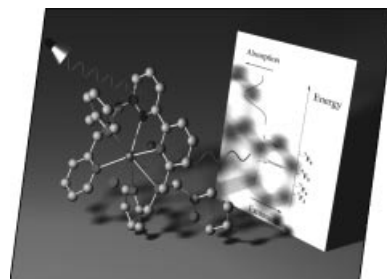


Earliest available Table of Contents:
 Automatically, free of charge by e-mail through
www.interscience.wiley.com/alerts

COVER PICTURE

The cover picture shows the absorbance of incident UV light in the bipyridine chromophore of a polypyridyl complex of terbium(3+). Subsequent energy transfer to the metal centre results in a metal-centred emission of VIS light. Topical aspects are presented in the Microreview by A. Døssing on p. 1425ff.



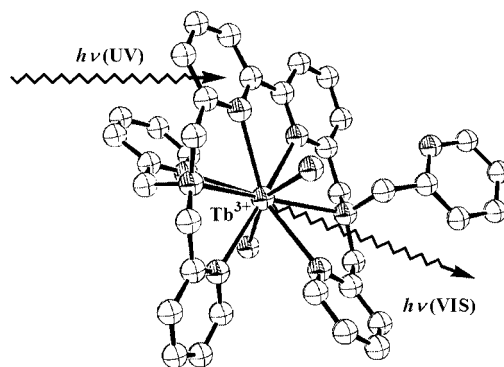
MICROREVIEW

Contents

1425 A. Døssing*

Luminescence from Lanthanide(3+) Ions in Solution

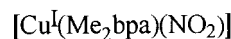
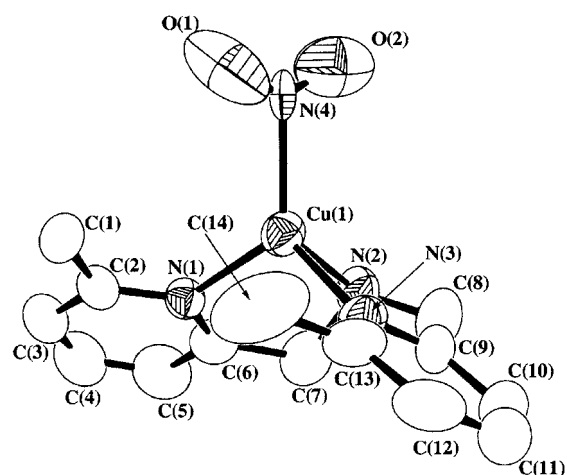
Keywords: Lanthanides / Luminescence / Fluorescent probes



1435 H. Yokoyama, K. Yamaguchi,*
M. Sugimoto, S. Suzuki



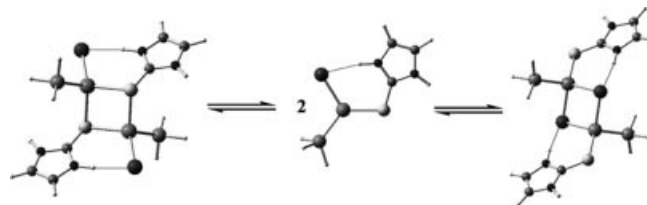
Cu^I and Cu^{II} Complexes Containing Nitrite and Tridentate Aromatic Amine Ligand as Models for the Substrate-Binding Type-2 Cu Site of Nitrite Reductase



Keywords: Bioinorganic chemistry / Copper / N ligands / Tridentate ligands

1442 S. K. Hadjikakou,* C. D. Antoniadis,
P. Aslanidis, P. J. Cox, A. C. Tsipis*

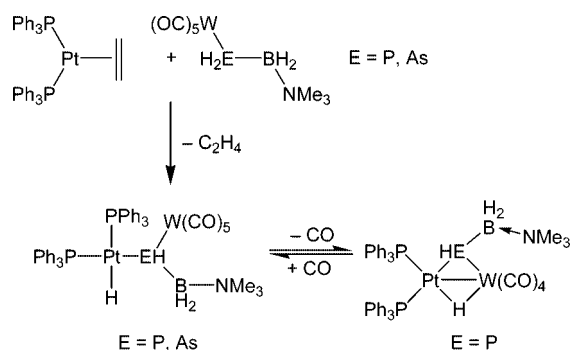
An Exploration of the Structural and Bonding Variability in Mixed-Ligand Benzimidazole-2-thione(bromo)(triarylphosphane)dicopper(I) Complexes with Diamond-Shaped Cu₂(μ-X)₂ Core Structures



