

1. Record Nr.	UNINA9910717224903321
Autore	Peres Sherwood H.
Titolo	Preliminary analysis of Ranger course student evaluation / / Sherwood H. Peres, Rudolph G. Berkhouse
Pubbl/distr/stampa	[Washington, D.C.] : , : The Adjutant General, , 1959
Descrizione fisica	1 online resource (23 pages)
Collana	Research study ; ; 59-5
Soggetti	Soldiers - Rating of - United States Academic achievement - United States - Evaluation Academic achievement - Evaluation Soldiers - Rating of Examinations. United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"July 1959." "Combat selection a-00." "The Research Study series of publications is primarily for use by The Adjutant General, AGTI. Distribution is limited. Any content of lasting significance is eventually incorporated within Technical Research Reports or Technical Research Notes and through these media becomes available for general reference use." "Personnel Research Branch, Personnel Research and Procedures Division, The Adjutant General's Office, Department of the Army"-- Cover.
Nota di bibliografia	Includes bibliographical references (page 2).

2. Record Nr.	UNINA9910746970503321
Autore	Sun Mengtao
Titolo	Computational Simulation in Nanophotonics and Spectroscopy // by Mengtao Sun, Xijiao Mu
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819947324 9819947324
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (130 pages)
Collana	Nanoscience and Nanotechnology, , 2196-1689
Altri autori (Persone)	MuXijiao
Disciplina	621.365
Soggetti	Nanophotonics Plasmonics Spectrum analysis Nanotechnology Materials science - Data processing Electronic structure Quantum chemistry - Computer programs Nonlinear optics Optoelectronic devices Nanophotonics and Plasmonics Spectroscopy Computational Nanotechnology Electronic Structure Calculations Nonlinear Optics Optoelectronic Devices
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 Introduction -- Chapter 2 Theoretical basis of computational simulation -- Chapter 3 Calculation and analysis of electron transition spectra -- Chapter 4 Vibration spectrum calculation and analysis -- Chapter 5 Calculation of nonlinear optical properties -- Chapter 6 Calculation and analysis of molecular chiral spectra -- Chapter 7 First principles calculation of optical properties of solids -- Chapter 8.

Application of electronic structure methods in optical calculation and analysis.

Sommario/riassunto

Nanophotonics and spectroscopy has advanced rapidly in recent years. Experimental research on nanophotonics is very active. In addition to experimental research on the principles and applications of nanophotonics, computational simulation research on its various physical mechanisms and phenomena is equally important. The simulation of the optical properties of molecules or crystals, such as electronic spectra (absorption and emission spectra, etc.) and vibrational spectroscopy has extraordinary guiding significance for experiments. The current computational simulation technology can also explain and analyze the physical mechanisms behind phenomena. However, among the many computational simulation software programs available, the operation methods and application scenarios are different. The barrier for new users to conduct research with computational simulation is high. Even for researchers with some experience, it is not easy to develop a comprehensive understanding of the various software programs, keywords, programming languages and auxiliary programs. This book serves as an introductory book for beginners to get started with the technology, and a handbook for experienced readers to quickly look up for commands and script usage. It is a handy reference for graduate students and researchers engaged in the study of photonics and optics.