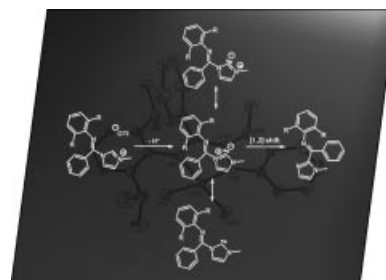


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COVER PICTURE

The cover picture shows the rearrangement of *N*-imidoyl-*N*-heterocyclic carbenes as well as a crystal structures of a palladium complex of a derivative of one of the rearranged carbene ligands. This work was supported by the polymer laboratory of BASF AG, Ludwigshafen, Germany, in search of new imino-*N*-heterocyclic carbene late transition metal complexes as novel polymerization catalysts. Details are discussed in the article by B. Bildstein et al. on p. 2827 ff.



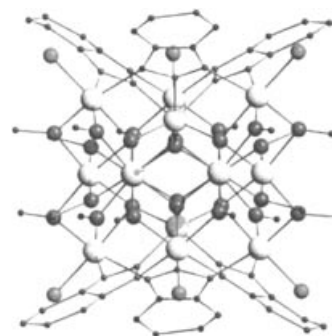
MICROREVIEW

Contents

2811 R. H. Laye, E. J. L. McInnes*

Solvothermal Synthesis of Paramagnetic Molecular Clusters

Keywords: Solvothermal synthesis / Hydrothermal synthesis / Clusters / Single-molecule magnets

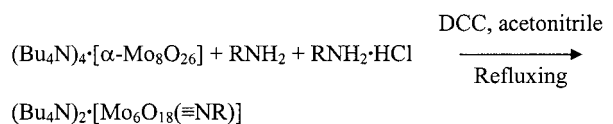


SHORT COMMUNICATIONS

2819 P. Wu, Q. Li, N. Ge, Y. Wei,* Y. Wang,
P. Wang, H. Guo*

An Easy Route to Monofunctionalized Organoimido Derivatives of the Lindqvist Hexamolybdate

Keywords: Organoimido Derivatives / Polyoxo-metalates / Acid Catalysis / Dehydration / Organic–inorganic hybrid

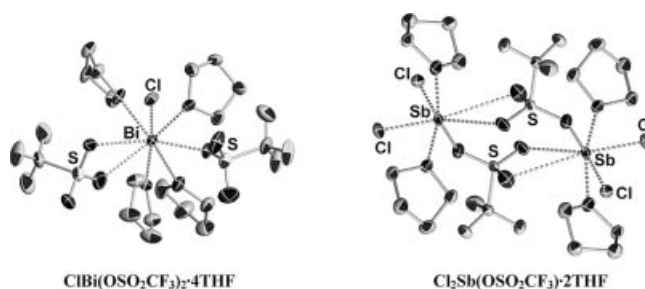


R = *o*-CH₃C₆H₄, *p*-ClC₆H₄, *m*-ClC₆H₄, *o*-ClC₆H₄, *p*-BrC₆H₄ etc.

2823 S. Mazières,* C. Le Roux,* M. Peyronneau,
H. Gornitzka, N. Roques

Structural Characterization of Bismuth(III) and Antimony(III) Chlorotriflates: Key Intermediates in Catalytic Friedel–Crafts Transformations

Keywords: Bismuth / Antimony / Triflate / X-ray diffraction / Friedel–Crafts reactions

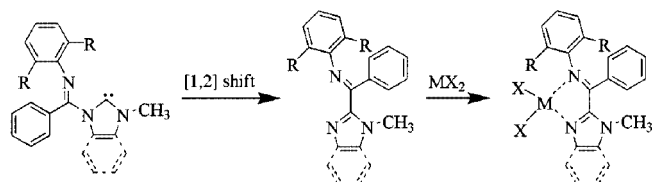


FULL PAPERS

2827 G. Steiner, A. Krajete, H. Kopacka,
K.-H. Ongania, K. Wurst,
P. Preishuber-Pflügl, B. Bildstein*

[1,2]-Rearrangement of Imino-*N*-heterocyclic Carbenes – Synthesis and Structures of Chelating Iminoimidazole Pd and Ni Complexes