Keywords: Bridging ligands / Copper / Density functional calculations / S ligands

1453 U. Vogel, K.-C. Schwan, P. Hoemensch,
M. Scheer*

Reactivity of Lewis Acid/Base Stabilized Phosphanyl- and Arsanylboranes towards a Platinum(0) Complex

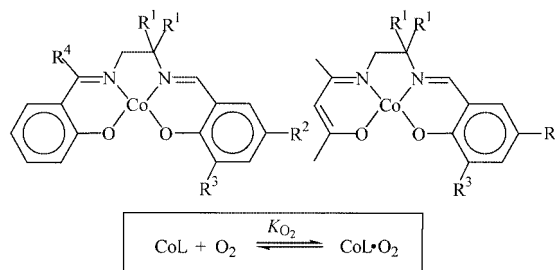


Keywords: Arsenic / Boron / Phosphorus / Reactivity / Platinum

1459 A. Huber, L. Müller, H. Elias,* R. Klement,
M. Valko



Cobalt(II) Complexes with Substituted Salen-Type Ligands and Their Dioxxygen Affinity in *N,N*-Dimethylformamide at Various Temperatures

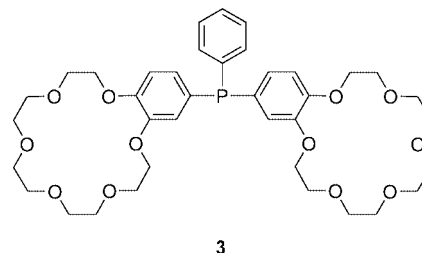


Keywords: Cobalt / Oxygen / Schiff bases / Substituent effects / Thermodynamics

1468 J. Fresneda, E. de Jesús,* P. Gómez-Sal,
C. López Mardomingo

Synthesis of Palladium(II) and Platinum(II)
Complexes with Crown Ether Phosphane
Ligands: Stille Coupling of Aryl Iodides in Water

Keywords: Aqueous-phase catalysis / Crown
compounds / C–C coupling / Palladium /
Phosphane ligands

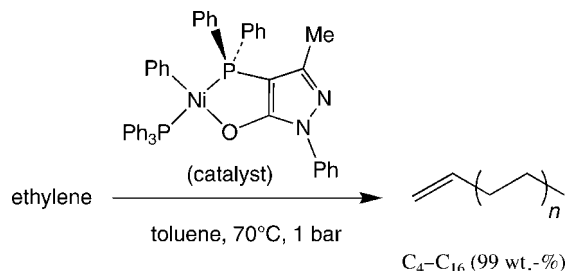


1477 P. Kuhn, D. Sémeril, C. Jeunesse, D. Matt,*
P. Lutz,* R. Welter



An Efficient Keim-Type Catalyst Based on an
Electron-Poor *P,O*-Chelate; Tuning the Selectiv-
ity of Ethylene Oligomerisation towards Short
 α -Olefins

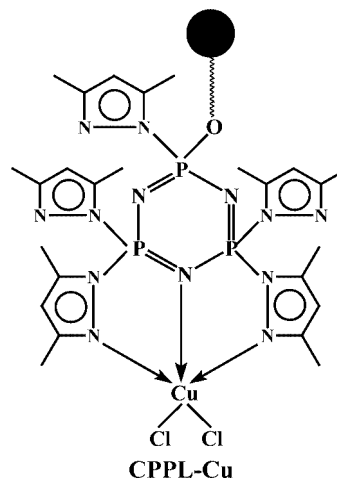
Keywords: Nickel *P,O* complexes / 4-Phosphanyl-
pyrazolonate / Oligomerisation / Phos-
phorus ylides / Electron-withdrawing li-
gands / X-ray diffraction



