1. Record Nr. UNINA9911018838903321

Titolo	Photoselective chemistry . Part 2 / / edited by Joshua Jortner, Raphael D. Levine, Stuart A. Rice
Pubbl/distr/stampa	New York, : Wiley, c1981
ISBN	9786612347016 9781282347014 1282347012 9780470142660 0470142669 9780470143124 0470143126
Descrizione fisica	1 online resource (734 p.)
Collana	Advances in chemical physics ; ; v. 47
Altri autori (Persone)	JortnerJoshua LevineRaphael D RiceStuart Alan <1932-2024.>
Disciplina	541.305 541/.08
Soggetti	Excited state chemistry Photochemistry
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	PHOTOSELECTIVE CHEMISTRY; CONTENTS; Section 3. One-Photon and Two-Photon Photoselective Chemistry; ENHANCEMENT OF CHEMICAL REACTIONS BY INFRARED LASERS; TWO-PHOTON EXCITATION AS A KINETIC TOOL: APPLICATION TO NITRIC OXIDE FLUORESCENCE QUENCHING; INFRARED LASER-ENHANCED DIFFUSION CLOUD REACTIONS; CHEMICAL LASER KINETICS; LASER DIAGNOSTICS OF REACTION PRODUCT ENERGY DISTRIBUTIONS; DOPPLER SPECTROSCOPY OF PHOTOFRAGMENTS; NONLINEAR OPTICS AND LASER SPECTROSCOPY IN THE VACUUM ULTRAVIOLET; Section 4. Studies of Collision Effects VIBRATIONAL ENERGY FLOW IN THE GROUND ELECTRONIC STATES OF POLYATOMIC MOLECULESCOLLISION INDUCED INTRAMOLECULAR ENERGY TRANSFER IN ELECTRONICALLY EXCITED POLYATOMIC

MOLECULES; COLLISION INDUCED INTERSYSTEM CROSSING; COLLISIONAL EFFECTS IN ELECTRONIC RELAXATION; ELECTRONIC TO VIBRATIONAL ENERGY TRANSFER FROM EXCITED HALOGEN ATOMS; Section 5. Studies in Condensed Media; COHERENT OPTICAL TRANSIENT STUDIES OF DEPHASING AND RELAXATION IN ELECTRONIC TRANSITIONS OF LARGE MOLECULES IN THE CONDENSED PHASE; VIBRATIONAL POPULATION RELAXATION IN LIQUIDS
EXPERIMENTAL STUDIES OF NONRADIATIVE PROCESSES IN LOW TEMPERATURE MATRICESPICOSECOND SPECTROSCOPY AND DYNAMICS OF ELECTRON RELAXATION PROCESSES IN LIQUIDS; STUDIES OF CHLOROPHYLL IN VITRO; PROTON TRANSFER: A PRIMARY PICOSECOND EVENT; LASER STUDIES OF PROTON TRANSFER; Author Index; Subject Index

Sommario/riassunto

The Advances in Chemical Physics series provides the chemical physics and physical chemistry fields with a forum for critical, authoritative evaluations of advances in every area of the discipline. Filled with cutting-edge research reported in a cohesive manner not found elsewhere in the literature, each volume of the Advances in Chemical Physics series serves as the perfect supplement to any advanced graduate class devoted to the study of chemical physics.