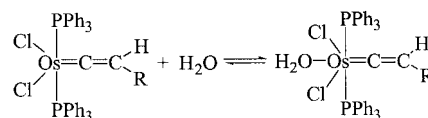
Keywords: N ligands / Carbenes / Chelates / Transition metals / Rearrangement



2837 T. B. Wen, W. Y. Hung, Z. Y. Zhou,
M. F. Lo, I. D. Williams, G. Jia*

Synthesis and Characterization of [OsCl₂(=C=CHR)(PPh₃)₂] and Related Complexes

Keywords: Carbyne ligands / Osmium / Vinylidene ligands

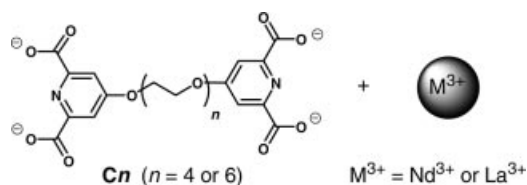


2847 T. Vermonden, W. M. de Vos,
A. T. M. Marcelis,* E. J. R. Sudhölter



3-D Water-Soluble Reversible Neodymium(III) and Lanthanum(III) Coordination Polymers

Keywords: Lanthanides / NMR spectroscopy / Self-assembly / Tridendate ligands / Viscosity

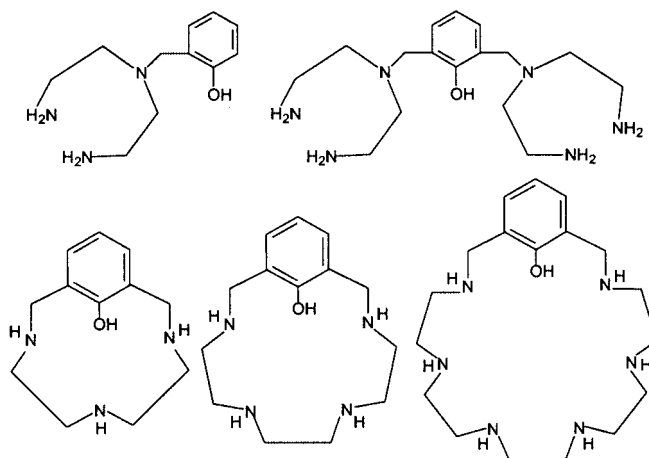


2853

M. Cangiotti, M. Formica, V. Fusi,*
L. Giorgi, M. Micheloni,* M. F. Ottaviani,*
S. Sampaolesi

Nitroxide Radicals Interacting with Polyamine-
Phenolic Ligands and Their Metal Complexes

Keywords: EPR / Macrocycles / Metal complexes /
Nitroxide radicals / Polyamines

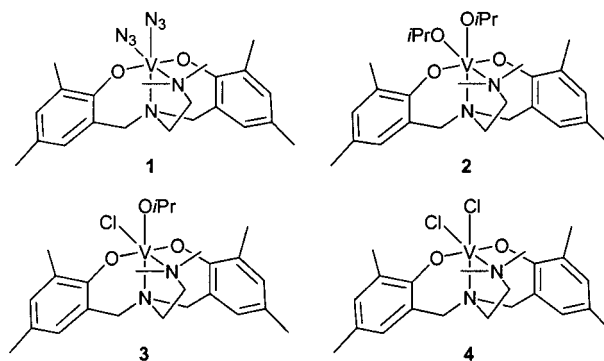


2861

F. Wolff, C. Lorber,* R. Choukroun,*
B. Donnadieu

Paramagnetic Chloro-, Alkoxo-, or Azidovanadium(IV) Complexes Supported by an [ONNO]-
Type Amine Bis(phenolate) Ligand

Keywords: Vanadium / Amines / Paramagnetism

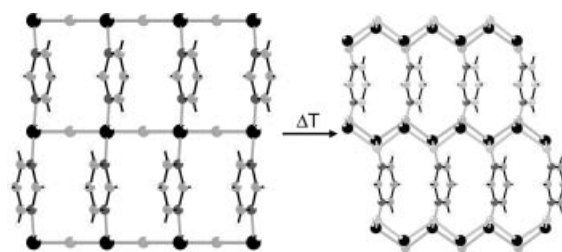


2868

C. Näther,* I. Jeß

Synthesis, Crystal Structure and Thermal
Reactivity of New Copper(I) Halide Pyrimidine-
Containing Coordination Polymers