1482 V. Chandrasekhar,* A. Athimoolam,
V. Krishnan, R. Azhakar, C. Madhavaiah,
S. Verma*

A Copper-Metalated, Hybrid Inorganic–
Organic Polymer as an Oxidative Nuclease

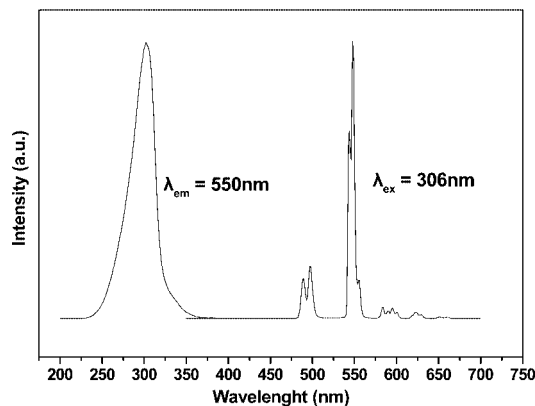
Keywords: Chemical nucleases / Phosphazenes /
Pendant polymers / Copper complexes /
Phosphate ester hydrolysis / Hetero-
geneous catalysis



1487 X. Pang, H. Sun, Y. Zhang, Q. Shen,*
H. Zhang

Synthesis, Structure, and Luminescent Proper-
ties of Guanidinate-Based Terbium Complexes

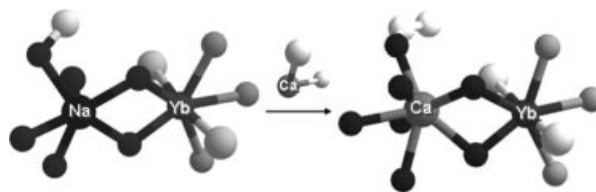
Keywords: Terbium complex / Guanidinate / Lumin-
escence / Lanthanides



1492 A. Barge, M. Botta, U. Casellato,
S. Tamburini,* P. A. Vigato

Selectivity of Asymmetric Macrocyclic Compartmental Lanthanide(III) Complexes towards Alkali and Alkaline-Earth Metal Ions

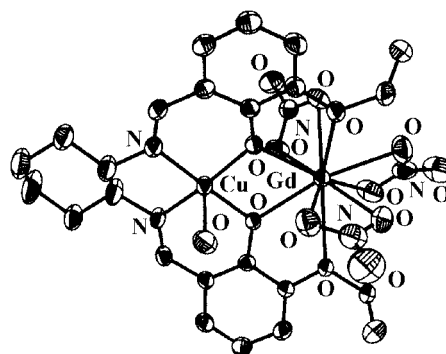
Keywords: Lanthanides / Schiff bases / Shift reagents / ^{23}Na NMR / Macrocyclic ligands



1500 R. Koner, G.-H. Lee, Y. Wang, H.-H. Wei,*
S. Mohanta*

Two New Diphenoxo-Bridged Discrete Dinuclear $\text{Cu}^{\text{II}}\text{Gd}^{\text{III}}$ Compounds with Cyclic Diimino Moieties: Syntheses, Structures, and Magnetic Properties

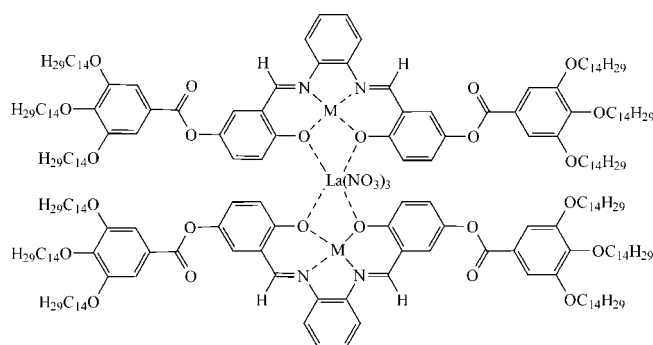
Keywords: Magnetic properties / Compartmental ligands / Gadolinium(III) / Ferromagnetic / Heterometallic complexes



