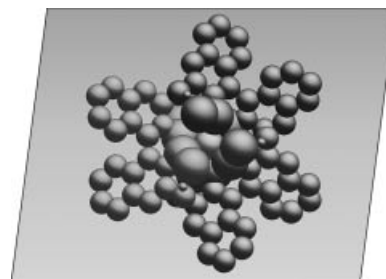


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COVER PICTURE

The cover picture shows a stereoselective mononuclear triple-stranded helicate complex. Three chiral binaphthol *N*-oxide derivative ligands are coordinated to a trivalent ytterbium metal atom. This very stable and symmetrical structure was obtained by spontaneous self-assembly. NMR spectroscopy and X-ray crystallography were used for unambiguous characterisation. In the picture, the greenish sphere indicates the ytterbium atom and the larger spheres indicate the oxygen atoms. All those ligands, depicted in different shades to highlight the helical effect, are identical. Details are discussed in the article by M. Capó et al. on p. 3405ff.



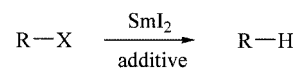
MICROREVIEW

Contents

3393 A. Dahlén, G. Hilmersson*

Samarium(II) Iodide Mediated Reductions –
 Influence of Various Additives

Keywords: Samarium / Samarium iodide / Reduction /
 Additives / Co-solvent



X = reducible group

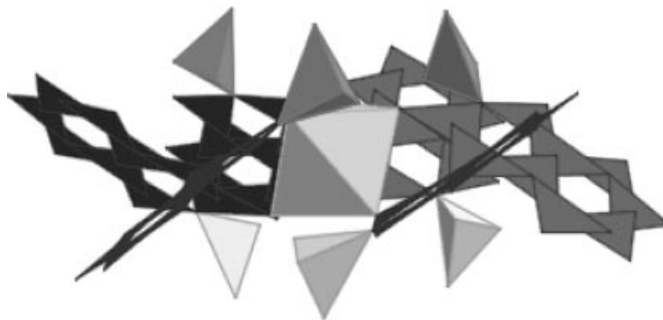
FULL PAPERS

3405 M. Capó,* J. Gonzalez, H. Adams



Self-Assembly of Stereoselective, Mononuclear, Triple-Stranded Helicate Complexes ML_3 with Trivalent Scandium and Lanthanide Metal Ions – Quantitative Transmetalation of the Lanthanide(III) Ion by Sodium(I) Ions

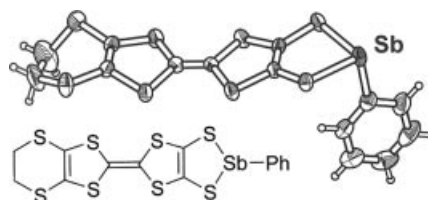
Keywords: Helical structures / Lanthanides / Self-assembly / Stereoselective / Transmetalation



3409 N. Avarvari, M. Fourmigué,* E. Canadell

Electron-Rich Organoantimony(III) Dithiolate Complexes

Keywords: Antimony / Noncovalent interactions / S ligands / X-ray diffraction

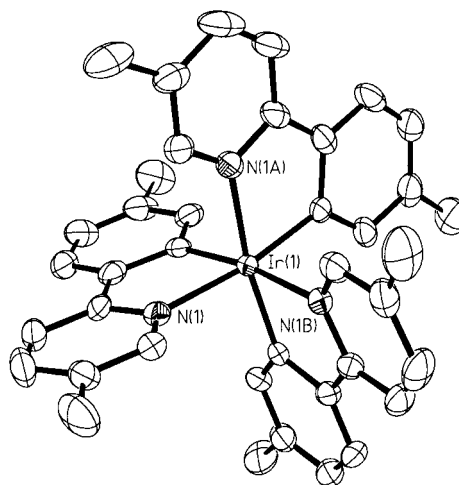


3415 S. Jung, Y. Kang,* H.-S. Kim, Y.-H. Kim, C.-L. Lee, J.-J. Kim, S.-K. Lee, S.-K. Kwon*



Effect of Substitution of Methyl Groups on the Luminescence Performance of Ir^{III} Complexes: Preparation, Structures, Electrochemistry, Photophysical Properties and Their Applications in Organic Light-Emitting Diodes (OLEDs)

