1. Record Nr. UNINA9910830679403321

Autore	Yoder Claude H
Titolo	Ionic compounds [[electronic resource]] : applications of chemistry to mineralogy / / Claude H. Yoder
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2006
ISBN	1-280-64926-7 9786610649266 0-470-07510-4 0-470-07509-0
Descrizione fisica	1 online resource (206 p.)
Disciplina	549.18 549/.18
Soggetti	Ionic crystals Ionic structure Crystallography
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 (p. 181) and index.
Nota di contenuto	Bonding and composition. -- The structure of ionic compounds: closet packing. -- The symmetry of crystals. -- The structure of some simple closet-packed compounds. -- Factors that affect the symmetry of the unit cell. -- Physical properties: morphology. -- Physical properties: color. -- Chemical properties. -- Appendices: The periodic chart ; The elements: symbols, melting points, boiling points, densities, and electronegatives ; Metallic, covalent, and ionic radii ; Quartz ; Crystal system identification practice ; Crystal systems and classes.
Sommario/riassunto	A practical introduction to ionic compounds for both mineralogists and chemists, this book bridges the two disciplines. It explains the fundamental principles of the structure and bonding in minerals, and emphasizes the relationship of structure at the atomic level to the symmetry and properties of crystals. This is a great reference for those interested in the chemical and crystallographic properties of minerals.

2. Record Nr. UNINA9910367565403321

Autore	Dounis Anastasios
Titolo	Intelligent Control in Energy Systems / Anastasios Dounis
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2019 Basel, Switzerland : , : MDPI, , 2019
ISBN	9783039214167 3039214160
Descrizione fisica	1 electronic resource (508 p.)
Soggetti	Research & information: general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The editors of this Special Issue titled "Intelligent Control in Energy Systems" have attempted to create a book containing original technical articles addressing various elements of intelligent control in energy systems. In response to our call for papers, we received 60 submissions. Of those submissions, 27 were published and 33 were rejected. In this book, we offer the 27 accepted technical articles as well as one editorial. Authors from 15 countries (China, Netherlands, Spain, Tunisia, United Sates of America, Korea, Brazil, Egypt, Denmark, Indonesia, Oman, Canada, Algeria, Mexico, and the Czech Republic) elaborate on several aspects of intelligent control in energy systems. The book covers a broad range of topics including fuzzy PID in automotive fuel cell and MPPT tracking, neural networks for fuel cell control and dynamic optimization of energy management, adaptive control on power systems, hierarchical Petri Nets in microgrid management, model predictive control for electric vehicle battery and frequency regulation in HVAC systems, deep learning for power consumption forecasting, decision trees for wind systems, risk analysis for demand side management, finite state automata for HVAC control, robust -synthesis for microgrids, and neuro-fuzzy systems in energy storage.