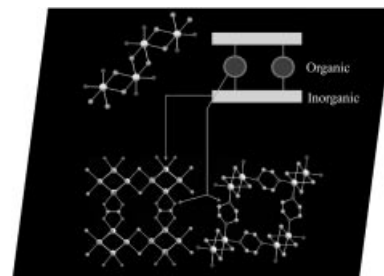


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COVER PICTURE

The cover picture shows a schematic illustration of the unusual inorganic-organic hybrid structures (upper right) formed by linking of the inorganic building units through organic linkers. The structures of two different compounds (bottom) containing the inorganic cadmium chloride chains (upper left corner) linked by oxalate and piperazine moieties into two and three dimensions are also shown. Color scheme: Cd – yellow; Cl – green; O – red; N – violet; C – blue. Details are discussed in the article by C. N. R. Rao et al. on p. 1675 ff.



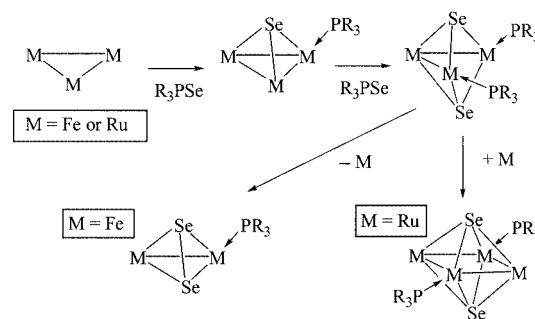
MICROREVIEW

Contents

1659 C. Graiff, G. Predieri, A. Tiripicchio*

Phosphane-Substituted Selenido-(carbonyl)-
 iron and -(carbonyl)ruthenium Clusters:
 Structures, Fluxionality and Reactivity

Keywords: Crystal structures / Fluxional behaviour /
 Iron clusters / Ruthenium clusters /
 Selenium compounds

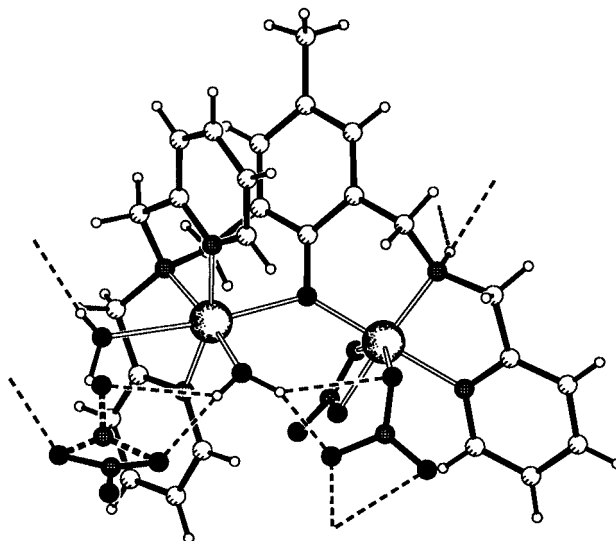


SHORT COMMUNICATION

1669 I. A. Koval, D. Pursche, A. F. Stassen,
P. Gamez, B. Krebs, J. Reedijk*

The Dicopper(II) Complex of the Novel Asymmetric Dinucleating Ligand Hpy3asym as a Structural Model of Catechol Oxidase

Keywords: Copper / Cyclic voltammetry / Enzyme models / Ligand design / Magnetic properties

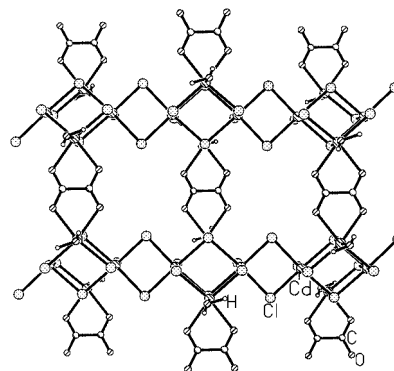


FULL PAPERS

1675 R. Vaidhyanathan, S. Natarajan,
C. N. R. Rao*



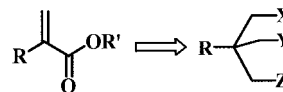
Solvothermal Synthesis of a Layered Open-Framework Chlorocadmium Oxalate, $\text{Cd}_2(\text{C}_2\text{O}_4)_{0.5}\text{Cl}_3\text{NaCl}\cdot 4\text{H}_2\text{O}$



