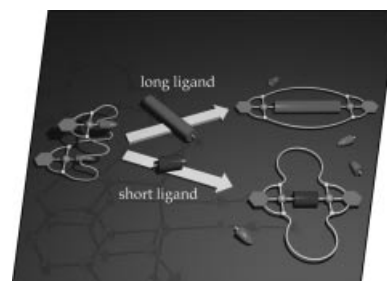


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COVER PICTURE

The cover picture shows a flexible Pd metallocrown ether that has two SCS-pincer ligand moieties. A long bidentate ligand binds to the host in a bridging fashion to close the crown cavity, whereas a short one divides the cavity to give two small polyether rings. Details are discussed in the Short Communication by T. Nabeshima et al. on p. 3779 ff.



SHORT COMMUNICATION

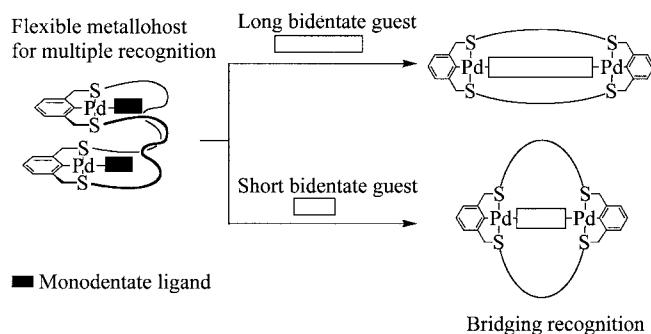
Contents

3779 T. Nabeshima,* D. Nishida, S. Akine,
 T. Saiki



Synthesis, Structure and Complexation Ability of
 Novel Metalloreceptors Containing Two
 Pincer Complexes of Palladium(II)

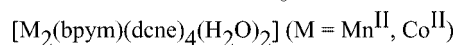
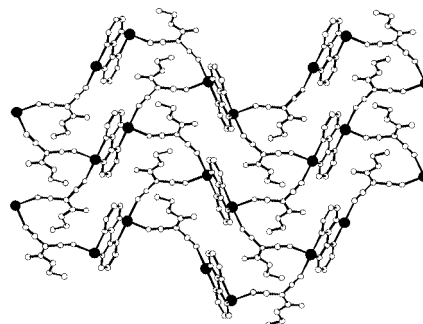
Keywords: Host-guest systems / Pincer ligands / Pal-
 ladium / Metalloreceptors / Crown ethers



- 3783** F. Th  tiot, S. Triki,* J. S. Pala,
J.-R. Gal  n-Mascar  s,
J. M. Mart  nez-Agudo, K. R. Dunbar

Discrete Dinuclear Complexes and Two-Dimensional Architectures from Bridging Polynitrile and Bipyrimidine (bpym) Ligands: Syntheses, Structures and Magnetic Properties of $[M_2(bpym)(dcne)_4(H_2O)_2]$ ($M = Mn^{II}, Co^{II}$) and $[M_2(bpym)(dcne)_4(H_2O)_4] \cdot 2H_2O$ ($M = Fe^{II}, Cu^{II}$) ($dcne^- = [(CN)_2CC(O)OEt]^-$)

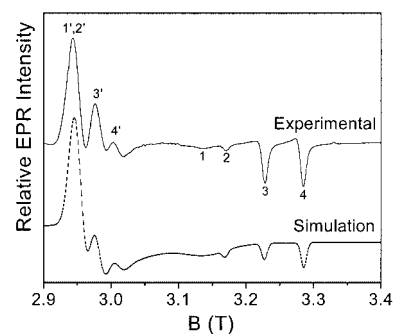
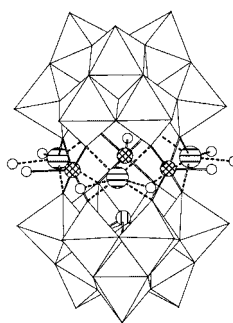
Keywords: Bridging ligands / Coordination polymers / Magnetic properties / N ligands / Transition metals



