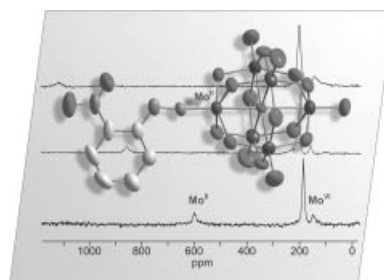


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COVER PICTURE

The cover picture shows a hexamolybdate anion bearing a di-
 azenido ligand. This is a member of a promising family of
 functionalized polyoxomolybdates $[\text{Mo}_6\text{O}_{18}(\text{N}_2\text{Ar})]^{3-}$ with a
 variety of substituents on the aryl ring. The influence of these
 substituents on the properties of the molybdate framework is
 exemplified by their different ^{95}Mo NMR spectra, where a
 special attention should be drawn to the signal of the Mo^{II}
 center at very high frequencies. Details on the preparation
 and characterization of these and related compounds can be
 found in the article by P. Gouzerh et al. on p. 2757 ff.



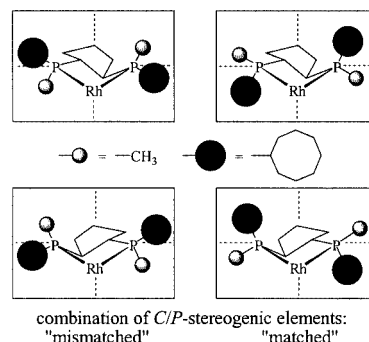
MICROREVIEW

Contents

2733 L. Dahlenburg

P-Modular Homochiral Bis(phosphanes) with
 1,2-Disubstituted Cyclopentane Backbones in
 Asymmetric Hydrogenation

Keywords: Chirality / Asymmetric synthesis / Hydro-
 genation / Chelate phosphanes / Rhodium

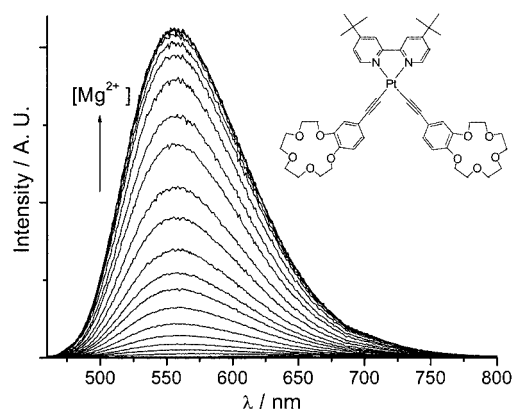


SHORT COMMUNICATIONS

2749 P. K. M. Siu, S.-W. Lai, W. Lu, N. Zhu, C.-M. Che*

A Diiminoplatinum(II) Complex of 4-Ethynylbenzo-15-crown-5 as a Luminescent Sensor for Divalent Metal Ions

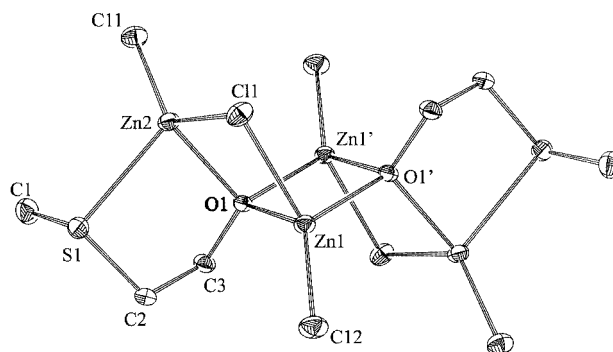
Keywords: Crown compounds / Platinum / Luminescence / Magnesium / Sensors



2753 J. Lewiński,* W. Marciniak, Z. Ochal, J. Lipkowski, I. Justyniak

A Novel Tetranuclear $[\text{MeZn}(\mu_3\text{-OCH}_2\text{CH}_2\text{SMe})\text{-Zn}(\mu\text{-Cl})\text{Me}]_2$ Adduct Derived from the Interaction of CH_2Cl_2 with an Alkylzinc Complex

