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Nota di contenuto	CONTENTS ; VOLUME I - PHYSICAL SCIENCES ; Foreword ; Preface ; General Introduction ; Part I. The Chemical Bond ; Introduction to Part I ; Chapter 1. Covalent Bonding Resonance and Bond Orbital Hybridization ; Chapter 2. Ionic Bonding Partial Ionic Character and Electronegativity Chapter 3. Metallic Bonding Chapter 4. Hydrogen Bonding ; Photos for Parts I and II ; Part II. Crystal and Molecular Structure and Properties ; Introduction to Part II ; Chapter 5. Ionic Crystals and X-Ray Diffraction ; Chapter 6. Covalent Intermetallic and Molecular Crystals Chapter 7. Molecules in the Gas Phase and Electron Diffraction Chapter 8. Molecular Properties Analyzed by Quantum Mechanics ; Chapter 9. Entropy and Molecular Rotation in Crystals and Liquids ; Chapter 10. Nuclear Structure; Superconductivity; Quasicrystals
Sommario/riassunto	Linus Pauling wrote a stellar series of over 800 scientific papers spanning an amazing range of fields, some of which he himself

initiated. This book is a selection of the most important of his writings in the fields of quantum mechanics, chemical bonding (covalent, ionic, metallic, and hydrogen bonding), molecular rotation and entropy, protein structure, hemoglobin, molecular disease, molecular evolution, the antibody mechanism, the molecular basis of anesthesia, orthomolecular medicine, radiation chemistry/biology, and nuclear structure. Through these papers the reader gets a fresh, unfiltered
