

1. Record Nr.	UNINA9910829878303321
Titolo	The application of wave mechanical methods to the study of molecular properties [[electronic resource] /] / edited by R. Daudel
Pubbl/distr/stampa	New York, : Interscience Publishers, 1965
ISBN	1-282-34732-2 9786612347320 0-470-14354-1 0-470-14393-2
Descrizione fisica	1 online resource (200 p.)
Collana	Advances in chemical physics ; ; 8
Altri autori (Persone)	DaudelRaymond
Disciplina	627.042
Soggetti	Wave mechanics Matter - Properties
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 index.
Nota di contenuto	ADVANCES IN CHEMICAL PHYSICS-VOLUME VIII; CONTENTS; PART I ELECTRONIC STRUCTURE AND SPECTRA; Some recent developments in the quantum theory of many-electron systems and the correlation problem.; Calculation of transition energies from the geometry of the system.; Optical absorptions and charge transfer states.; Model calculations in the theory of mixed-crystal spectra.; Applications of ligand-field theory to complexes.; PART II CHEMICAL AND BIOCHEMICAL ACTIVITY; Chemical reactivity.; A self-consistent field molecular orbital treatment of carbonyl base strength. Chemisorption of ethylene on metals and catalytic hydrogenation. Steroids, purine-pyrimidine pairs and polycyclic aromatic carcinogens.; Some aspects of the biological problems of heredity, mutations, aging, and tumours in view of the quantum theory of the DNA molecule.; 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.