- 3792** A. C. Stowe, S. Nellutla, N. S. Dalal,*
U. Kortz*

Magnetic Properties of Lone-Pair-Containing, Sandwich-Type Polyoxoanions: A Detailed Study of the Heteroatomic Effect

Keywords: Copper / EPR spectroscopy / Magnetic properties / Polyoxometalates / Self assembly / Tungsten

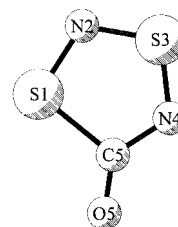


- 3798** J. Van Droogenbroeck, K. Tersago,
C. Van Alsenoy, S. M. Aucott, H. L. Milton,
J. D. Woollins, F. Blockhuys*



Roesky's Ketone: Structure, Aromaticity and Reactivity

Keywords: Aromaticity / Density functional theory / Dithiadiazole / Reactivity / X-ray diffraction

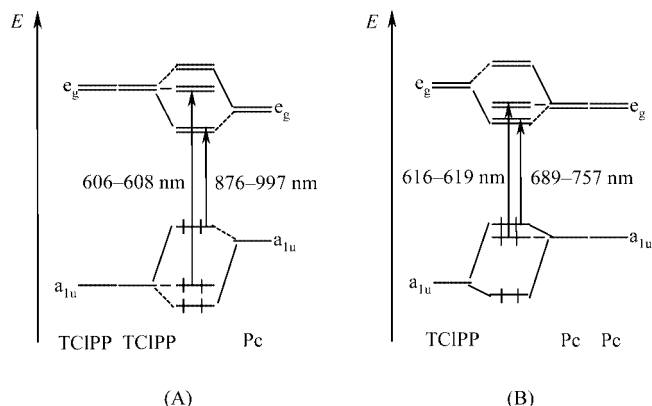


- 3806** X. Sun, R. Li, D. Wang, J. Dou, P. Zhu,
F. Lu, C. Ma, C.-F. Choi, D. Y. Y. Cheng,
D. K. P. Ng, N. Kobayashi, J. Jiang*



Synthesis and Characterization of Mixed Phthalocyaninato and *meso*-Tetrakis(4-chlorophenyl)porphyrinato Triple-Decker Complexes – Revealing the Origin of Their Electronic Absorptions

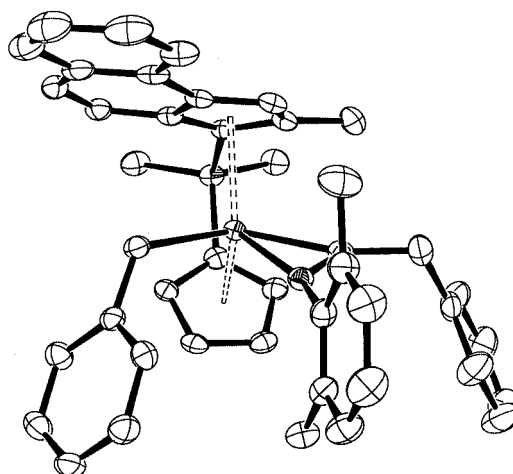
Keywords: Phthalocyanines / Porphyrins / Rare earth metals / Sandwich complexes / Triple-decker complexes



3814 A. Sebastián, P. Royo,* P. Gómez-Sal,
C. Ramírez de Arellano

Diastereoselective Insertion of Isocyanide into the Alkyl–Metal Bond of Methylbenz[e]indenyl *ansa*-Zirconocene Complexes

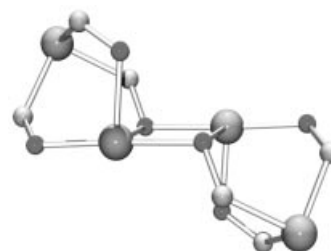
Keywords: Metallocenes / Zirconium / Insertion / Isocyanides / Polymerization