Keywords: Coordination polymers / Copper / Halides /
N ligands / Thermal properties

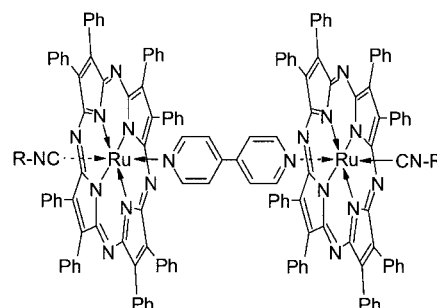


2877

S. Vagin,* U. Ziener, M. Hanack,*
P. A. Stuzhin

Ruthenium(II) Octaphenylporphyrizine Com-
plexes with Mixed Axial Ligands: Peculiarities of
Their Formation and Spectral Properties

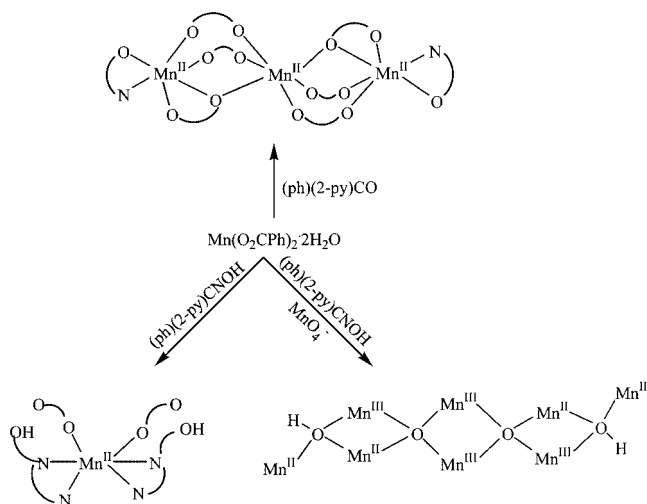
Keywords: Isocyanide ligands / N ligands / NMR
spectroscopy / Porphyrinoids / Ruthenium /
Self-assembly



- 2885** C. J. Milios, T. C. Stamatatos, P. Kyritsis,
A. Terzis, C. P. Raptopoulou, R. Vicente,*
A. Escuer,* S. P. Perlepes*

Phenyl 2-Pyridyl Ketone and Its Oxime in Manganese Carboxylate Chemistry: Synthesis, Characterisation, X-ray Studies and Magnetic Properties of Mononuclear, Trinuclear and Octanuclear Complexes

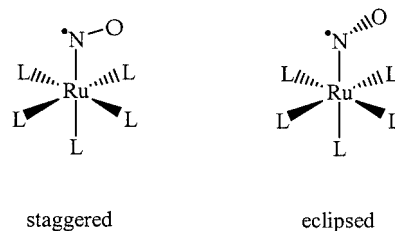
Keywords: Carboxylate ligands / Magnetic properties / Manganese / N,O ligands / X-ray crystallography



- 2902** S. Frantz, B. Sarkar, M. Sieger, W. Kaim,*
F. Roncaroli, J. A. Olabe,* S. Zális

EPR Insensitivity of the Metal-Nitrosyl Spin-Bearing Moiety in Complexes $[\text{L}_n\text{Ru}^{\text{II}}\text{-NO}]^k$

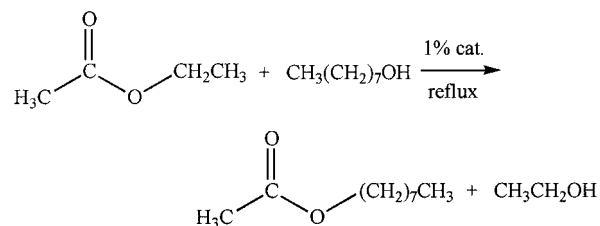
Keywords: Density functional calculations / EPR spectroscopy / Nitric oxide / Radical complexes / Ruthenium



