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Titolo	Quaternary stereocenters [[electronic resource]] : challenges and solutions for organic synthesis // edited by Jens Christoffers, Angelika Baro
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Altri autori (Persone)	ChristoffersJens BaroAngelika
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Nota di contenuto	Quaternary Stereocenters; Contents; Foreword; Preface; List of Contributors; Symbols and Abbreviations; 1 Important Natural Products; 1.1 Introduction; 1.2 Alkylation of Tertiary Carbon Centers; 1.3 Cycloaddition to Alkenes; 1.3.1 Diels-Alder Reaction; 1.3.2 Other Types of Cycloaddition; 1.4 Rearrangement Reactions; 1.5 Carbometallation Reactions; 1.5.1 Addition of a Carbon Nucleophile to a ,-Disubstituted ,-Unsaturated Enone; 1.5.2 Asymmetric and Diastereomeric Addition of a Carbon Nucleophile to Unactivated Alkenes Catalyzed by Palladium [42]; 1.6 C-H Functionalization Reactions 1.7 Asymmetric Modification of Enantiotopic/Diastereotopic Substituents of Quaternary Carbon Centers1.8 Summary; 2 Important Pharmaceuticals and Intermediates; 2.1 The Chirality of Drugs and Agrochemicals; 2.2 Steroids; 2.3 Pharmaceuticals and Agrochemicals Based on -Dialkylated Amino Acids; 2.4 Azole Antimycotics; 2.5

Alkaloids; 2.6 HIV Inhibitors; 2.7 β -Lactam Antibiotics; 2.8 The Tetracyclines; 2.9 Summary and Outlook; 3 Aldol Reactions; 3.1 Introduction; 3.2 Metal Enolates; 3.2.1 Lithium Enolates; 3.2.2 Titanium and Zirconium Enolates; 3.2.3 Boron Enolates; 3.3 Catalytic Aldol Additions
3.3.1 Fluoride-ion-mediated Aldol Addition
3.3.2 Lewis-acid-mediated Mukaiyama-type Aldol Reactions; 3.3.3 Direct Aldol Additions; 3.3.4 Organocatalysis; 3.3.5 Enzyme and Antibody Catalysis; 3.4 Conclusions; 3.5 Note Added in Proof; 4 Michael Reactions and Conjugate Additions; 4.1 Introduction; 4.2 Chiral Bronsted Bases; 4.2.1 Cinchona Alkaloids; 4.2.2 Polymer-bound Alkaloids; 4.2.3 Organocatalysis; 4.2.4 Miscellaneous Examples; 4.3 Chiral Metal Complexes; 4.3.1 Cobalt and Copper Catalysis; 4.3.2 Rhodium Catalysis; 4.3.3 Heterobimetallic Catalysis; 4.3.4 Miscellaneous Examples
4.4 Chiral Auxiliaries
4.4.1 β -Phenethylamine; 4.4.2 L-Valine Ester; 4.4.3 L-Valine Diethylamide; 4.4.4 Miscellaneous Examples; 5 Rearrangement Reactions; 5.1 Introduction; 5.2 Applications; 5.2.1 The Claisen Rearrangement; 5.2.2 The Overman Rearrangement; 5.2.3 The Cope Rearrangement; 5.2.4 The Wittig Rearrangement; 5.2.5 Semipinacol Rearrangements; 5.2.6 Miscellaneous; 5.3 Summary; 6 Cycloaddition Reactions; 6.1 Introduction; 6.2 [2+1] Cycloaddition Reactions; 6.3 [2+2] Cycloaddition Reactions; 6.4 1,3-Dipolar Cycloaddition Reactions; 6.4.1 Nitron Cycloadditions
6.4.2 Other 1,3-Dipolar Cycloadditions
6.5 Diels-Alder Reactions; 6.6 Hetero-Diels-Alder Reactions; 6.6.1 The Carbonyl Group as Dienophile; 6.6.2 α,β -Unsaturated Carbonyl Derivatives as Heterodienes; 6.6.3 Imine Derivatives as Heterodienophiles; 6.7 Consecutive Cycloaddition Reactions; 7 Asymmetric Cross-coupling and Mizoroki-Heck Reactions; 7.1 The Asymmetric Heck Reaction; 7.1.1 Introduction; 7.1.2 Mizoroki-Heck Reaction Mechanism; 7.1.3 Asymmetric Formation of Quaternary Carbon Centers; 7.2 Metal-catalyzed Cross-coupling Reactions; 7.2.1 Palladium-catalyzed α -Arylation
7.2.2 Palladium-catalyzed α -Vinylation

Sommario/riassunto

Filling the gap in the literature, this book presents everything there is to know about this topic. By comprehensively covering the quaternary stereocenters found in a range of important and useful molecules in pharmaceutical and medicinal applications, as well as in thousands of natural products, the book provides the know-how chemists need to synthesize challenging molecules with numerous applications. A must for organic chemists in academia, the pharmaceutical industry and medicine. From the Contents: Important Natural Products, Important Pharmaceuticals and Intermediates

2. Record Nr.	UNINA9910823032203321
Titolo	Assessing Barack Obama's Africa policy : suggestions for him and African leaders // edited by Abdul Karim Bangura
Pubbl/distr/stampa	Lanham [Maryland] : , : University Press of America, Inc., , [2015] ©2015
ISBN	0-7618-6411-3
Descrizione fisica	1 online resource (376 p.)
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Nota di contenuto	Contents; Preface; Acknowledgments; 1 Continuity or Change in US Relations with Africa during the Obama Presidency; 2 Race and the Great Expectations; 3 Visits to and Speeches in Egypt and Ghana; 4 War on Libya; 5 War on Somalia; 6 Uganda Intervention; 7 The Crisis in Cote d'Ivoire; 8 IBSA and South-South Cooperation; 9 Sanctions against Zimbabwe; 10 Kenyan Politics; 11 Nigerian Politics; 12 Liberian Politics; 13 Millennium Challenge Initiative in Senegal; 14 Economic Aid; 15 The US Strategy towards Gender Violence in Africa; 16 African Education Initiative; 17 Pro-Gay Policy About the Authors
Sommario/riassunto	This book contains critical analyses of President Barack Obama's foreign policy instruments toward Africa and suggests how to continue, strengthen, and modify these policy instruments. This book presents the objectives for vibrant and lasting relations between Africa and the United States and the concrete measures to achieve them.