1506 K. Binnemans,* K. Lodewyckx, B. Donnio,
D. Guillon

Mixed f-d Metallomesogens with an Extended Rigid Core

Keywords: Copper / Lanthanides / Liquid crystals / Metallomesogens / Nickel

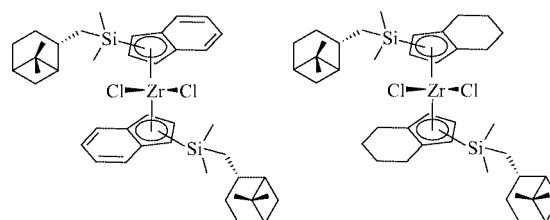


1514 S. Silver, A. Puranen, R. Sjöholm, T. Repo,
R. Leino*



Chiral Indenes and Group-4 Metallocene Dichlorides Containing α - and β -Pinenyl-Derived Ligand Substituents: Synthesis and Catalytic Applications in Polymerization and Carboalumination Reactions

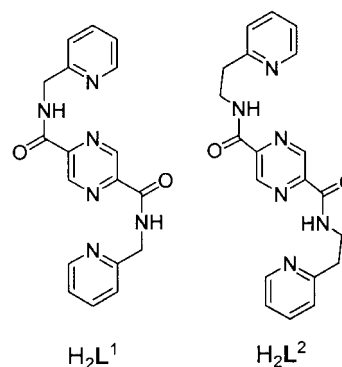
Keywords: Homogeneous catalysis / Indenyl ligands / Metallocenes / Olefin polymerization / Carboalumination



1530 J. Klingele (née Hausmann), B. Moubaraki,
K. S. Murray, J. F. Boas, S. Brooker*

Dinuclear Copper(II) Complexes of Two Homologous Pyrazine-Based Bis(terdentate) Diamide Ligands

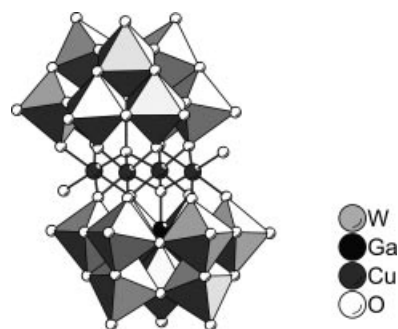
Keywords: N ligands / Copper / Amides / Pyrazine / Hexafluorosilicate



1542 D. Drewes, E. M. Limanski, B. Krebs*

The First Sandwich-Type Heteropolytungstates Consisting of Trivalent Gallium(III)-Substituted Keggin Fragments

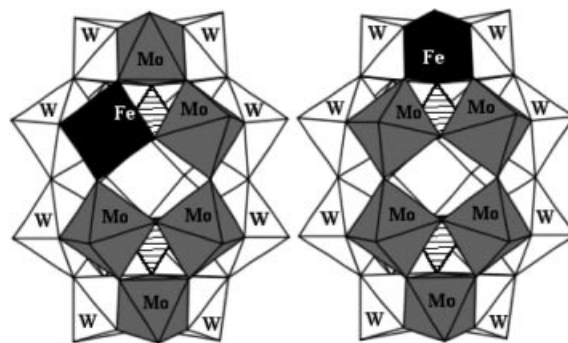
Keywords: Gallium / Heteropolytungstates / Polyoxometalates / Tungsten



1547 I. M. Mbomekalle, Y. W. Lu, B. Keita,
L. Nadjio,* W. A. Neiwert, K. I. Hardcastle,
C. L. Hill,* T. M. Anderson

Crystallographic Studies of a Molybdenum-Rich Diarsenotungstate and Reaction of Fe^{III} with its Isomerically Pure α_1 - and α_2 -Monolacunary Derivatives