- 2908** M. Biesemans,* F. A. G. Mercier,
M. Van Poeck, J. C. Martins, G. Dumartin,
R. Willem

Interface Synthesis, Characterization and Catalytic Properties of Dialkyldichlorotin and Tetraalkyl Distannoxane Functionalities Grafted to Insoluble Polystyrene Beads by a Hexamethylene Spacer

Keywords: Catalysis / Heterogeneous catalysis / NMR spectroscopy / Transesterification / Tin

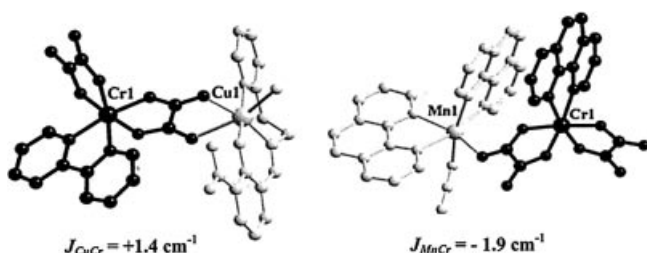


catalyst = $[(\text{P-H})_{(1-n)}(\text{P}-(\text{CH}_2)_6\text{SnBuCl}_2)_n]$ or $[(\text{P-H})_{(1-n)}(\{\text{P}-(\text{CH}_2)_6\text{SnBuX}\}_2\text{O})_{n/2}]$; X = Cl, OH, OOCCH₃

- 2914** G. Marinescu, D. Visinescu, A. Cucos,
M. Andruh,* Y. Journaux,* V. Kravtsov,
Y. A. Simonov, J. Lipkowski

Oxalato-Bridged $[\text{Cu}^{\text{II}}\text{Cr}^{\text{III}}]$ and $[\text{Mn}^{\text{II}}\text{Cr}^{\text{III}}]$ Binuclear Complexes: Synthesis, Crystal Structures, Magnetic and EPR Investigations

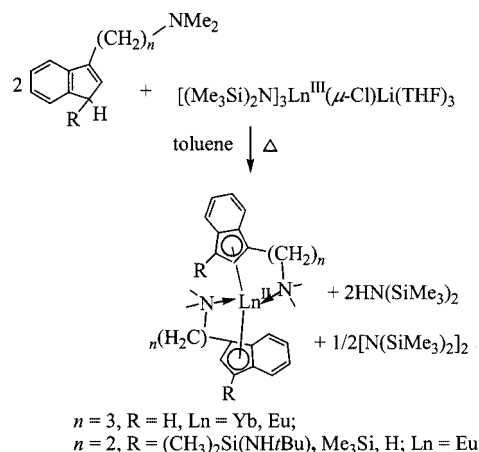
Keywords: Copper complexes / Magnetic properties / Manganese complexes / Oxalato bridges



2923 E. Sheng, S. Zhou, S. Wang,* G. Yang,
Y. Wu, Y. Feng, L. Mao, Z. Huang

Homolysis of the Ln–N (Ln = Yb, Eu) Bond – Synthesis, Structure, and Catalytic Activity of Ytterbium(II) and Europium(II) Complexes Having (Dimethylamino)propyl- and (Dimethylamino)ethyl-Functionalized Indenyl Ligands

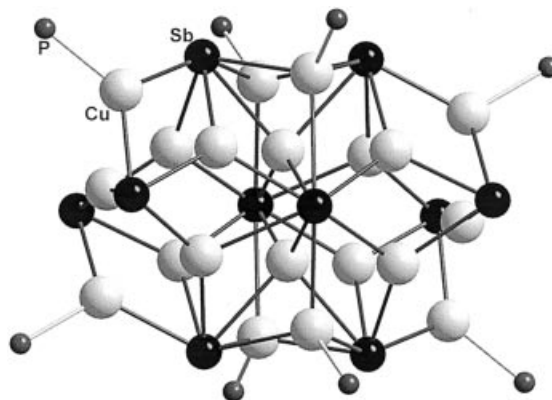
Keywords: Catalyst / Homolysis / Organometallics / Polymer / Polymerization