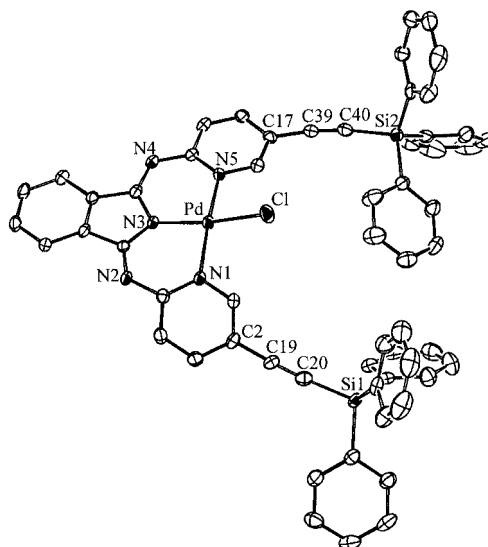
Keywords: Electrochemistry / Electrophosphorescence / Iridium / Luminescence / N ligands



3424 B. Siggelkow, M. B. Meder, C. H. Galka, L. H. Gade*

Synthesis, Structures and Catalytic Properties of Bis(2-pyridylimino)isoindolatopalladium Complexes

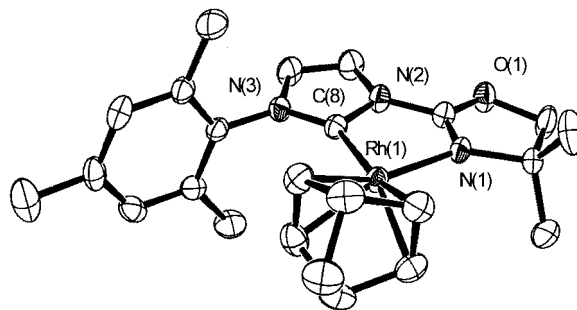
Keywords: Hydrogenation / N ligands / Palladium



3436 V. César, S. Bellemin-Laponnaz,*
L. H. Gade*

Cationic and Neutral Rhodium(I) Oxazolinylcarbene Complexes

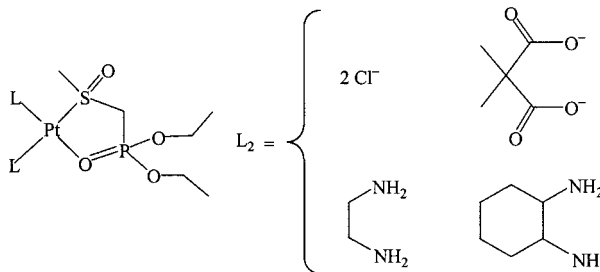
Keywords: Carbenes / N ligands / Oxazolines / Rhodium / X-ray diffraction



3445 M. Laforgia, L. Cerasino, N. Margiotta,
M. A. M. Capozzi, C. Cardellicchio,
F. Naso, G. Natile*

Synthesis and Characterization of Platinum(II) Complexes of Diethyl [(Methylsulfinyl)methyl]phosphonate: Potential Drugs against Bone Tumors

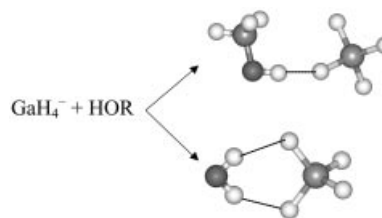
Keywords: Antitumor agents / NMR spectroscopy / O ligands / Platinum / S ligands



3453 N. V. Belkova, O. A. Filippov, A. M. Filin,
L. N. Teplitskaya, Y. V. Shmyrova,
V. V. Gavrilenko, L. M. Golubinskaya,
V. I. Bregadze, L. M. Epstein,*
E. S. Shubina*

Interaction of the $[\text{GaH}_4]^-$ Anion with Weak XH Acids – A Spectroscopic and Theoretical Study

Keywords: Hydrides / Hydrogen bonding / IR spectroscopy / Theoretical methods / Boron / Gallium

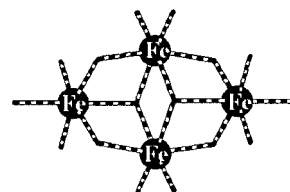


3462 B. Keita, I. M. Mbomekalle, Y. W. Lu,
L. Nadjo,* P. Berthet, T. M. Anderson,
C. L. Hill*



Electron Transfer Behavior of Multi-Iron Sandwich-Type Polyoxometalates and Electrocatalytic Reduction Reactions

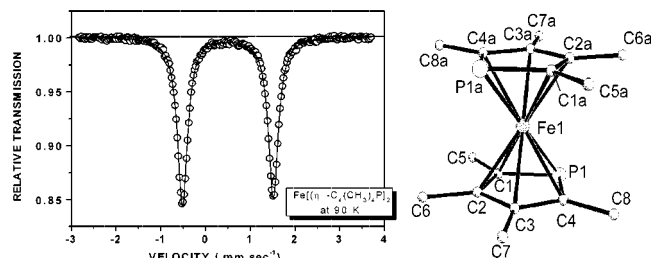
Keywords: Polyoxometalates / Sandwich complexes / Iron / Cyclic voltammetry