Keywords: Zinc / Alkoxides / Chelates / O,S ligand / Solvent effects

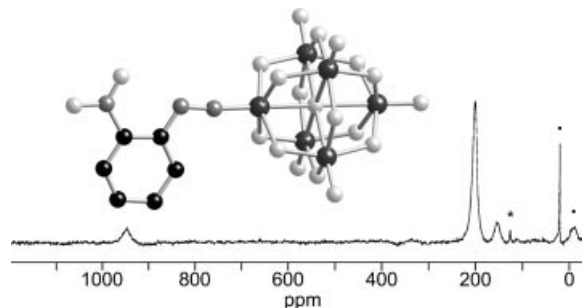


FULL PAPERS

2757 C. Bustos, B. Hasenknopf, R. Thouvenot, J. Vaissermann, A. Proust, P. Gouzerh*

Lindqvist-Type (Aryldiazenido)polyoxomolybdates – Synthesis, and Structural and Spectroscopic Characterization of Compounds of the Type $(n\text{Bu}_4\text{N})_3[\text{Mo}_6\text{O}_{18}(\text{N}_2\text{Ar})]$

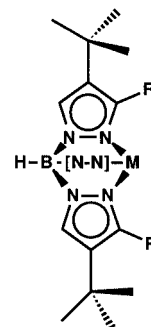
Keywords: Molybdenum / NMR spectroscopy / Polyoxometalates / N ligands



2767 A. L. Rheingold, L. M. Liable-Sands, J. A. Golan, S. Trofimenko*

Remote Rotamer Control: The Effect of a 4-*tert*-Butyl Group on the Coordination Chemistry of Tp^{R} Ligands

Keywords: Scorpionates / Cobalt / Rotamer control / Borates / N ligands



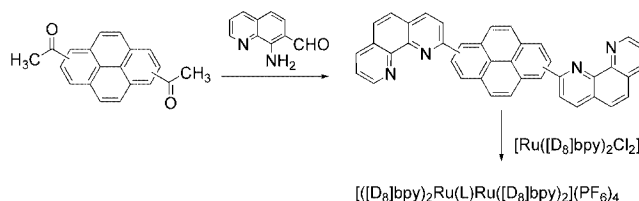
-[N-N]- is the third, hidden, 3-*R*-4-(*tert*-butyl)pyrazolyl ring

R = H, isopropyl, *p*-tolyl

2774 L. Chouai, F. Wu, Y. Jang, R. P. Thummel*

Pyrene-Bridged Bis(phenanthroline) Ligands and Their Dinuclear Ruthenium(II) Complexes

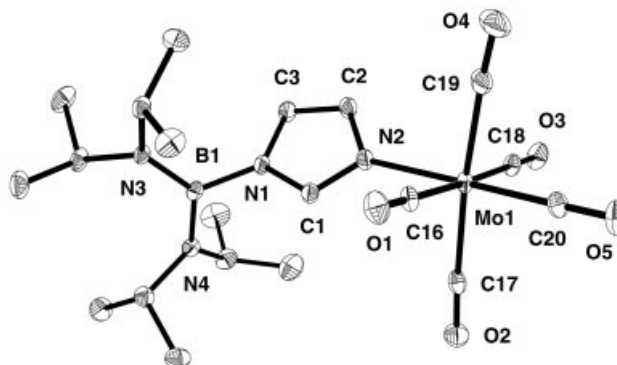
Keywords: Ruthenium / Bridging ligands / Pyrene / Phenanthroline



2783 D. Görz, H. Pritzkow, W. Siebert*

Monomeric 1-Borylimidazoles: Syntheses, Structure and Reactivity of 1-[Bis(diisopropylamino)-boryl]imidazoles

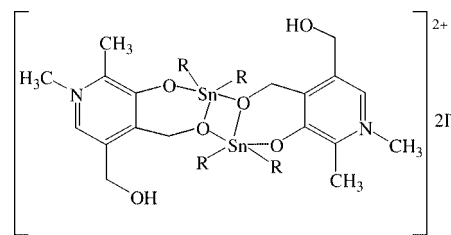
Keywords: Boranes / Imidazoles / Donor-acceptor interaction / Metal complexes



2790 J. C. Casas, A. Castiñeiras, F. Condori, M. D. Couce, U. Russo, A. Sánchez, J. Sordo,* J. M. Varela

Structural Characterization of *N*-Methylpyridoxine (MePN; PN = Vitamin B₆) and Its Diorganotin Complexes [SnR₂(MePN-H)] (R = Me, Et, Bu and Ph)

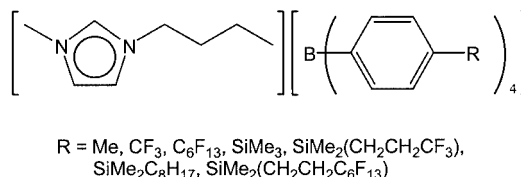
Keywords: Vitamins / Tin / IR spectroscopy / Mössbauer spectroscopy / NMR spectroscopy



