

1. Record Nr.	UNINA9911020123103321
Autore	Lefebvre R
Titolo	Correlation effects in atoms and molecules / / edited by R. Lefebvre and C. Moser
Pubbl/distr/stampa	New York, : Interscience Publishers, 1969
ISBN	9786612347382 9781282347380 1282347381 9780470143599 0470143592 9780470143995 0470143991
Descrizione fisica	1 online resource (558 p.)
Collana	Advances in chemical physics ; ; v. 14
Altri autori (Persone)	MoserC
Disciplina	539 541.305 541/08
Soggetti	Nuclear physics Molecular dynamics
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	Correlation and Effects in Atoms Molecules; CONTENTS; Atomic Bethe-Goldstone Equations; On the Use of the Cluster Expansion and the Technique of Diagrams in Calculations of Correlation Effects in Atoms and Molecules; Effective Operators for Configurations of Equivalent Electrons; Applications of Many-Body Diagram Techniques in Atomic Physics; On the Hartree-Fock Method in Multi-Configuration Approximation; On the Application of the Extended Method of Calculation to the Atomic Electrons; The Correlation Energy of a Non-Uniform Electron Gas; Electron Correlation in Atoms and Molecules Some Aspects on the Correlation Problem and Possible Extensions of the Independent-Particle ModelCorrelation Effects in Diatomic Molecules Obtained from Configuration Interaction Using Hartree-Fock Orbital. Effects on Energy and Monoelectronic Operators; A Linked Diagram Treatment of Configuration Interaction in OpenShell Atoms;

The Field-Theoretic Form of the Perturbation Theory for Many Electron Atoms. I. Abstract Theory; The Field-Theoretic Form of the Perturbation Theory for Many Electron Atoms. II. Atomic Systems; Author Index; Subject Index; Cumulative Index to Volumes I-XIV

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.