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Titolo	Palladacycles : synthesis, characterization and applications / / edited by Jairton Dupont and Michel Pfeffer
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Descrizione fisica	1 online resource (433 p.)
Disciplina	547.5
Soggetti	Organometallic compounds Polycyclic compounds Catalysis Electronic books.
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 at the end of each chapters and index.
Nota di contenuto	Palladacycles; Contents; List of Contributors; 1 Introduction; 1.1 Introduction; 1.2 Definition; 1.3 Historical Overview; 1.4 Classification of Palladacycles (Types); 1.5 Final Remarks; References; 2 C-H Bond Activation; 2.1 General Remarks; 2.2 Activation of Aryl C-H Bonds; 2.2.1 Donor Group Coordination; 2.2.2 Metal Precursor; 2.2.3 Electron Density at the Arene C-H Bond; 2.3 Pincer Complexes: A Special Case; 2.4 Transcyclometallation; 2.5 Activation of Heterocyclic C-H Bonds, Formation of Pd-Carbene Bonds; 2.6 Activation of sp(3) C-H Bonds; 2.6.1 Activation of Benzylic C-H Bonds 2.6.2 Activation of Aliphatic C-H Bonds2.7 Conclusions and Perspectives; References; 3 Oxidative Addition and Transmetallation; 3.1 Introduction; 3.2 Oxidative Addition; 3.3 Transmetallation; References; 4 Synthesis via Other Synthetic Solutions; 4.1 Introduction; 4.2 Synthesis of Palladacycles via Nucleophile-Palladation Reaction of Olefins or Alkynes Bearing Electron-Donor Heteroatoms; 4.2.1

Alkoxypalladation Reaction; 4.2.2 Carbopalladation; 4.2.3 Chloropalladation; 4.3 Carbopalladation Reaction via Insertion of Olefins or Alkynes into the Pd-C -Bond of Nonpalladacyclic Species 4.3.1 Insertion of Olefins or Alkynes Bearing Electron-Donor Atoms 4.3.2 Insertion of Olefins, Allenes or Alkynes into a Pd-C -Bond of a Fragment Containing Electron-Donor Atoms; 4.4 Nucleophile Palladation of Olefins or Alkynes Not Bearing Heteroatoms; 4.4.1 Aminopalladation and Aminoformylpalladation; 4.5 Conclusion; References; 5 The Pd-C Building Block of Palladacycles: A Cornerstone for Stoichiometric C-C and C-X Bond Assemblage; 5.1 Introduction; 5.2 Reactions with Carbon Monoxide; 5.3 Reactions with Alkenes; 5.4 Reaction with Alkynes; 5.5 Reaction with Isocyanides 5.6 Reaction with Allenes 5.7 Reactions with Acyl Halides; 5.8 Reaction with Halogens; 5.9 Conclusions; References; 6 C-H Activations via Palladacycles; 6.1 Introduction: C-C Bond Formation via Cyclopalladation Reactions; 6.2 Stoichiometric C-H Activation Chemistry; 6.3 Catalytic Chemistry; 6.3.1 Vinylations; 6.4 Arylations; 6.5 Direct C-H C-H Coupling Reactions; 6.6 Alkylations; 6.7 Other Reactions; 6.7.1 Carbonylations; 6.7.2 C-N Bond Formation; 6.8 Conclusion; References; 7 Cyclopalladated Compounds as Resolving Agents for Racemic Mixtures of Ligands; 7.1 Introduction 7.2 Resolution Methods 7.3 Chiral Palladacyclic Auxiliaries; 7.4 Monodentate Ligands; 7.4.1 Resolution of Phosphines and Arsines; 7.4.2 Resolution of Air-Sensitive Ligands; 7.4.3 Resolution of Atropoisomeric Phosphines; 7.4.4 Resolution of Halogenophosphines; 7.4.5 Resolution of Stibines; 7.4.6 Resolution of Cluttered Chiral Bidentate Ligands; 7.5 Bidentate Ligands; 7.5.1 Neutral Ligands; 7.5.2 Anionic Ligands; 7.6 Conclusion; References; 8 Application of Cyclopalladated Compounds as Catalysts for Heck and Sonogashira Reactions; 8.1 Heck Reaction; 8.1.1 Introduction; 8.1.2 Mechanism 8.1.3 Catalysts

Sommario/riassunto

From synthesis to applications in catalysis, material science and biology this much-needed book is the first to comprehensively present everything you need to know about palladacycles. Renowned international authors guarantee high-quality content, making this a must-have for everyone working in the field.

2. Record Nr.	UNINA9910158707303321
Titolo	The ACP Group and the EU Development Partnership : Beyond the North-South Debate / / edited by Annita Montoute, Kudrat Virk
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Palgrave Macmillan, , 2017
ISBN	9783319454924 3319454927
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXIII, 380 p. 7 illus. in color.)
Disciplina	320
Soggetti	Comparative government Regionalism Europe - Politics and government Emigration and immigration International economic relations Development economics Comparative Politics European Politics Human Migration International Political Economy' Development Economics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1. Introduction -- 2. A History of the ACP-EU Relationship: The Origins and Spirit of Lomé -- 3. The EU and Africa: The Political Economy of an Asymmetrical Partnership -- 4. The EU and the Caribbean: The Necessity of Unity -- 5. The EU and the Pacific: A Tale of Unfulfilled Expectations -- 6. The Economic Partnership Agreements: An African Perspective -- 7. South Africa, the EU, and the SADC Group Economic Partnership Agreement: Through the Negotiating Lens -- 8. The Caribbean-EU Economic Partnership Agreement: A Caribbean Perspective -- 9. The EU's Security Role in Africa: "The Emperor Has No Clothes" -- 10. ACP-EU Migration Policy -- 11. Diasporas and

Development in the ACP-EU Relationship -- 12. The ACP Ambassadorial Working Group on Future Perspectives of the ACP Group -- 13. The ACP, the EU, and the BRICS: Opportunities on the Horizon or Just a Mirage? -- 14. Conclusion.

Sommario/riassunto

This book is a systematic and critical assessment of the nature, evolution, and prospects of the development partnership between the 79-member African, Caribbean, and Pacific (ACP) group of states and the 28-member European Union (EU). This partnership - the most comprehensive of its kind - remains an important framework for addressing development challenges in the ACP regions. But, in order to sustain its relevance and effectiveness, it needs to adapt to an evolving global order characterised by the rise of new powers in the global South such as China, India, and Brazil, as well as internal developments in both the ACP and the EU. This is crucial for the ACP group, in particular, given its core focus on development cooperation with Europe. The authors in this volume examine the history of the ACP-EU partnership since 1975; the EU's relationship with the African, Caribbean, and Pacific regions individually; ACP experiences with economic partnership agreements (EPAs) with the EU; and new political issues such as security, migration, and diasporas. Shedding light on the future prospects of this partnership, this book will be of interest to both scholars and policymakers working on ACP-EU relations and related development issues, including trade, aid, security, and migration.