3822 M. Alexiou, C. Dendrinou-Samara,
C. P. Raptopoulou, A. Terzis, V. Tangoulis,*
D. P. Kessissoglou*

A Cationic Tetranuclear $[\text{Ni}^{\text{II}}_4(\text{MeOH})_2(\text{pko})_6]^{2+}$ Cluster Showing Antiferro- and Ferromagnetic Features

Keywords: Cluster compounds / Magnetic properties / Oximate ligands / Nickel

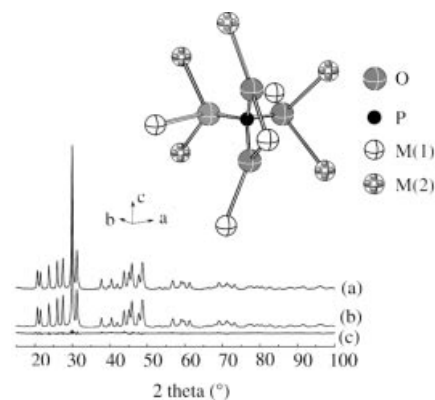


3828 A. Aissa, B. Badraoui, R. Thouvenot,*
M. Debbabi*



Synthesis, X-ray Structural Analysis and Spectroscopic Investigations (IR and ^{31}P MAS NMR) of Mixed Barium/Strontium Fluoroapatites

Keywords: Barium / IR spectroscopy / NMR spectroscopy / Strontium / X-ray diffraction

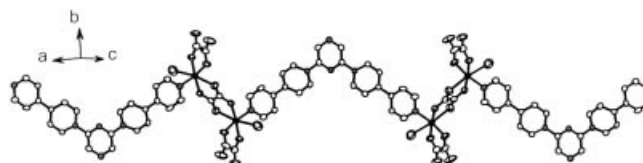


3837 Y.-Q. Sun, J. Zhang,* J.-L. Chen,
G.-Y. Yang



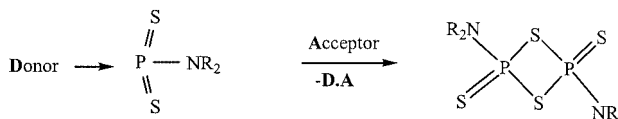
Two Copper(II) Complexes Built from a Novel Redox-Active Bipyridinium Dimer Ligand and Oxalate Anions: Synthesis, Crystal Structure and Magnetic Properties

Keywords: Copper(II) / Bipyridium dimer / Oxalate / X-ray diffraction



3842 A. Dimitrov,* I. Hartwich, P. Neubauer,
M. Meisel

2,4-*N,N'*-Bis(dialkylamido)-2,4-dithioxo-1,3,2λ⁵,
4λ⁵dithiadiphosphetanes

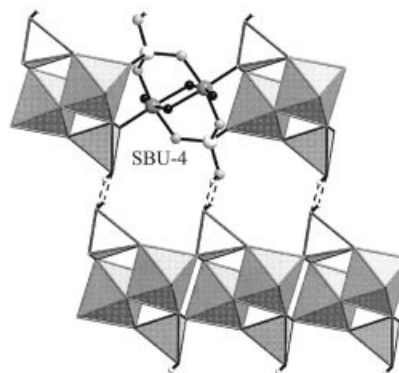


Keywords: Donor-acceptor systems / N-ligands /
Fluorinated ligands / Sulfur / Phosphorus

3846 S. Chakrabarti, S. K. Pati, M. A. Green,
S. Natarajan*

Hydrothermal Synthesis, Structure and Mag-
netic Properties of a One-Dimensional Iron
Arsenate, $\frac{1}{2}[\text{NH}_3(\text{CH}_2)_2\text{NH}(\text{CH}_2)_2\text{NH}_3][\text{Fe}_2\text{F}_4\text{-(HAsO}_4)_2]$