Keywords: Materials science / Cadmium / Solvothermal synthesis / Metathesis

1681 R. Faissner, G. Huttner,* E. Kaifer,
P. Rutsch

Synthesis of C_1 -Symmetric Tripod Ligands Containing a P,P,N Donor Set – η^2 -Coordination in d^8 -Metal Complexes

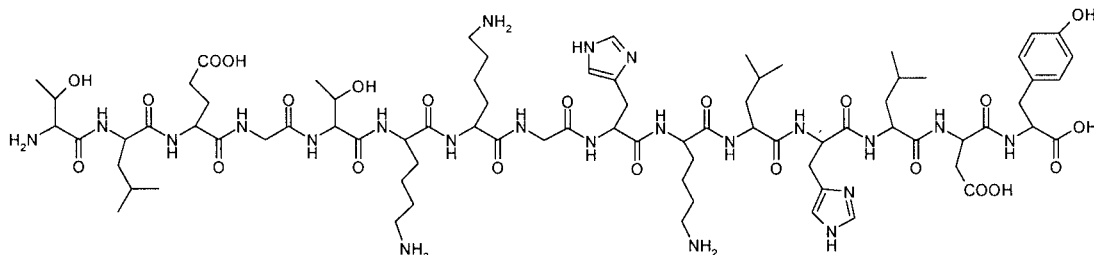


Keywords: Mixed donor sets / Nickel / Palladium / Rhodium / Tripodal ligands

- 1694** C. Conato, W. Kamysz, H. Kozłowski,*
M. Łuczowski, Z. Mackiewicz, F. Mancini,
P. Młynarz, M. Remelli,* D. Valensin,
G. Valensin



Cu^{II} Ion Coordination to an Unprotected Penta-decapeptide Containing Two His Residues: Competition Between the Terminal Amino and the Side-Chain Imidazole Nitrogen Donors

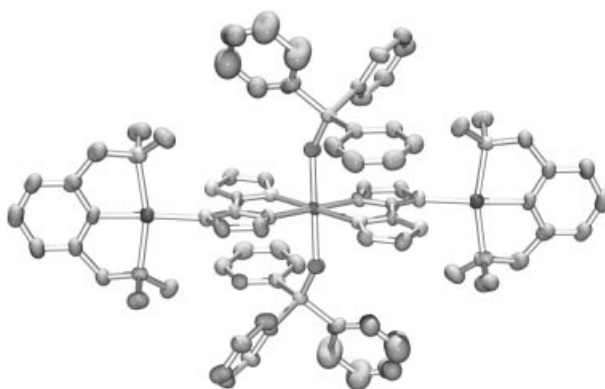


Keywords: Copper / Peptides / Coordination chemistry / Bioinorganic chemistry

- 1703** A. Mayboroda, P. Comba,* H. Pritzkow,
G. Rheinwald, H. Lang, G. van Koten



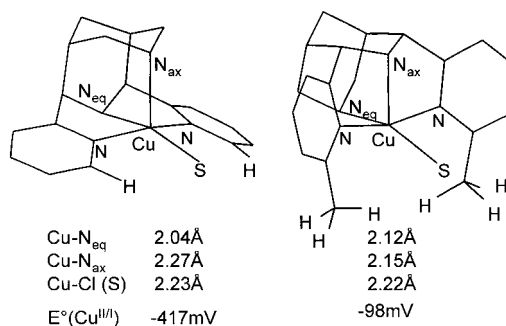
Heterotrinnuclear Complexes of the Platinum Group Metals with 2,2'-Biimidazole as a Bridging Ligand



Keywords: Osmium / Platinum / Palladium / Heterometallic complexes / Cyclic voltammetry / Hydrogenation

- 1711** P. Comba,* M. Merz, H. Pritzkow

Catalytic Aziridination of Styrene with Copper Complexes of Substituted 3,7-Diazabicyclo[3.3.1]nonanones

