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Descrizione fisica	1 online resource (206 p.)
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Soggetti	Ionic crystals Ionic structure Crystallography
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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.