1. Record Nr. UNISA996466709103316

Autore	Powell Richard C
Titolo	Symmetry, Group Theory, and the Physical Properties of Crystals [[electronic resource] /] / by Richard C Powell
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2010
ISBN	1-280-38177-9 9786613559685 1-4419-7598-5
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (VIII, 230 p. 69 illus.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 824
Disciplina	548/.7
Soggetti	Condensed matter Solid state physics Optical materials Electronic materials Physical chemistry Condensed Matter Physics Solid State Physics Optical and Electronic Materials Physical Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Symmetry in Solids -- Group Theory -- Tensor Properties of Crystals -- Symmetry Properties of Point Defects in Solids -- Symmetry and the Optical Properties of Crystals -- Nonlinear Optics -- Symmetry and Lattice Vibrations -- Symmetry and Electron Energy Levels.
Sommario/riassunto	This book demonstrates the importance of symmetry in determining the properties of solids and the power of using group theory and tensor algebra to elucidate these properties. It provides the fundamentals necessary for the reader to understand how to utilize these techniques in many different applications without becoming lost in a heavy formal treatment of the subject matter. The book begins by discussing the concepts of symmetry relevant to crystal structures. This is followed by a summary of the basics of group theory and how it

applies to quantum mechanics. Next is a discussion of the description of the macroscopic properties of crystals by tensors and how symmetry determines the form of these tensors. The basic concepts covered in these early chapters are then applied to a series of different examples including crystal field theory treatment of point defects in solids, molecular orbitals, two-photon processes, the optical properties of solids, the nonlinear optical properties of solids, lattice vibrations, the Jahn-Teller effect, and the effects of translational symmetry on electronic energy bands in solids.. Emphasis is placed on showing how group theory and tensor algebra can provide important information about the properties of a system without resorting to first principal quantum mechanical calculations. The book also features a comprehensive set of relevant tables, including crystal symmetries, point group character tables, matter tensors of different rank, and other tensor properties. Key Features: •Serves as a textbook or reference book for solid-state physics, solid-state chemistry, and materials science and engineering •Shows how the physical properties of solids are determined by their symmetry •Demonstrates the applications of group theory •Utilizes the concept of matter tensors •Includes an extensive set of reference tables and end of chapter problems.

2. Record Nr. UNINA9910698982903321

Titolo	Analgesic nephropathy (painkillers and the kidneys) [[electronic resource]]
Pubbl/distr/stampa	Bethesda, MD : , : National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, U.S. Department of Health and Human Services, , [2007]
Descrizione fisica	2 unnumbered pages : digital, PDF file
Collana	NIH publication ; ; no. 07-4573
Soggetti	Nephritis, Interstitial - Etiology Analgesics Kidneys - Diseases - United States Blood - Diseases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed June 16, 2009). "September 2007."

3.

Record Nr.	UNINA9910153191003321
Autore	Nerbonne John A. <1951->
Titolo	German temporal semantics : three-dimensional tense logic and a GPSG fragment / / John A. Nerbonne
Pubbl/distr/stampa	London : , : Routledge, , 2016
ISBN	1-315-53702-8 1-134-99234-3 1-134-99227-0
Descrizione fisica	1 online resource (295 pages) : illustrations
Collana	Routledge Library Editions. Semantics and Semiology ; ; Volume 10
Disciplina	435
Soggetti	German language - Temporal constructions German language - Semantics German language - Grammar, Generative Tense (Logic)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Originally published: 1985.
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	First published in 1985, this book analyses temporal meaning in German. The framework is that of a model-theoretic semantics, more specifically one incorporating a multi-dimensional tense logic. The first chapter presents this logic and argues that three dimensions are optimal for the description of natural language temporalia. The second chapter applies this theory to the analysis of temporal meaning in German. Frame adverbials, the Present and Past Tenses, duratives, aspectual adverbials using in, and the adverbials particle schon are examined. Chapter 3 provides a formal syntax to bear the semantic analysis proposed in the second chapter and the final chapter explores syntactic and semantic extensions of the fragment, showing how the Perfect, the particle noch, the passive, and a distinct reading of frame adverbials may be accommodated.