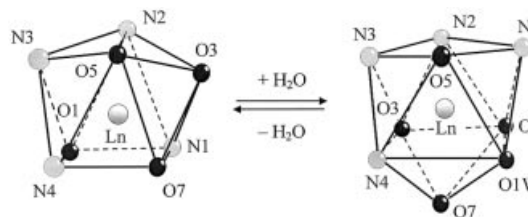
Keywords: Iron arsenate / Antiferromagnetism /
Hydrothermal reactions / Iron / Magnetic
properties



3852 U. A. Böttger, B. O'Sullivan, B. Ziemer,
H. Schumann, C. Mügge, H. Weißhoff*

Structure Comparison of Early and Late
Lanthanide(III) Homodinuclear Macrocyclic
Complexes with the Polyamine Polycarboxylic
Ligand H₈OHEC

Keywords: Solid-state structures / Lanthanides /
Macrocyclic ligands / Polyamine polycar-
boxylic acid / Solution thermodynamics

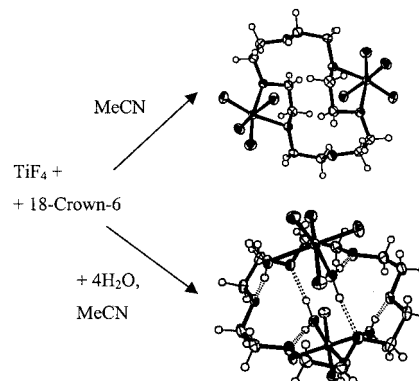


3865 T. S. Cameron, A. Decken, E. G. Ilyin,
G. B. Nikiforov, J. Passmore*



18-Crown-6 and Titanium Tetrafluoride – Pre-
paration of the Ti^{IV} Fluoride Crown Ether Com-
plexes (TiF₄)₂(18-Crown-6) and the Stabilization
of *cis*-TiF₄(H₂O)₂ in [{*cis*-TiF₄(H₂O)₂]₂(18-
Crown-6)]

Keywords: Titanium(IV) / Fluorides / Crown ether /
Macrocyclic ligands / Coordination
modes / Host-guest systems



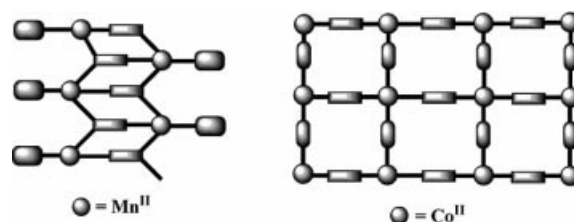
3873

C. Ruiz-Pérez,* P. Lorenzo-Luis,
M. Hernández-Molina, M. M. Laz,
F. S. Delgado, P. Gili, M. Julve



1,2,4,5-Benzenetetracarboxylic Acid and 4,4'-
Bipyridine as Ligands in Designing Low-
Dimensional Coordination Polymers

Keywords: Hydrothermal / 1,2,4,5-Benzenetetracarboxylic acid / 4,4'-Bipyridine / Low-dimensional polymers / Manganese / Cobalt

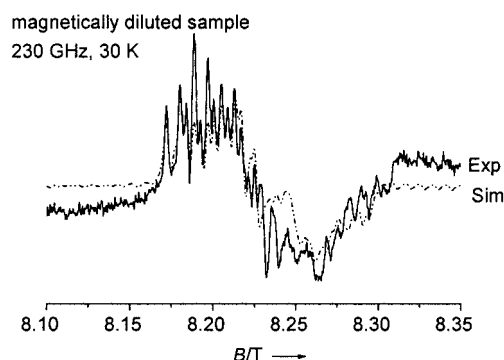


3880

C. Mantel, C. Philouze, M.-N. Collomb,*
C. Duboc*

Investigation of a Neat versus Magnetically
Diluted Powdered Mononuclear Mn^{II} Complex
by High-Field and High-Frequency EPR Spec-
troscopy

Keywords: Azide ligand / Electronic structure / EPR
spectroscopy / Manganese / Magnetic
dilution