2798 J. van den Broeke, M. Stam, M. Lutz, H. Kooijman, A. L. Spek, B.-J. Deelman,* G. van Koten

Designing Ionic Liquids: 1-Butyl-3-Methylimidazolium Cations with Substituted Tetraphenylborate Counterions

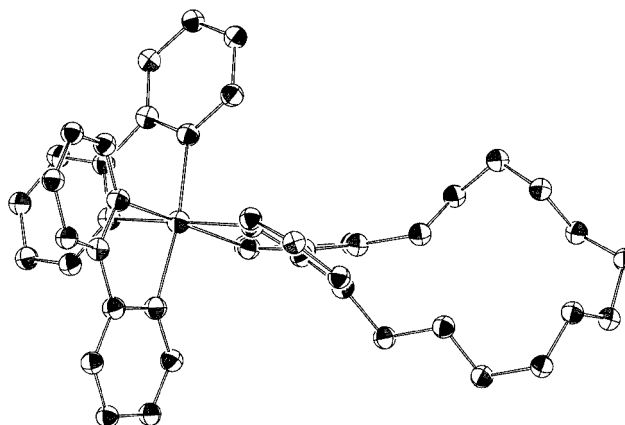
Keywords: Ionic liquids / Cations / Anions / X-ray diffraction / Hydrogen bonds



2812 S. K. Dutta, D. Gan, M. W. Perkovic*

Allosteric Manipulation of Photoexcited State Relaxation in a Series of Ru^{II}(bpy)₂(bipyridine–crown ethers)

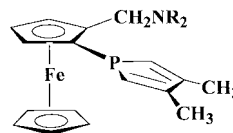
Keywords: Luminescence / Sensors / Photophysics / Lead



- 2820** S. Mourgues, D. Serra, F. Lamy,
S. Vincendeau, J.-C. Daran, E. Manoury,*
M. Gouygou*

Chiral [(Dialkylamino)methyl](phospholyl)ferrocene Ligands as a New Class of 1,2-Disubstituted Ferrocene Ligands

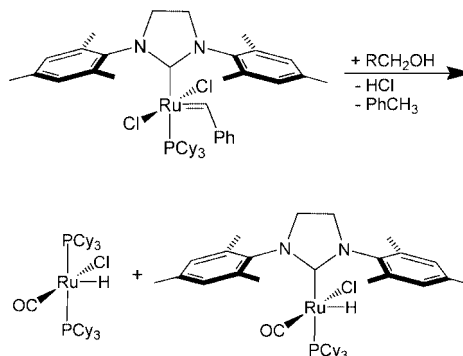
Keywords: Ferrocenes / Phospholes / N,P ligands / Asymmetric catalysis



- 2827** M. B. Dinger, J. C. Mol*

Degradation of the Second-Generation Grubbs Metathesis Catalyst with Primary Alcohols and Oxygen – Isomerization and Hydrogenation Activities of Monocarbonyl Complexes

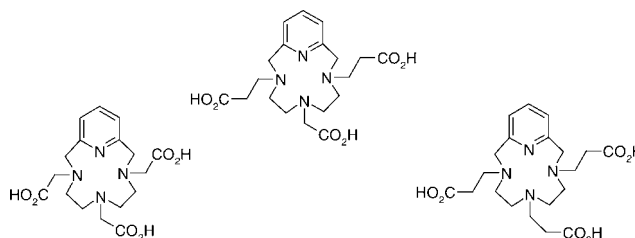
Keywords: Ruthenium / Metathesis / Carbene ligands / Alcohols / Isomerization / Hydrogenation



- 2834** J.-M. Siaugue, A. Favre-Réguillon,
F. Dioury, G. Plancque, J. Foos, C. Madic,
C. Moulin, A. Guy*

Effect of Mixed Pendant Groups on the Solution Properties of 12-Membered Azapyridino-macrocycles: Evaluation of the Protonation Constants and the Stability Constants of the Europium(III) Complexes

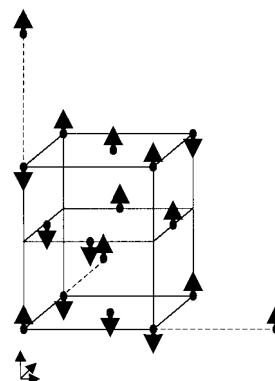
Keywords: Macrocyclic ligands / Protonations / Stability constants / Europium / Luminescence



