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Nota di contenuto	Front Cover; Advanced Organic Chemistry; Copyright Page; Contents; Foreword; Preface to the English Edition; Preface to the German Edition; Acknowledgments; Chapter 1. Radical Substitution Reactions at the Saturated C Atom; 1.1 Bonding and Preferred Geometries in C Radicals, Carbenium Ions and Carbanions; 1.2 Stability of Radicals; 1.3 Relative Rates of Analogous Radical Reactions; 1.4 Radical Substitution Reactions: Chain Reactions; 1.5 Radical Initiators; 1.6 Radical Chemistry of Alkylmercury(II) Hydrides; 1.7 Radical Halogenation of Hydrocarbons; 1.8 Autoxidations 1.9 Defunctionalizations via Radical Substitution ReactionsReferences; Chapter 2. Nucleophilic Substitution Reactions at the Saturated C Atom; 2.1 Nucleophiles and Electrophiles; Leaving Groups; 2.2 Good and Poor Nucleophiles; 2.3 Leaving Groups and the Quality of Leaving Groups; 2.4 SN2 Reactions: Kinetic and Stereochemical Analysis-Substituent Effects on Reactivity; 2.5 SN1 Reactions: Kinetic and Stereochemical Analysis; Substituent Effects on Reactivity 2.6 When Do SN Reactions at Saturated C Atoms Take Place According to the SN1 Mechanism and When Do They Take Place According to the SN2 Mechanism?2.7 Unimolecular SN Reactions That Do Not Take Place via Simple Carbenium Ion Intermediates: Neighboring Group Participation; 2.8 Preparatively Useful SN2 Reactions: Alkylations;

References; Chapter 3. Additions to the Olefinic C=C Double Bond; 3.1 The Concept of cis and trans Addition; 3.2 Vocabulary of Stereochemistry and Stereoselective Synthesis I; 3.3 Additions That Take Place Diastereoselectivity as cis Additions 3.4 Enantioselective cis Additions to C=C Double Bonds 3.5 Additions That Take Place Diastereoselectively as trans Additions (Additions via Onium Intermediates); 3.6 Additions That Take Place or Can Take Place without Stereocontrol Depending on the Mechanism; References; Chapter 4. β -Eliminations; 4.1 Concepts of Elimination Reactions; 4.2 β -Eliminations of H/Het via Cyclic Transition States; 4.3 β -Eliminations of H/Het via Acyclic Transition States: The Mechanistic Alternatives; 4.4 E2 Eliminations of H/Het and the E2/SN2 Competition 4.5 E1 Elimination of H/Het from Rtert-X and the E1/SN1 Competition 4.6 E1cb Eliminations; 4.7 β -Eliminations of Het1/Het2; References; Chapter 5. Substitution Reactions on Aromatic Compounds; 5.1 Electrophilic Aromatic Substitutions via Wheland Complexes ("Ar-SE Reactions"); 5.2 Ar-SE Reactions via Wheland Complexes: Individual Reactions; 5.3 Electrophilic Substitution Reactions on Metallated Aromatic Compounds; 5.4 Nucleophilic Substitution Reactions in Aryldiazonium Salts; 5.5 Nucleophilic Substitution Reactions via Meisenheimer Complexes 5.6 Nucleophilic Aromatic Substitution via Arynes, cine Substitution

Sommario/riassunto

A best-selling mechanistic organic chemistry text in Germany, this text's translation into English fills a long-existing need for a modern, thorough and accessible treatment of reaction mechanisms for students of organic chemistry at the advanced undergraduate and graduate level. Knowledge of reaction mechanisms is essential to all applied areas of organic chemistry; this text fulfills that need by presenting the right material at the right level.

2. Record Nr.	UNISA996210313003316
Titolo	Global library and information science : a textbook for students and educators : with contributions from Africa, Asia, Australia, New Zealand, Europe, Latin America and the Caribbean, the Middle East, and North America // edited by Ismail Abdullahi
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Descrizione fisica	1 online resource (592 p.)
Collana	IFLA publications ; ; 136-137
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Nota di contenuto	Contents -- Foreword / Peter Johan Lor -- Introduction / Ismail Abdullahi. -- Acknowledgements -- Part 1 : Africa -- Introduction / Dennis Ocholla -- Public Libraries / Isaac Kigongo Bukonya -- Academic Libraries / Reggie Raju and Jaya Raju -- Special Libraries / Janneke Mostert -- School Libraries / Robert Ikoja Odongo -- LIS Education / Omwoyo Bosire Onyancha and Mabel K. Minishi-Majanja -- Part 2 : Asia -- Introduction / Abdus Sattar Chaudhry and Chihfeng P. Lin -- Public Libraries / Mei-Hwa Yang -- Academic Libraries / Trishanjit Kaur -- Special Libraries / Anthony W. Ferguson and Chihfeng P. Lin -- LIS Education / Christopher S. G. Khoo, Shaheen Majid, and Chihfeng P. Lin -- Part 3 : Australia -- Introduction / Stuart Ferguson -- Public Libraries / Chris Jones, Philip Calvert and Stuart Ferguson -- Academic Libraries / Anne Horn, Philip Calvert and Stuart Ferguson -- Special Libraries / Sue Henczel, Gillian Ralph and Julie Sibthorpe -- School Libraries / James E. Herring -- LIS Education / Gillian Hallam and Philip Calvert -- Part 4 : Europe -- Introduction / Leif Kajberg and Marian Koren -- Public Libraries / Marian Koren --

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Sommario/riassunto

This book presents international librarianship and library science through insightful and well written chapters contributed by experts and scholars from six regions of the world. The role of public, academic, special, school libraries, as well as library and information science education are presented from the early development to the present time. Its lively, readable approach will help the reader to understand librarianship in Africa, Asia, Australia and New Zealand, Europe, Latin America and the Caribbean, the Middle East, and North America.