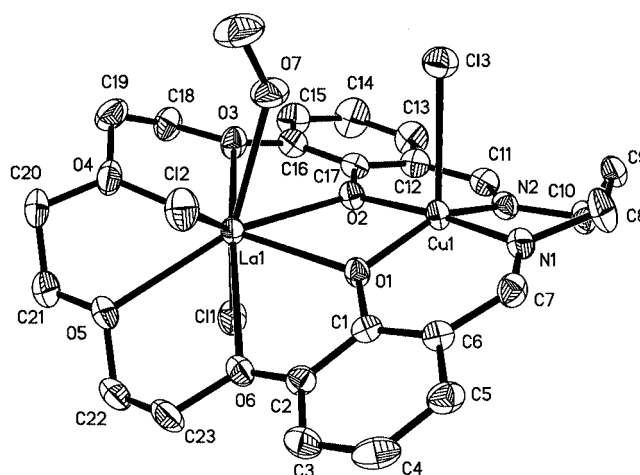


3887

A. Caneschi, L. Sorace, U. Casellato,
P. Tomasini,* P. A. Vigato

d- or f-Mononuclear and Related Heterodi-
nuclear Complexes With [1+1] Asymmetric
Compartmental Macrocycles

Keywords: Heterometallic complexes / Macrocyclic
ligands / Compartmental Schiff bases /
Magnetic properties / EPR spectroscopy



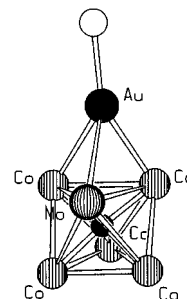
3901

R. Della Pergola,* A. Fumagalli,
F. Fabrizi de Biani, L. Garlaschelli,
F. Laschi, M. C. Malatesta, M. Manassero,*
E. Roda, M. Sansoni, P. Zanello



Carbonyl-Nitrido Mixed-Metal Clusters: Syn-
thesis, Reactivity, Electrochemical Behavior and
Solid-State Structure of [Co₅MoN(CO)₁₄]²⁻ and
[Co₅MoN(CO)₁₄AuPPh₃]⁻

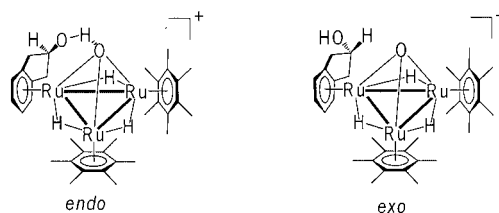
Keywords: Cobalt / Molybdenum / Cluster com-
pounds / Nitrides / Electrochemistry



3907 L. Vieille-Petit, L. Karmazin-Brelot,
G. Labat, G. Süss-Fink*

endo and *exo* Coordination of Indanol: Synthesis, Isolation and Structural Characterisation of $[\text{H}_3\text{Ru}_3(\text{endo-Indanol})(\text{C}_6\text{Me}_6)_2(\text{O})]^+$ and $[\text{H}_3\text{Ru}_3(\text{exo-Indanol})(\text{C}_6\text{Me}_6)_2(\text{O})]^+$ as Their Tetrafluoroborate Salts

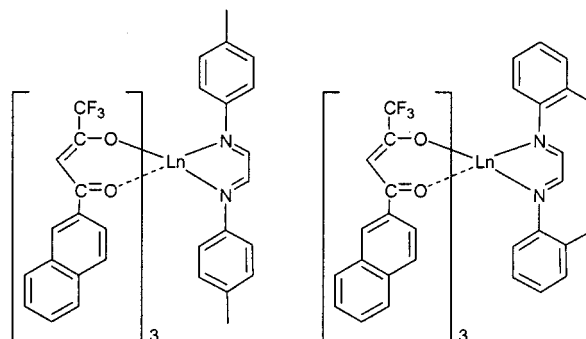
Keywords: Arene ligands / Biphasic catalysis / Cluster compound / Hydrogenation / Ruthenium