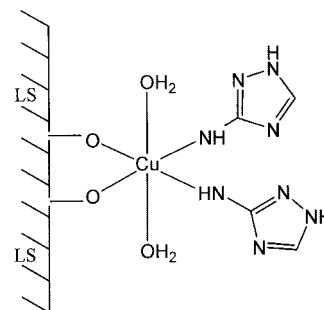
Keywords: Polyoxometalates / Cyclic voltammetry / Molybdenum / Iron / Tungsten



1552 K. Flogéac, E. Guillon,* M. Aplincourt

Co-Adsorption of Copper(II) and 3-Amino-1,2,4-triazole at a Water–Natural Macromolecular Compound Interface: Molecular Structure from Adsorption Isotherms Combined with X-ray Absorption Measurements

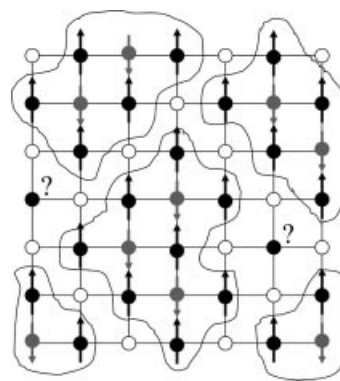
Keywords: Adsorption / Environmental chemistry / Pesticides / Structure elucidation / Surface chemistry / X-ray absorption spectroscopy



1559 M. C. Viola, J. A. Alonso,*
J. C. Pedregosa, R. E. Carbonio

Crystal Structure and Magnetism of the Double Perovskite $\text{Sr}_3\text{Fe}_2\text{MoO}_9$: A Neutron Diffraction Study

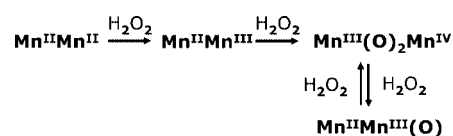
Keywords: Double perovskite / Neutron diffraction / Antiferromagnetic ordering



1565 L. Dubois, D.-F. Xiang, X.-S. Tan,
J.-M. Latour

Kinetic and Thermodynamic Studies of the Disproportionation of Hydrogen Peroxide by Dimanganese(II,II) and -(II,III) Complexes of a Bridging Phenolate Ligand

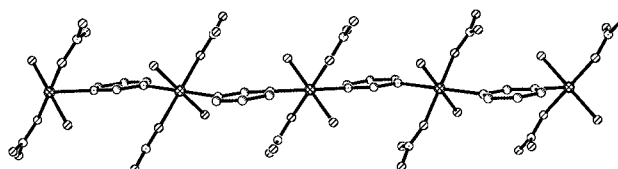
Keywords: Manganese / Catalase / H_2O_2 disproportionation / Kinetics



1572 S. A. Barnett, N. R. Champness,* C. Wilson

One-Dimensional Chains Formed by First-Row Transition Metal(II) Nitrates and Pyrimidine – Influence of Water Coordination on Structural Reliability

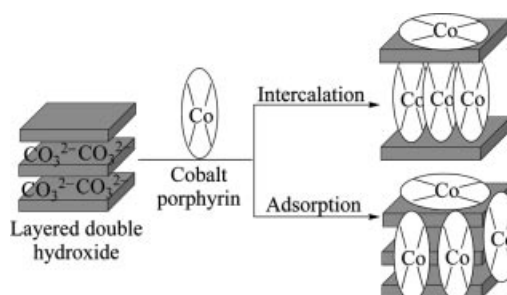
Keywords: Coordination frameworks / Coordination polymer / Crystal structure / Metal nitrates / Pyrimidine



1577 C. A. S. Barbosa, A. M. D. C. Ferreira,
V. R. L. Constantino*

Synthesis and Characterization of Magnesium-Aluminum Layered Double Hydroxides Containing (Tetrasulfonated porphyrin)cobalt