- 2839** M. J. Martínez-Lope, J. A. Alonso,*
M. T. Casais

Synthesis, Crystal and Magnetic Structure of the Double Perovskites A_2NiMoO_6 ($A = Sr, Ba$): A Neutron Diffraction Study

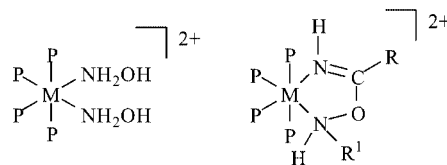
Keywords: Perovskites / Neutron diffraction / Magnetic properties / Nickel



2845 G. Albertin,* S. Antoniutti, S. Beraldo,
F. Chimisso

Preparation of Hydroxylamine Complexes of Ruthenium(II), Osmium(II) and Iridium(III)

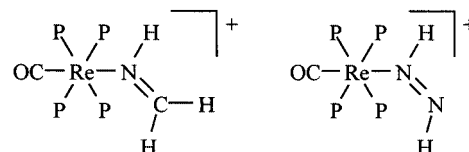
Keywords: Hydroxylamines / N ligands / P ligands / Ruthenium / Osmium / Iridium



2855 G. Albertin,* S. Antoniutti, M. T. Giorgi

Preparation and Reactivity of Hydrazine Complexes of Rhenium: Synthesis of 1,2-Diazene (NH=NH) and Methyleneimine (CH₂=NH) Derivatives

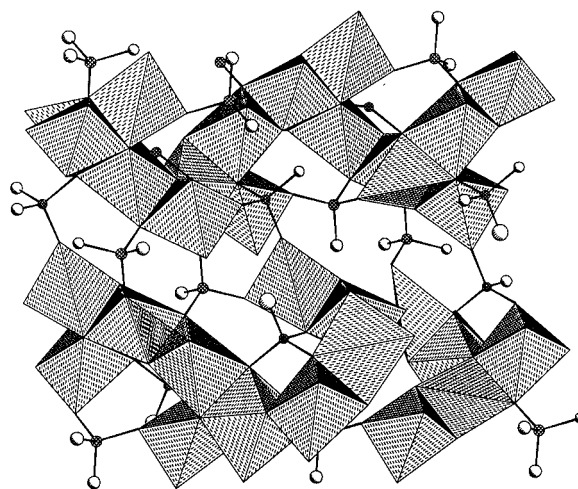
Keywords: Hydrazine / N ligands / Oxidation / Rhenium



2867 C.-D. Wu, C.-Z. Lu,* H.-H. Zhang,
J.-S. Huang

Synthesis, Crystal Structure and Characterization of a Novel Three-Dimensional Polymer: [Cu₄V₂(OH)₂O₈]

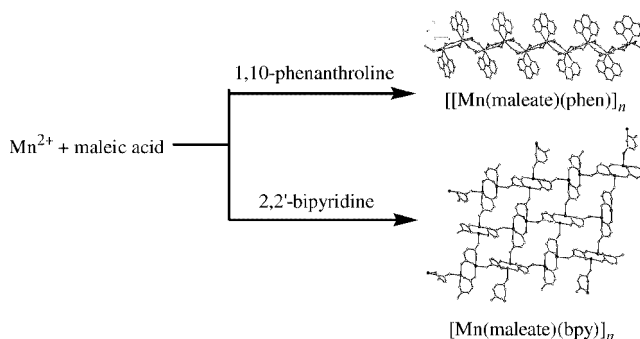
Keywords: Hydrothermal synthesis / Oxo ligands / Vanadium / Copper / TGA



2872 C. Ma, C. Chen, Q. Liu,* F. Chen, D. Liao,
L. Li, L. Sun

Great Framework Variation of Polymers in the Manganese(II) Maleate/ α,α' -Diimine System: Syntheses, Structures, and Magneto-Structural Correlation

Keywords: Crystal structure / Maleic acid / Magnetic properties / Manganese / Structural topology



2880 C. Faulmann,* E. Rivière, S. Dorbes,
F. Senocq, E. Coronado, P. Cassoux



Ferromagnetism in [Mn(Cp*)₂]⁺-Derived Complexes: the “Miraculous” Stacking in [Mn(Cp*)₂]-[Ni(dmit)₂]

Keywords: Metallocenes / Magnetic properties / Manganese / S ligands