3913 J. A. Fernandes, R. A. Sá Ferreira,
M. Pillinger, L. D. Carlos,* I. S. Gonçalves,
P. J. A. Ribeiro-Claro*

Spectroscopic Studies of Europium(III) and Gadolinium(III) Tris- β -diketonate Complexes with Diazabutadiene Ligands

Keywords: Ab initio calculations / Lanthanides / Luminescence / N ligands / Vibrational spectroscopy

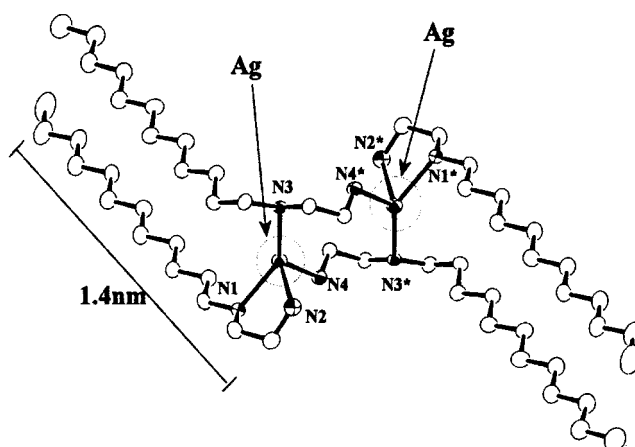


3920 M. Iida,* M. Inoue, T. Tanase, T. Takeuchi,
M. Sugibayashi, K. Ohta



Formation of Thermotropic and Lyotropic Liquid Crystals of Bis(*N*-alkylethylenediamine)-silver(I) Nitrate

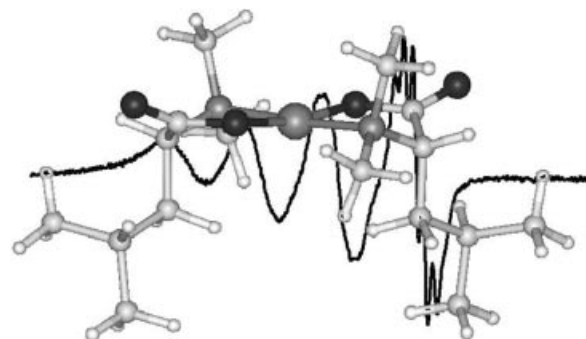
Keywords: Silver / N ligands / Liquid crystals / Micro-emulsions



3930 K. Miroslavljević, J. Sabolović,
V. Noethig-Laslo*

Conformational Analysis of Bis(*L*-*N,N*-dimethylvalinato)copper(II) and Bis(*L*-*N,N*-dimethyleucinato)copper(II) in Different Solvents by EPR Spectroscopy and a Molecular Mechanics Study

Keywords: Complexes / Amino acids / N,O ligands / EPR spectroscopy / Force field

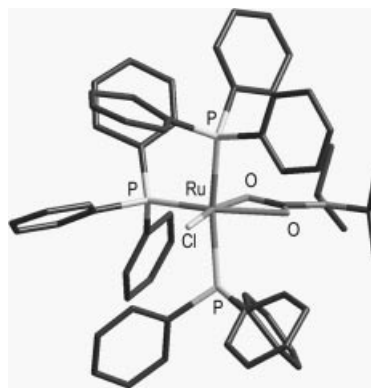


3938

D. Belli Dell'Amico,* F. Calderazzo,
U. Englert, L. Labella, F. Marchetti,
M. Specos

New *N,N*-Diisopropylcarbamato Complexes of
Ruthenium(II) as Catalytic Precursors for
Olefin Hydrogenation

Keywords: *N,N*-Dialkylcarbamato complexes / Ru-
thenium / Hydrogenation



3946

Y. Wei, H. Hou,* Y. Fan, Y. Zhu

Transition Metal Ion Directed Self-Assembly of
Polynuclear Coordination Complexes: Structural
Characterization and Magnetic Properties

Keywords: Magnetic properties / Multidentate li-
gands / Organic-inorganic hybrid com-
posites / Self-assembly / Transition metals