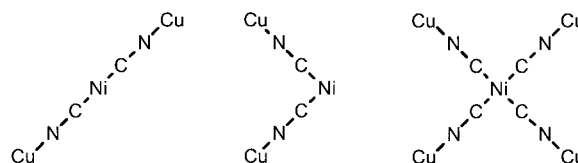


Keywords: Copper / N ligands / Catalysis

- 1719** M.-L. Flay, H. Vahrenkamp*

Cyanide-Bridged Oligonuclear Complexes Containing Ni-CN-Cu and Pt-CN-Cu Linkages

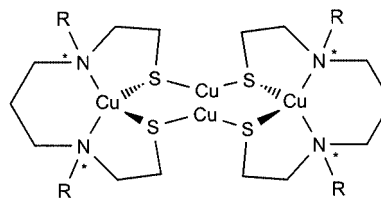
Keywords: Nickel / Platinum / Copper / Cyanide



1727 J. Schneider, M. Köckerling, R. Kopitzky, G. Henkel*

Metal-Controlled Stereoselectivity in Complex Formation: Assembly of Tetranuclear Copper(I) Complexes with Four Stereogenic Nitrogen Donor Functions in all-(*R*) and all-(*S*) Configurations

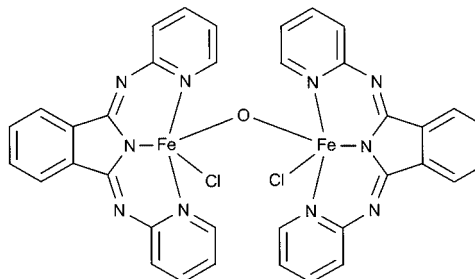
Keywords: Copper / Chirality / N ligands / S ligands / Metal-controlled stereoselectivity



1735 E. Balogh-Hergovich, G. Speier,* M. Réglér, M. Giorgi, E. Kuzmann, A. Vértés

Synthesis, Structure, and Catalytic Activity of New μ -Oxo-Bridged Diiron(III) Complexes

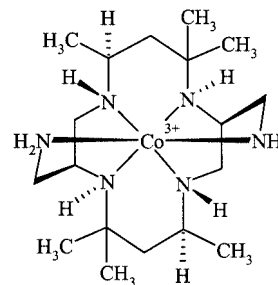
Keywords: Iron / Tripodal ligands / Peroxides / Oxidation



1741 B. Korybut-Daszkiewicz,* J. Taraszewska,* K. Zięba, K. Woźniak, D. Kamiński

Cobalt(III) Tetraazamacrocyclic Complexes with Pendant Amino Groups: Synthesis, Structure and Electrochemical Properties

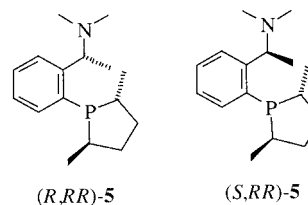
Keywords: Macrocyclic ligands / N ligands / Cobalt / Electrochemistry



1748 D. J. Brauer,* K. W. Kottsieper, S. Roßenbach, O. Stelzer

Novel P,N Ligands Derived from (*R*)- and (*S*)-1-Phenylethylamine with (2*R*,5*R*)-2,5-Dimethylphospholanyl Groups (DuPHAMIN) for Asymmetric Catalysis

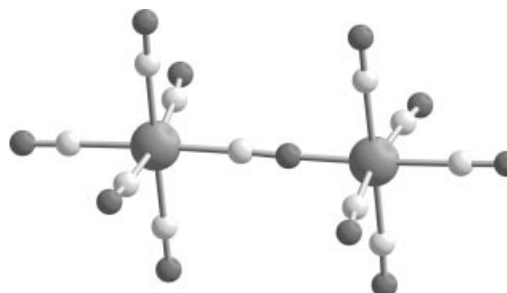
Keywords: Asymmetric catalysis / N,P ligands / Rhodium



1756 C. Desplanches, E. Ruiz,* S. Alvarez

Exchange Coupling in Metal Complexes of the Second Transition Series: A Theoretical Exploration

Keywords: Density functional calculations / Electronic structure / Magnetic properties / Molybdenum / Ruthenium

