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Altri autori (Persone)	Yudin Andrei K
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1.3.5 Pd-Catalyzed Carboamination Reactions of Alkynes, Allenes, and Dienes 1.3.6 Vicinal Difunctionalization of Alkenes and Allenes; 1.4 Synthesis of Nitrogen Heterocycles via Intermediate π -Allylpalladium Complexes; 1.4.1 Reactions Involving Oxidative Addition of Allylic Electrophiles; 1.4.2 Reactions Involving π -Allylpalladium Intermediates Generated via Alkene Carbopalladation; 1.4.3 Reactions Involving Aminopalladation of 1,3-Dienes; 1.4.4 Generation of Allylpalladium Intermediates through C-H Activation 2.5.2 Reductive Cyclization of Ketoacids and Ketoesters 2.5.3 C-H Oxygenation; 2.5.4 Ring Closure of Benzoic Acids with Dihaloalkanes; 2.5.5 Baeyer-Villiger Oxidation of Cyclic Ketones; 2.5.6 Ring Opening of Cyclopropanes with Carboxylic Acids; 2.5.7 Ring Closure of o-Iodobenzoates with Aldehydes; 2.5.8 Synthesis of Lactones Involving CO ₂ ; 2.5.9 Michael Addition of α , β -Unsaturated N-Acylpyrrolidines; 2.5.10 [2 + 2] Cycloaddition of Ketenes and Aldehydes; 2.5.11 Tandem Cross-Metathesis/Hydrogenation Route to Lactones; 2.5.12 Modern Catalytic Variants of Classical Macrolactonizations

2.6 Conclusions and Outlook

Sommario/riassunto

Written by an experienced editor widely acclaimed within the scientific community, this book covers everything from oxygen to nitrogen functionalities. From the contents: * Palladium-Catalyzed Syntheses of Five-Membered Saturated Heterocycles* The Formation of Carbon-Sulfur and Carbon-Selenium Bonds by Substitution and Addition Reactions Catalyzed by Transition Metal Complexes* Palladium-Catalysis for Oxidative 1,2-Difunctionalization of Alkenes* Palladium-Catalyzed Formation of Aromatic Heterocycles* Rhodium-Catalyzed Amination of C-H-Bonds* Transition Metal-Catalyz