-Molecule React