1. Record Nr. UNINA9910463297603321

Autore	Kumar B. N
Titolo	Basic physics for all [[electronic resource] /] / B.N. Kumar
Pubbl/distr/stampa	Lanham, MD, : University Press of America, c2009
ISBN	1-283-61378-6 9786613926234 0-7618-4783-9
Descrizione fisica	1 online resource (87 p.)
Disciplina	530
Soggetti	Physics Physical sciences Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Cover; Title Page; Copyright Page; Table of Contents; Purpose and Audience; I. Statics; II. Dynamics; III. Hydrostatics; IV. Sound; V. Heat; VI. Light; VII. Magnetism; VIII. Electrostatics; IX. Current Electricity
Sommario/riassunto	This is a simple, concise book for both student and non-physics students, presenting basic facts in straightforward form and conveying fundamental principles and theories of physics. This book will be helpful as a supplement to class teaching and to aid those who have difficulty in mastering concepts and principles.

2. Record Nr. UNINA9910144268703321

Titolo	New methods in computational quantum mechanics [[electronic resource] /] / edited by I. Prigogine and Stuart A. Rice
Pubbl/distr/stampa	New York, : J. Wiley, c1996
ISBN	1-282-68204-0 9786612682049 0-470-14152-2 0-470-14205-7
Descrizione fisica	1 online resource (829 p.)
Collana	Advances in chemical physics ; ; v. 93
Altri autori (Persone)	PrigogineI (Ilya) RiceStuart Alan <1932->
Disciplina	539 541.305 541/.08
Soggetti	Chemistry - Mathematics Quantum chemistry Electronic books.
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	Advances in CHEMICAL PHYSICS; CONTENTS; QUANTUM MONTE CARLO METHODS IN CHEMISTRY; MONTE CARL0 METHODS FOR REAL-TIME PATH INTEGRATION; THE REDFIELD EQUATION IN CONDENSED-PHASE QUANTUM DYNAMICS; PATH-INTEGRAL CENTROID METHODS IN QUANTUM STATISTICAL MECHANICS AND DYNAMICS; MULTICONFIGURATIONAL PERTURBATION THEORY : APPLICATIONS IN ELECTRONIC SPECTROSCOPY; ELECTRONIC STRUCTURE CALCULATIONS FOR MOLECULES CONTAINING TRANSITION METALS; THE INTERFACE BETWEEN ELECTRONIC STRUCTURE THEORY AND REACTION DYNAMICS BY REACTION PATH METHODS; ALGEBRAIC MODELS IN MOLECULAR SPECTROSCOPY TIGHT-BINDING MOLECULAR DYNAMICS STUDIES OF COVALENT SYSTEMSPERSPECTIVES ON: SEMIEMPIRICAL MOLECULAR ORBITAL THEORY; AUTHOR INDEX; SUBJECT INDEX

Sommario/riassunto

The use of quantum chemistry for the quantitative prediction of molecular properties has long been frustrated by the technical difficulty of carrying out the needed computations. In the last decade there have been substantial advances in the formalism and computer hardware needed to carry out accurate calculations of molecular properties efficiently. These advances have been sufficient to make quantum chemical calculations a reliable tool for the quantitative interpretation of chemical phenomena and a guide to laboratory experiments. However, the success of these recent developments in computa