2933 R. Ahlrichs, C. E. Anson, R. Clerac,
D. Fenske,* A. Rothenberger, M. Sierka,
S. Wieber

Molecular Alloys: Syntheses and Structures of the Copper–Antimony Clusters $[Cu_{17}Sb_8-(dppm)_6(Ph_2PCHPh_2)]$ and $[Cu_{20}Sb_{10}(PCy_3)_8]$

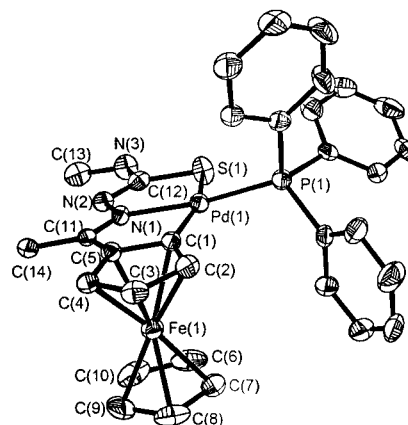
Keywords: X-ray diffraction / Cluster compounds / Antimony / Copper



2937 J. M. Vila,* E. Gayoso, M. T. Pereira,
J. M. Ortigueira, G. Alberdi, M. Mariño,
R. Alvarez, A. Fernández

The First Cyclometallated (1-Ferrocenyl-ethanone thiosemicarbazone)palladium(II) Compounds – Crystal and Molecular Structure of $[Pd\{\{\eta^5-C_5H_5\}Fe(\eta^5-C_5H_3)C(Me)=NN=C(S)NHMe\}(PPh_3)]$

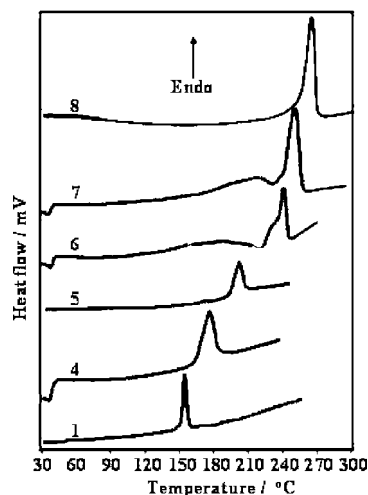
Keywords: C–H activation / Ferrocene / Thiosemicarbazone / Palladium / X-ray diffraction



2943 D. Vujovic,* H. G. Raubenheimer,
L. R. Nassimbeni

One-Dimensional Cd^{II} Coordination Polymers:
Solid Solutions with Ni^{II}, Thermal Stabilities
and Structures

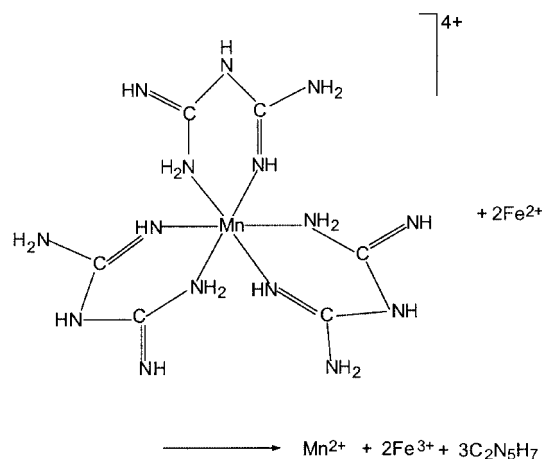
Keywords: Coordination polymers / Solid solutions /
Cadmium complexes



2950 B. B. Dhar, R. Mukherjee,
S. Mukhopadhyay,* R. Banerjee

Kinetics and Mechanism of Oxidation of Fe²⁺
by the Tris(biguanide)manganese(IV) Ion in
Aqueous Acid Media

