1. Record Nr. UNINA9910705426903321

Titolo	Energy and water development appropriations bill, 2015 : report together with additional views (to accompany H.R. 4923)
Pubbl/distr/stampa	[Washington, D.C.] : , : [U. S. Government Printing Office], , [2014]
Descrizione fisica	1 online resource (225 pages)
Collana	Report / 113th Congress, 2d session, House of Representatives ; ; 113-486
Soggetti	Energy development - Law and legislation - United States Water resources development - Finance - Law and legislation - United States Energy development - Law and legislation Expenditures, Public Water resources development - Finance - Law and legislation Legislative materials. United States Appropriations and expenditures, 2015 United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on June 23, 2014). "June 20, 2014."

2. Record Nr. UNISA996207474903316

Titolo	TechTrends : for leaders in education & training
Pubbl/distr/stampa	[Washington, D.C.], : Association for Educational Communications & Technology [New York], : Springer US
ISSN	1559-7075
Disciplina	371.3/07/8
Soggetti	Audio-visual education Education - Data processing Computer-assisted instruction Educational Technology Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed Published: Bloomington, IN, 1999- Subtitle varies.

3. Record Nr. UNINA9911019492703321

Autore	Kuhl Olaf
Titolo	Functionalised N-heterocyclic carbene complexes / / Olaf Kuhl
Pubbl/distr/stampa	Chichester, West Sussex, : Wiley, 2010
ISBN	9786612482205 9781282482203 1282482203 9780470685839 0470685832 9780470685846 0470685840
Descrizione fisica	1 online resource (365 p.)
Classificazione	CHE 330f CHE 612f CHE 670f
Disciplina	541/.2242
Soggetti	Ligands Heterocyclic compounds Transition metal complexes
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	Cover; Contents; Abbreviations; Introduction; Chapter 1 The Nature of N-Heterocyclic Carbenes; 1.1 Synthesis; 1.1.1 Synthesis of the Imidazolium Salts; 1.1.2 Closing the Ring; 1.1.3 Synthesis of the Free Carbenes; 1.1.4 Synthesis of Transition Metal Complexes of NHC; 1.2 Properties of NHC; 1.2.1 The Internal Electronic Structure; 1.2.2 Basicity of NHC; 1.2.3 Steric Properties; 1.2.4 The Carbene-Metal Bond; 1.2.5 Decomposition Pathways; References; Chapter 2 Why Functionalisation?; 2.1 Phosphane Mimic; 2.2 Hemilability; 2.3 Chirality; 2.3.1 Planar Chirality; 2.3.2 Axial Chirality 2.4 Ligand Geometry2.5 Catalysis; 2.5.1 Allylic Alkylation; 2.5.2 Coupling Reactions; 2.5.3 Olefin Metathesis; 2.5.4 Polymerisations; 2.5.5 Organocatalysis; References; Chapter 3 N-Heterocyclic Carbenes with Neutral Tethers; 3.1 Amine Functionalities; 3.1.1 Heteroaromatic

Functional Groups; 3.1.2 Oxazolines; 3.1.3 Imino Functional Groups; 3.1.4 Amino Functionalised NHC; 3.2 Oxygen-Containing Groups; 3.3 Phosphane Functionalities; 3.4 Bis-Carbene Ligands; 3.5 Tris-N-Heterocyclic Carbene Ligands; 3.6 Pincer Carbenes; References; Chapter 4 N-Heterocyclic Carbenes with Anionic Functional Groups
4.1 Oxygen-Containing Groups4.2 Nitrogen-Containing Groups; 4.3 NHC Ligands Incorporating Cp Moieties; 4.4 Transition Metal NHC Complexes Involved in the Activation of C-H Bonds; 4.5 Immobilisation of the Catalyst; 4.6 Sulfur-Containing Functional Groups; References; Chapter 5 Chiral N-Heterocyclic Carbenes; References; Chapter 6 Natural Products; 6.1 Thiazole; 6.1.1 Isolation and Stability of Thiazolylidene; 6.1.2 Benzothiazoles; 6.1.3 Metal Complexes; 6.2 Amino Acids; 6.3 Purines and Xanthines; 6.4 Carbohydrates; 6.5 Miscellaneous; References; Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N OP; Q; R; S; T; U; V; W; X; Z

Sommario/riassunto

N-heterocyclic carbenes (NHCs) have found increasing use as reagents for a range of organic transformations and in asymmetric organocatalysis. The performance of these molecules can be improved and tuned by functionalisation. Functionalised carbenes can anchor free carbenes to the metal site, introduce hemilability, provide a means to immobilise transition metal carbene catalysts, introduce chirality, provide a chelate ligand or bridge two metal centres. NHC can be attached to carbohydrates and campher, derived from amino acids and purines, they can be used as organocatalysts mimicking vitamin