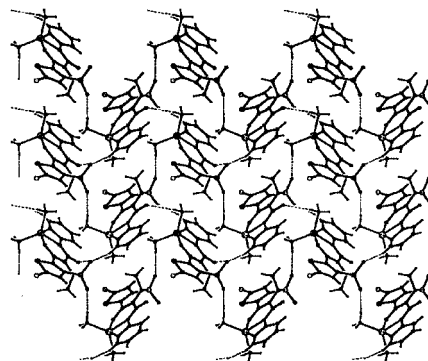


1761

A. Galani, M. A. Demertzis, M. Kubicki,
D. Kovala-Demertzi*

Organotin-Drug Interactions. Organotin Adducts of Lornoxicam, Synthesis and Characterisation of the First Complexes of Lornoxicam

Keywords: Antitumour agents / Tin / Supramolecular chemistry / Drug delivery

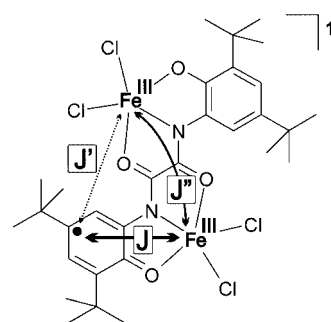


1768

U. Beckmann, E. Bill, T. Weyhermüller,
K. Wieghardt*

Exchange Interactions and Covalency in Dinuclear Complexes of Iron(III) and Gallium(III) Containing the Redox-Noninnocent Ligand 1,2-Bis(3,5-di-*tert*-butyl-2-hydroxyphenyl)oxamide

Keywords: Iron / Gallium / EPR spectroscopy / Moessbauer spectroscopy / Radicals / Magnetic properties / Exchange interactions

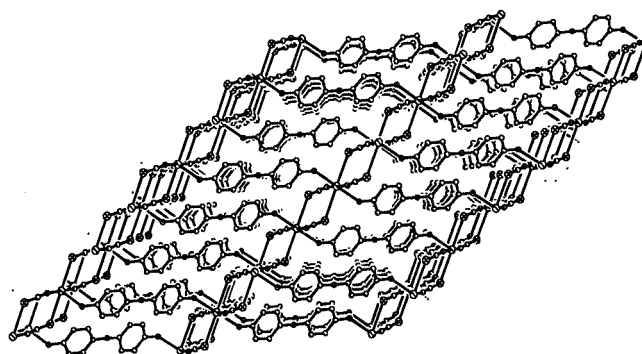


1778

J. Luo, M. Hong,* R. Wang, R. Cao, Q. Shi,
J. Weng

Self-Assembly of Five Cadmium(II) Coordination Polymers from 4,4'-Diaminodiphenylmethane

Keywords: Cadmium / Coordination polymers / Self-assembly / N ligands

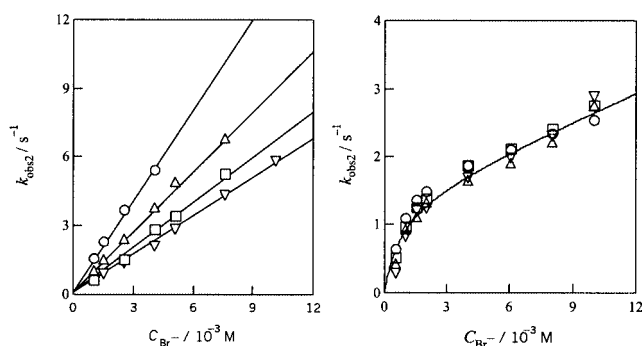


1785

K. Shimazaki, H. Sekiya, H. Inoue,
N. Saeki, K. Ishihara,* K. Matsumoto*

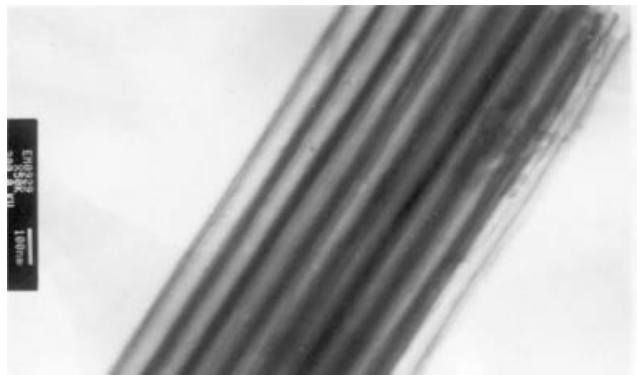
Mechanisms of the Axial Ligand Substitution Reactions of Dinuclear, Head-to-Head α -Pyrrolidonato- and Pivalamidato-Bridged *cis*-Diammineplatinum(III) Complexes with Halide Ions