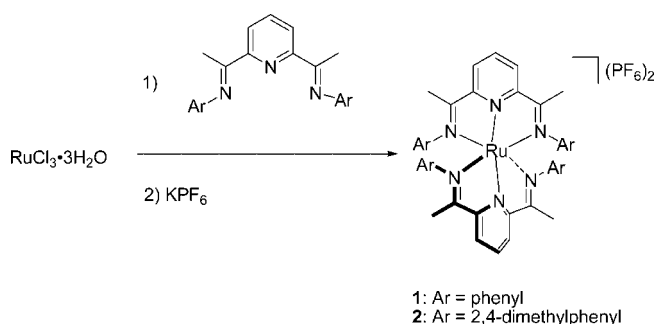
Keywords: Composites / Intercalations / Layered compounds / Organic–inorganic hybrid composites / Porphyrins



1585 Y. Jiang, C. Xi,* Y. Liu,
J. Nicolás-Gutiérrez,* D. Choquesillo-Lazarte

Intramolecular “ $\text{CH}\cdots\pi$ (Metal Chelate Ring) Interactions” as Structural Evidence for Metalloaromaticity in Bis(pyridine-2,6-diimine) Ru^{II} Complexes

Keywords: Metalloaromaticity / Ruthenium / $\text{CH}\cdots\pi$ interaction / Chelates

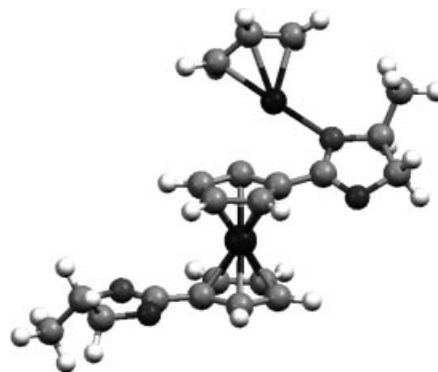


1589

C. G. Hartinger,* A. A. Nazarov,*
V. B. Arion, G. Giester, M. L. Kuznetsov,
M. Galanski, B. K. Keppler*

1,1'-Bis(oxazolin-2-yl)ferrocenes: An Investigation of Their Complexation Behavior toward $[\text{Pd}(\eta^3\text{-allyl})\text{Cl}]_2$

Keywords: Asymmetric catalysis / Density functional calculations / Mass spectrometry / Metallocenes / Palladium

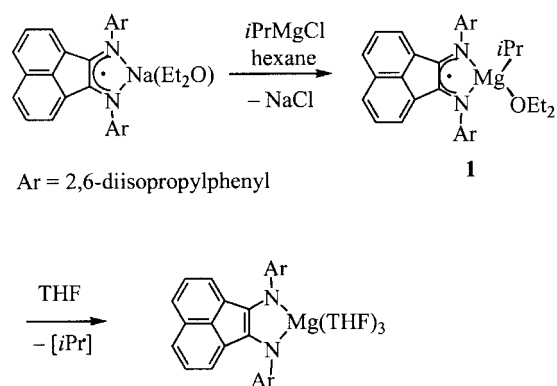


1601

I. L. Fedushkin, A. A. Skatova,
M. Hummert, H. Schumann*

Reductive Isopropyl Radical Elimination from (dpp-bian) Mg - $i\text{Pr}$ (Et_2O)

Keywords: Magnesium / N-ligands / Alkyl complexes / Reductive elimination



1609

J. Shao, E. Steene, B. M. Hoffman,*
A. Ghosh*

EPR, ENDOR, and DFT Studies on (β -Octahalo-*meso*-tetraarylporphyrin)copper Complexes: Characterization of the Metal($d_{x^2-y^2}$)–Porphyrin(a_{2u}) Orbital Interaction

Keywords: Copper / Porphyrins / Density functional calculations / ENDOR spectroscopy / EPR spectroscopy