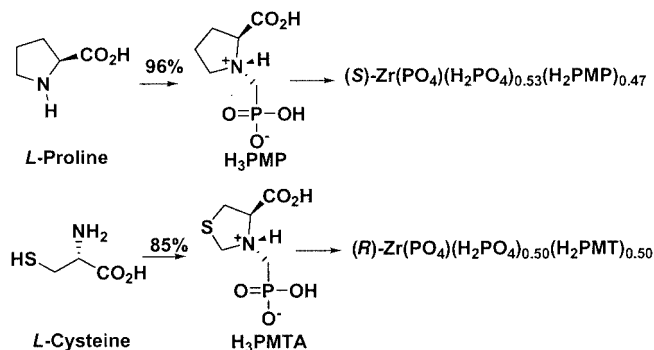
Keywords: Iron / Kinetics / Manganese / Mechanism /
Redox chemistry



2956 K. Huang, J. Yu,* G. Wang, Y. Li, R. Xu*

Covalent Bonding of Phosphonates of L-Proline
and L-Cysteine to γ -Zirconium Phosphate

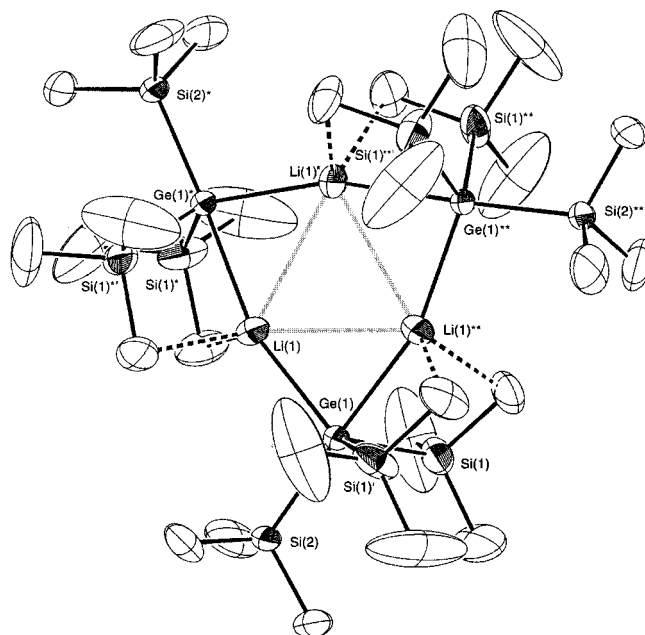
Keywords: Amino acids / Chirality / Phosphates /
Phosphonates / Zirconium



2961 M. Nanjo,* E. Nanjo, K. Mochida*

Tris(trimethylsilyl)-Substituted Heavy Group 14-Element-Centered Anions: Unsolvated Trimeric Germyllithium and Solvated Dimeric Silyl- and Stannylithiums

Keywords: Germanium / Lithium / Silicon / Solid-state structures / Tin



2968 X.-J. Zheng, Z.-M. Wang, S. Gao,
F.-H. Liao, C.-H. Yan, L.-P. Jin*

Hydrothermal Syntheses, Structures, and Properties of Three 3-D Lanthanide Coordination Polymers that Form 1-D Channels

Keywords: Coordination polymer / Hydrothermal synthesis / Lanthanides / 2,6-Naphthalenedicarboxylate / X-ray diffraction

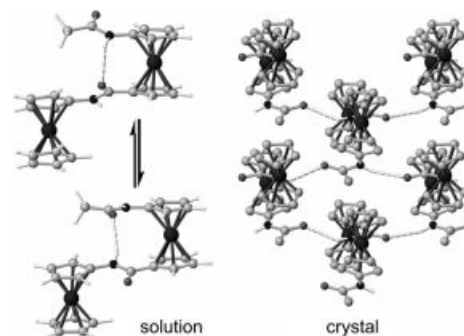


2974 K. Heinze,* M. Schlenker



Main Chain Ferrocenyl Amides from 1-Aminoferrocene-1'-carboxylic Acid

Keywords: Metallocenes / Hydrogen bonds / Peptides / Conformation analysis



CORRECTION

2989 P. Kölle, R. Dronskowski*

Synthesis, Crystal Structures and Electrical Conductivities of the Ionic Liquid Compounds Butyldimethylimidazolium Tetrafluoroborate, Hexafluorophosphate and Hexafluoroantimonate

Keywords: Electrochemistry / Ionic liquids / Packing efficiency / X-ray diffraction