1. Record Nr. UNISALENTO991003131059707536

Autore	Mancarella, Giovan Battista
Titolo	Introduzione all'antico francese : dal latino volgare ai testi non letterari
Pubbl/distr/stampa	Lecce : Milella, 1979
Descrizione fisica	219 p. ; 24 cm.
Disciplina	447
Soggetti	Lingua francese antica Linguistica romanza
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910826359203321

Titolo	Stereoselective organocatalysis : bond formation methodologies and activation modes / / edited by Ramon Rios Torres
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2013
ISBN	1-118-60475-X 1-118-60474-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (676 p.)
Classificazione	SCI013040
Altri autori (Persone)	Rios TorresRamon
Disciplina	547/.215
Soggetti	Catalysis Chemistry, Organic Stereochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	STEREOSELECTIVE ORGANOCATALYSIS: Bond Formation Methodologies and Activation Modes; CONTENTS; PREFACE; CONTRIBUTORS; 1.

INTRODUCTION: A HISTORICAL POINT OF VIEW; REFERENCES; 2. ACTIVATION MODES IN ASYMMETRIC ORGANOCATALYSIS; 2.1. INTRODUCTION; 2.2. COVALENT ORGANOCATALYSIS; 2.2.1. Aminocatalysis; 2.2.2. Carbene Catalysis; 2.2.3. Lewis Base Organocatalysis; 2.3. NONCOVALENT ORGANOCATALYSIS; 2.3.1. Hydrogen-Bonding Activation; 2.3.2. Brønsted Base and Bifunctional Catalysis; 2.3.3. Phase-Transfer and Asymmetric Countercation-Directed Catalysis; NOTE ADDED IN PROOF; ACKNOWLEDGMENTS; REFERENCES
3. C-C BOND FORMATION BY ALDOL REACTION3.1. INTRODUCTION; 3.2. INTRAMOLECULAR ALDOL REACTIONS; 3.3. KETONES AS DONORS; 3.3.1. -Hydroxy Ketones; 3.3.2. Aldols with Two Stereogenic Centers Formed in the Aldol Reaction; 3.4. ALDEHYDES AS DONORS: CROSS-ALDOL REACTION; 3.4.1. Aldols with Two Stereogenic Centers Formed in the Cross-Aldol Reaction; 3.5. KETONE-KETONE; 3.5.1. Tertiary b-Hydroxy Ketones; 3.5.2. Anti-Aldols with a Quaternary Stereocenter; 3.5.3. syn-Aldols with a Quaternary Stereocenter; 3.6. OTHER CATALYSTS; 3.7. BRØNSTED ACID-CATALYZED ASYMMETRIC ALDOL REACTION; 3.8. CONCLUSIONS
REFERENCES4. EXAMPLES OF METAL-FREE DIRECT CATALYTIC ASYMMETRIC MANNICH-TYPE REACTIONS USING AMINOCATALYSIS; 4.1. INTRODUCTION; 4.2. METAL-FREE CATALYSIS; 4.3. CONCLUSION; REFERENCES AND NOTES; 5. C-C BOND FORMATION BY MICHAEL REACTION; 5.1. INTRODUCTION; 5.2. SIMPLE SUBSTRATES; 5.2.1. Michael Addition of Aldehydes; 5.2.2. Michael Addition of Ketones; 5.2.3. Michael Addition of Nitroalkanes; 5.2.4. Michael Addition of Activated Methylenes; 5.3. SPECIAL SCAFFOLD; 5.3.1. Oxindoles; 5.3.2. Benzofuran-2(3H)-ones; 5.3.3. Oxazolones; 5.3.4. Nitro-ethenamine; 5.3.5. -Carbonyl Heteroaryl Sulfones
5.4. NEW APPROACH5.4.1. Intramolecular Michael Reaction; 5.4.2. Mukaiyama-Michael Reactions; 5.4.3. Desymmetric Michael Reactions; 5.4.4. Direct Vinylogous Michael Reactions; 5.5. MISCELLANEOUS; 5.6. CONCLUSION; REFERENCES; 6. C-C BOND FORMATION BY DIELS-ALDER AND OTHER PERICYCLIC REACTIONS; 6.1. INTRODUCTION; 6.2. DIELS-ALDER REACTIONS; 6.3. HETERO-DIELS-ALDER REACTIONS; 6.4. [3+2] CYCLOADDITION REACTIONS; 6.5. [2+2] CYCLOADDITION REACTIONS; 6.6. ELECTROCYCLIZATIONS; 6.7. SIGMATROPIC REACTIONS; 6.8. ENE REACTIONS; 6.9. OUTLOOK; REFERENCES
7. N-HETEROCYCLIC CARBENE-CATALYZED C-C BOND FORMATION7.1. INTRODUCTION; 7.2. BENZOIN CONDENSATION OF ALDEHYDES; 7.2.1. Self-Benzoin Condensation; 7.2.2. Cross-Benzoin Reaction; 7.2.3. Aza-Cross-Benzoin Reaction; 7.3. STETTER REACTION OF ALDEHYDES; 7.3.1. Intramolecular Stetter Reaction; 7.3.2. Intermolecular Stetter Reaction; 7.4. CROSS-COUPLING REACTIONS OF ALDEHYDES WITH ACTIVATED HALIDES; 7.5. REACTION OF SILYLATED REAGENTS; 7.6. REARRANGEMENT OF ENOL ESTERS; 7.7. REACTIONS OF MICHAEL ACCEPTORS; 7.8. MICHAEL ADDITIONS; 7.9. EXTENDED UMPOLUNG OF FUNCTIONALIZED ALDEHYDES
7.10. FORMAL CYCLOADDITIONS OF KETENES

Sommario/riassunto

Sets forth an important group of environmentally friendly organic reactions With contributions from leading international experts in organic synthesis, this book presents all the most important methodologies for stereoselective organocatalysis, fully examining both the activation mode as well as the type of bond formed. Clear explanations guide researchers through all the most important methods used to form key chemical bonds, including carbon-carbon (C-C), carbon-nitrogen (C-N), and carbon-halogen (C-X) bonds. Moreover, readers will discover how the use of non-metallic catalys