3476 R. H. Herber,* I. Nowik, D. A. Loginov,
Z. A. Starikova, A. R. Kudinov

Bonding, Metal-Atom Dynamics and Hyperfine Interactions of η -Phospholyl- and η -Pentaphospholyliron Complexes

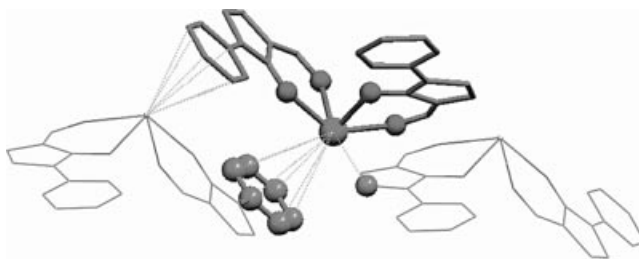
Keywords: Iron / Mössbauer spectroscopy / P ligands / Sandwich compounds / Spin-lattice relaxation



3484 C. Pettinari,* F. Marchetti, R. Pettinari,
A. Cingolani, E. Rivarola, C. Phillips,
J. Tanski, M. Rossi, F. Caruso*

Tin(II) and Lead(II) 4-Acyl-5-pyrazolonates:
Synthesis, Spectroscopic and X-ray Structural
Characterization

Keywords: Lead / Mössbauer spectroscopy / N
ligands / NMR spectroscopy / Tin

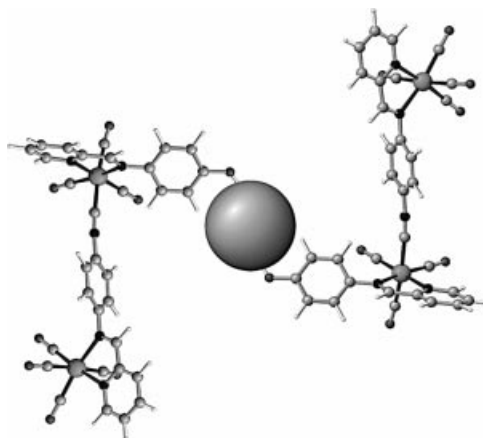


3498 K. Heinze,* J. D. Bueno Toro



Solid- and Solution-Phase Synthesis of a Library
of Mixed-Metal Complexes

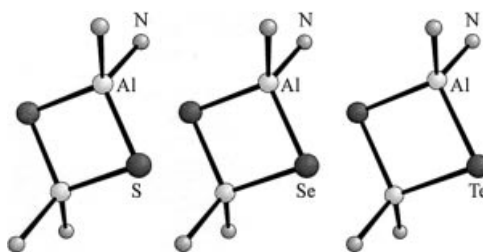
Keywords: Bridging ligands / Heterometallic com-
plexes / Isomers / Group 6 elements / Solid-
phase synthesis



3508 V. Jancik, M. M. M. Cabrera,
H. W. Roesky,* R. Herbst-Irmer, D. Neculai,
A. M. Neculai, M. Noltemeyer,
H.-G. Schmidt

Phosphane-Catalyzed Reactions of LiAlH_2 with
Elemental Chalcogens; Preparation of $[\text{LiAl}(\mu\text{-E})_2\text{-AlL}]$ [$\text{E} = \text{S}, \text{Se}, \text{Te}$, $\text{L} = \text{HC}\{\text{C}(\text{Me})\text{N}(\text{Ar})\}_2$,
 $\text{Ar} = 2,6\text{-iPr}_2\text{C}_6\text{H}_3$]

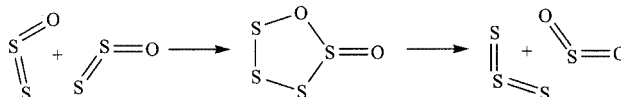
Keywords: Aluminum / Catalysis / Chalcogens /
Phosphanes / Reaction mechanisms



3513 R. Steudel,* Y. Steudel

The Thermal Decomposition of S_2O Forming
 SO_2 , S_3 , S_4 and S_5O – An ab initio MO Study

Keywords: Cycloaddition / Disproportionation /
Sulfur / Sulfur heterocycles / Thermo-
dynamics / Transition states

