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Titolo	Concise physical chemistry / / Donald W. Rogers
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Descrizione fisica	1 online resource (404 p.)
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	CONCISE PHYSICAL CHEMISTRY; CONTENTS; Foreword; Preface; 1 Ideal Gas Laws; 2 Real Gases: Empirical Equations; 3 The Thermodynamics of Simple Systems; 4 Thermochemistry; 5 Entropy and the Second Law; 6 The Gibbs Free Energy; 7 Equilibrium; 8 A Statistical Approach to Thermodynamics; 9 The Phase Rule; 10 Chemical Kinetics; 11 Liquids and Solids; 12 Solution Chemistry; 13 Coulometry and Conductivity; 14 Electrochemical Cells; 15 Early Atomic Theory: A Summary; 16 Wave Mechanics of Simple Systems; 17 The Variational Method: Atoms; 18 Experimental Determination of Molecular Structure 19 Classical Molecular Modeling20 Quantum Molecular Modeling; 21 Photochemistry and the Theory of Chemical Reactions; References; Answers to Selected Odd-Numbered Problems; Index
Sommario/riassunto	This book is a physical chemistry textbook that presents the essentials of physical chemistry as a logical sequence from its most modest

beginning to contemporary research topics. Many books currently on the market focus on the problem sets with a cursory treatment of the conceptual background and theoretical material, whereas this book is concerned only with the conceptual development of the subject. Comprised of 19 chapters, the book will address ideal gas laws, real gases, the thermodynamics of simple systems, thermochemistry, entropy and the second law, the Gibbs free energy, equilibrium,