1. Record Nr. UNINA9910795948903321 Autore Scudder Paul H **Titolo** Electron flow in organic chemistry [[electronic resource]]: a decisionbased guide to organic mechanisms / / Paul H. Scudder, New College of Florida Hoboken, N.J., : Wiley, 2013 Pubbl/distr/stampa **ISBN** 1118355016 9781118355015 Edizione [2nd ed.] Descrizione fisica xv, 432 p.: ill Classificazione 437 547/.128 Disciplina 547/.128 Soggetti Charge exchange Chemical bonds Chemistry, Organic Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Includes bibliographical references (p. 364-365) and index Note generali Nota di bibliografia Includes bibliographical references and index. Machine generated contents note: 1 BONDING AND ELECTRON Nota di contenuto DISTRIBUTION 1 1.1 The Decision-Based Approach To Organic Chemistry 2 1.2 Ionic And Covalent Bonding 6 1.3 Lewis Structures And Resonance Forms 8 1.4 Curved-Arrow Notation 11 1.5 Nomenclature And Abbreviations 16 1.6 An Orbital View Of Bonding (Supplemental) 18 1.7 The Shapes Of Molecules 21 1.8 Molecular Repulsions. Attractions, And Hydrogen Bonding 25 1.9 Conjugation, Vinylogy, Aromaticity 27 1.10 Summary 30 2 THE PROCESS OF BOND FORMATION 34 2.1 Energetics Control Knowledge 35 2.2 Orbital Overlap In Covalent Bond Formation 35 2.3 Orbital Interaction Diagrams 38 2.4 Polarizability And Hard And Soft Acid? Base Theory 41 2.5 Thermodynamics, Position Of Equilibrium 43 2.6 Kinetics, Rate Of Reaction 47 2.7 Solvent Stabilization Of Ions 53 2.8 Enzymatic Catalysis

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Sommario/riassunto

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