1. Record Nr. UNISA990003214880203316

Autore	COLOMBO, Emilio
Titolo	Economia dei mercati emergenti / Emilio Colombo, Marco Lossani
Pubbl/distr/stampa	Roma : Carocci, 2009
ISBN	978-88-430-4816-8
Descrizione fisica	344 p. ; 24 cm
Collana	Università , Economia ; 795
Altri autori (Persone)	LOSSANI, Marco
Disciplina	332.091724
Soggetti	Mercati finanziari - Paesi in via di sviluppo
Collocazione	332.091 COL 2
Lingua di pubblicazione	Italiano
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Livello bibliografico	Monografia

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Autore	Kamer Paul
Titolo	Phosphorus(III) ligands in homogeneous catalysis [[electronic resource]] : design and synthesis / / edited by Paul Kamer & Piet W.N.M. van Leeuwen
Pubbl/distr/stampa	Chichester, West Sussex, United Kingdom, : John Wiley & Sons, Ltd., 2012
ISBN	1-280-78471-7 9786613695109 1-118-29970-1 1-118-29971-X 1-118-29973-6
Descrizione fisica	1 online resource (567 p.)
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Altri autori (Persone)	LeeuwenP. W. N. M. van (Piet W. N. M.)
Disciplina	541.2242 546.712595 546/.712595
Soggetti	Phosphorus compounds Ligands Catalysis TECHNOLOGY & ENGINEERING / Material Science Electronic books.
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Phosphorus(III) Ligands in Homogeneous Catalysis: Design and Synthesis; Contents; List of Contributors; Preface; 1 Phosphorus Ligand Effects in Homogeneous Catalysis and Rational Catalyst Design; 1.1 Introduction; 1.2 Properties of phosphorus ligands; 1.2.1 Electronic ligand parameters; 1.2.2 Steric ligand parameters; 1.2.3 Bite angle effects; 1.2.4 Molecular electrostatic potential (MESP) approach; 1.3 Asymmetric ligands; 1.4 Rational ligand design in nickel-catalysed hydrocyanation; 1.4.1 Introduction; 1.4.2 Mechanistic insights; 1.4.3 Rational design; 1.5 Conclusions; References 2 Chiral Phosphines and Diphosphines2.1 Introduction; 2.1.1 Early developments; 2.2 Chiral chelating diphosphines with a linking

scaffold; 2.2.1 Building chiral backbones from naturally available materials; 2.2.2 Design and synthesis of chiral backbones; 2.2.3 Synthesis from optical resolution of phosphine precursors or intermediates; 2.3 Chiral atropisomeric biaryl diphosphines; 2.3.1 Synthesis of BINAP and its derivatives; 2.3.2 Synthesis of atropisomeric biaryl ligands; 2.3.3 General strategies of synthesizing of atropisomeric biaryl ligands; 2.4 Chiral phosphacyclic diphosphines
2.4.1 Fundamental discovery and syntheses of BPE and DuPhos2.4.2 Design and synthesis of bisphosphetanes; 2.4.3 Design and synthesis of bisphospholanes; 2.4.4 Design and synthesis of bisphospholes; 2.4.5 Design and synthesis of bisphosphinanes; 2.4.6 Design and synthesis of bisphosphepines; 2.4.7 Summary of synthetic strategies of phosphacycles; 2.5 P-stereogenic diphosphine ligands; 2.6 Experimental procedures for the syntheses of selected diphosphine ligands; 2.6.1 Synthesis procedure for DIOP* ligand; 2.6.2 Synthesis procedure of SDP ligands; 2.6.3 Synthesis procedure of (R,R)-BICP 2.6.4 Synthesis procedure of SEGPHOS2.6.5 Synthesis procedure of Ph-BPE; 2.6.6 Synthesis procedure of TangPhos; 2.6.7 Synthesis procedure of Binaphane; 2.7 Concluding remarks; References; 3 Design and Synthesis of Phosphite Ligands for Homogeneous Catalysis; 3.1 Introduction; 3.2 Synthesis of phosphites; 3.2.1 Monophosphites; 3.2.2 Diphosphite ligands; 3.2.3 Triphosphites; 3.3 Highlights of catalytic applications of phosphite ligands; 3.3.1 Hydrogenation reactions; 3.3.2 Functionalization of alkenes: hydroformylation and hydrocyanation 3.3.3 Addition of nucleophiles to carbonyl compounds and derivatives3.3.4 Allylic substitution reactions; 3.3.5 Miscellaneous reactions; 3.4 General synthetic procedures; 3.4.1 Symmetrically substituted phosphites; 3.4.2 Nonsymmetrically substituted phosphites; 3.4.3 Phosphites bearing dioxaphospho-cyclic units; References; 4 Phosphoramidite Ligands; 4.1 Introduction; 4.1.1 History; 4.2 Synthesis of phosphoramidites; 4.3 Reactivity of the phosphoramidites; 4.4 Types of phosphoramidite ligands; 4.4.1 Acyclic monodentate phosphoramidites; 4.4.2 Cyclic monodentate phosphoramidites based on diols
4.4.3 Cyclic phosphoramidites based on amino alcohols