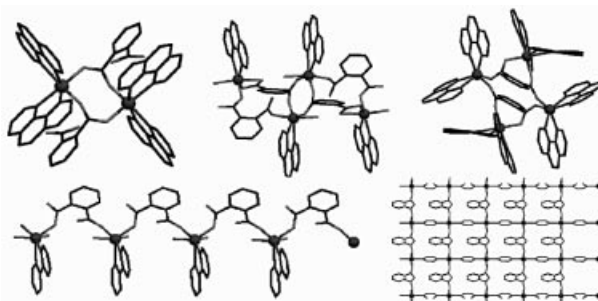


3522 C. Ma, W. Wang, X. Zhang, C. Chen,
Q. Liu,* H. Zhu, D. Liao, L. Li



Molecular, One- and Two-Dimensional Systems
Built from Manganese(II) and Phthalate/Diimine
Ligands: Syntheses, Crystal Structures and
Magnetic Properties

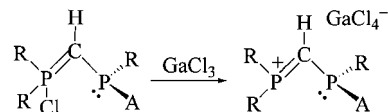
Keywords: Manganese / N ligands / Magnetic proper-
ties / Structure elucidation



3533 D. Martin, A. Bacciredo,* G. Bertrand*

Synthesis of a Persistent $1\sigma^3,3\sigma^3$ -Diphosphaallyl Cation Featuring a Localized Phosphorus–Carbon Double Bond

Keywords: Allylic cations / Phosphorus / Phosphaalkenes / Phosphacumulenes / Phosphorus ylides

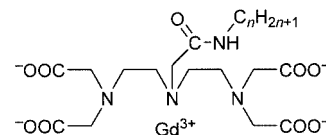


3538 T. N. Parac-Vogt, K. Kimpe, S. Laurent, C. Piérart, L. Vander Elst, R. N. Muller, K. Binnemans*



Gadolinium DTPA-Monoamide Complexes Incorporated into Mixed Micelles as Possible MRI Contrast Agents

Keywords: MRI contrast agents / Lanthanides / DTPA-monoamide derivatives / Micelles

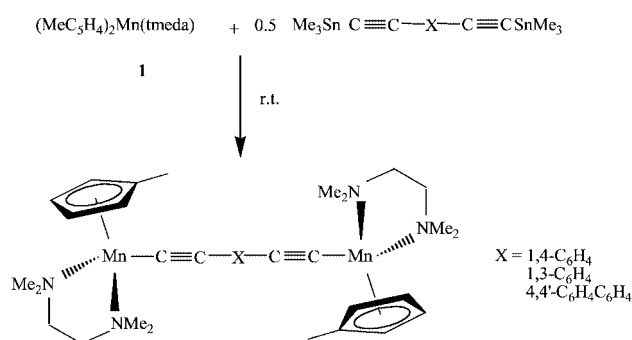


3544 S. Kheradmandan, T. Fox, H. W. Schmalle, K. Venkatesan, H. Berke*



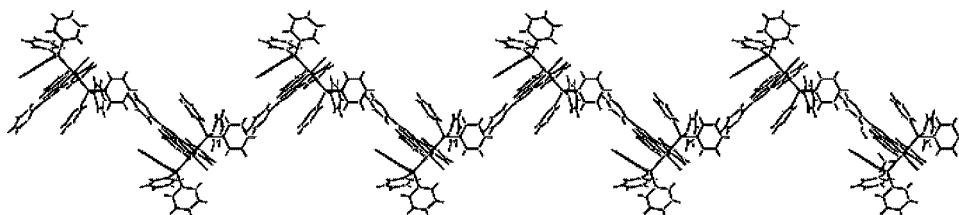
Mono- and Dinuclear High-Spin Half-Sandwich Manganese(II) Complexes Containing Acetylide and TMEDA Ligands

Keywords: Alkyne ligands / Cyclopentadienyl ligands / Half-sandwich complexes / Molecular devices / N ligands



3555 S. Sharma, M. Chandra, D. S. Pandey*

New Multifunctional Complexes $[\text{Ru}(\kappa^3\text{-L})(\text{EPh}_3)_2\text{Cl}]^+$ [$\text{E} = \text{P, As}$; $\text{L} = 2,4,6\text{-Tris(2-pyridyl)-1,3,5-triazine}$] Containing both Group v and Polypyridyl Ligands



Keywords: Ruthenium / Tertiary phosphanes / 2,4,6-Tris(2-pyridyl)-1,3,5-triazine / DNA / Topoisomerase II

Polynuclear Rhenium and Manganese Selenido-Carbonyl Complexes – Reversible Square to Butterfly Conversion of the Re_4Se_2 Core by CO Loss in $[\text{Re}_4(\mu_3\text{-Se})_2(\text{CO})_{16}(\text{PPh}_3)_2]$, and the Crystal Structure of $[\text{Mn}_2(\mu_2\text{-Se}_2)(\text{CO})_5(\text{PPh}_3)_2]$

Keywords: Cluster compounds / Manganese / Rhenium / Selenium