Keywords: Platinum / Kinetics / Mechanism / α -Pyrrolidone / Pivalamide



A Two-Step Route to Self-Assembly of CdS Nanotubes via Electrodeposition and Dissolution

Keywords: Cadmium / Sulfides / Nanotubes / Self-assembly / Electrochemistry



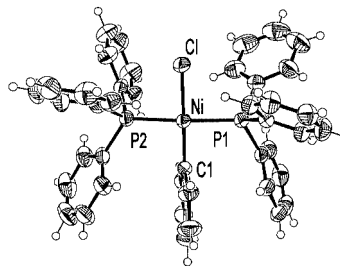
Self-Assembly of Organodiphosphonate, Polyoxomolybdate and Diphenanthrolinecobalt(II) into Two Clusters and One Linear Polymer

Keywords: Polyoxometalates / Molybdenum / Cobalt / N ligands / Clusters



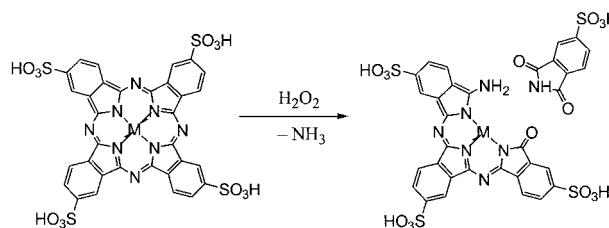
Structural Characterization and a New One-Pot Synthesis of *trans*-Chloro(phenyl)bis(triphenylphosphane)nickel(II)

Keywords: Polymerization / Density functional theory calculations / Nickel / Phosphane ligands



Rapid and Selective Oxidation of Metallo-sulfophthalocyanines Prior to Their Usefulness as Precatalysts in Oxidation Reactions

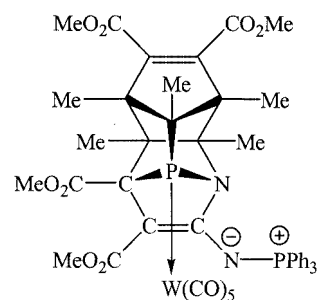
Keywords: Mass spectrometry / Homogeneous catalysis / Inorganic peroxides / Phthalocyanines / Oxidation



1815 N. Hoffmann, C. Wismach, L. Ernst,
H. Schiebel, P. G. Jones, R. Streubel*

A New Concept for the Efficient Synthesis of
Chiral Phosphorus–Nitrogen–Carbon Cage
Compounds

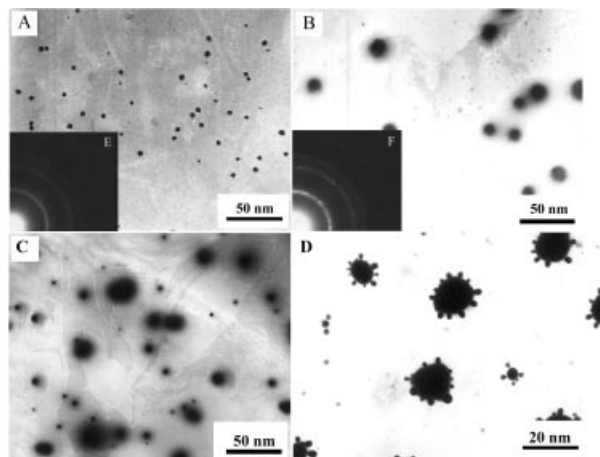
Keywords: Azaphospholes / Phosphorus / Cage
compounds / Tungsten / Cyclization



1822 S. Gao, J. Lu, Y. Zhao, N. Chen, Y. Xie*

The Growth Process, Stability of GaP Nano-
crystals and Formation of Ga₃P Nanocrystals
under Solvothermal Conditions in Benzene

Keywords: Gallium / Phosphides / Nanostructures /
Solvothermal synthesis



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