Sommario/riassunto

"Over the last 60 years the increasing knowledge of transition metal chemistry has resulted in an enormous advance of homogeneous catalysis as an essential tool in both academic and industrial fields. Remarkably, phosphorus(III) donor ligands have played an important role in several of the acknowledged catalytic reactions. The positive effects of phosphine ligands in transition metal homogeneous catalysis have contributed largely to the evolution of the field into an indispensable tool in organic synthesis and the industrial production of chemicals.This book aims to address the design and synthesis of a comprehensive compilation of P(III) ligands for homogeneous catalysis. It not only focuses on the well-known traditional ligands that have been explored by catalysis researchers, but also includes promising ligand types that have traditionally been ignored mainly because of their challenging synthesis.Topics covered include ligand effects in homogeneous catalysis and rational catalyst design, P-stereogenic ligands, calixarenes, supramolecular approaches, solid phase synthesis, biological approaches, and solubility and separation.Ligand families covered in this book include phosphine, diphosphine, phosphite, diphosphite, phosphoramidite, phosphonite, phosphinite, phosphole, phosphinine, phosphinidenene, phosphaalkenes, phosphaalkynes, P-chiral ligands, and cage ligands.Each ligand class is accompanied by detailed and reliable synthetic procedures. Often the rate limiting step in the application of ligands in catalysis is the synthesis of the ligands

		themselves, which can often be very challenging and time consuming. This book will provide helpful advice as to the accessibility of ligands as well as their synthesis, thereby allowing researchers to make a more informed choice.Phosphorus(III) Ligands in Homogeneous Catalysis: Design and Synthesis is an essential overview of this important class of catalysts for academic and industrial researchers working in catalyst development, organometallic and synthetic chemistry"--

3.	Record Nr.	UNISA996466164303316
	Titolo	Artificial Neural Networks - ICANN 2006 [[electronic resource]] : 16th International Conference, Athens, Greece, September 10-14, 2006, Proceedings, Part II / / edited by Stefanos Kollias, Andreas Stafylopatis, Wlodzislaw Duch, Erkki Oja
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2006
	ISBN	3-540-38873-7
	Edizione	[1st ed. 2006.]
	Descrizione fisica	1 online resource (XXXIV, 1028 p.)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4132
	Disciplina	004.0151
	Soggetti	Computer science Artificial intelligence Pattern recognition systems Application software Database management Neurosciences Theory of Computation Artificial Intelligence Automated Pattern Recognition Computer and Information Systems Applications Database Management Neuroscience
	Lingua di pubblicazione	Inglese
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	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references and index.

Nota di contenuto	Neural Networks, Semantic Web Technologies and Multimedia Analysis (Special Session) -- Bridging the Semantic Gap in Multimedia Machine Learning Approaches (Special Session) -- Signal and Time Series Processing (I) -- Signal and Time Series Processing (II) -- Data Analysis (I) -- Data Analysis (II) -- Pattern Recognition -- Visual Attention Algorithms and Architectures for Perceptional Understanding and Video Coding (Special Session) -- Vision and Image Processing (I) -- Vision and Image Processing (II) -- Computational Finance and Economics (Special Session) -- Neural Computing in Energy Engineering (Special Session) -- Applications to Biomedicine and Bioinformatics -- Applications to Security and Market Analysis -- Real World Applications (I) -- Real World Applications (II).
Sommario/riassunto	This book includes the proceedings of the International Conference on Artificial Neural Networks (ICANN 2006) held on September 10-14, 2006 in Athens, Greece, with tutorials being presented on September 10, the main conference taking place during September 11-13 and accompanying workshops on perception, cognition and interaction held on September 14, 2006. The ICANN conference is organized annually by the European Neural Network Society in cooperation with the International Neural Network Society, the Japanese Neural Network Society and the IEEE Computational Intelligence Society. It is the premier European event covering all topics concerned with neural networks and related areas. The ICANN series of conferences was initiated in 1991 and soon became the major European gathering for experts in these fields. In 2006 the ICANN Conference was organized by the Intelligent Systems Laboratory and the Image, Video and Multimedia Systems Laboratory of the National Technical University of Athens in Athens, Greece. From 475 papers submitted to the conference, the International Program Committee selected, following a thorough peer-review process, 208 papers for publication and presentation to 21 regular and 10 special sessions. The quality of the papers received was in general very high; as a consequence, it was not possible to accept and include in the conference program many papers of good quality.