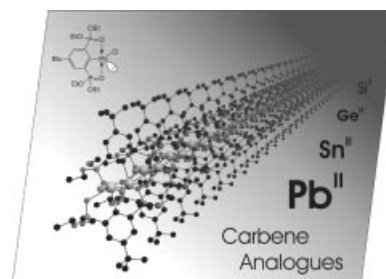


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COVER PICTURE

The cover picture shows, as one representative out of the carbene-analogue family, a novel heteroleptic lead(II) compound containing an O,C,O-coordinating pincer-type ligand. Details are discussed in the article by K. Jurkschat et al. on p. 3563 ff.



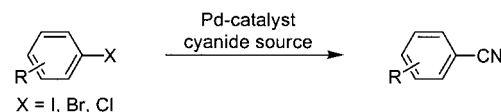
MICROREVIEW

Contents

3513 M. Sundermeier, A. Zapf, M. Beller*

Palladium-Catalyzed Cyanation of Aryl Halides:
 Recent Developments and Perspectives

Keywords: Palladium / Cyanation / Benzonitriles /
 Homogeneous catalysis

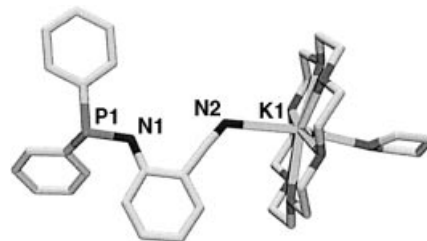


SHORT COMMUNICATIONS

3527 Z. Fei, R. Scopelliti, P. J. Dyson*

Synthesis and Structural Elucidation of a “Free” Phosphinoamide Anion

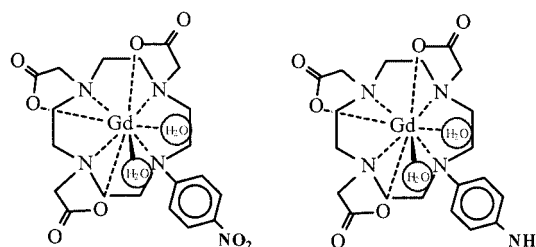
Keywords: N,P ligands / Potassium / Crown ether / X-ray structure



3530 E. Terreno, P. Boniforte, M. Botta, F. Fedeli, L. Milone, A. Mortillaro, S. Aime*

The Water-Exchange Rate in Neutral Heptadentate DO3A-Like Gd^{III} Complexes: Effect of the Basicity at the Macrocyclic Nitrogen Site

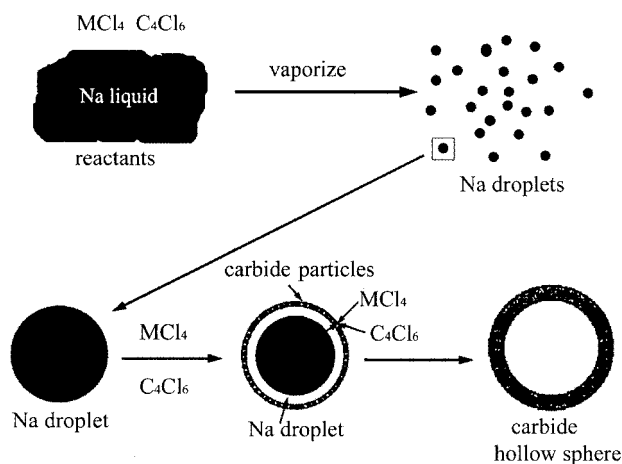
Keywords: Gadolinium / Water exchange / Imaging agents / Kinetics



3534 C. Li, X. Yang, B. Yang, Y. Yan, Y. Qian*

A Template-Interface Co-Reduction Synthesis of Hollow Sphere-like Carbides

Keywords: Nanostructures / Carbides / Titanium / Vanadium / Synthesis design

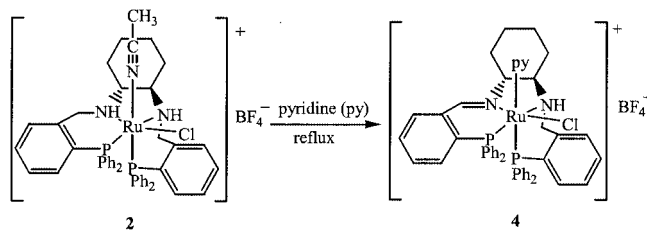


FULL PAPERS

3539 W. K. Wong,* X.-P. Chen, T.-W. Chik, W.-Y. Wong, J.-P. Guo, F.-W. Lee

Synthesis of Chiral Cationic (Diimino- and diaminodiphosphane)ruthenium Complexes and Their Applications in Catalytic Oxidation – Crystal Structures of *cis*-[RuCl(py){κ⁴-Ph₂PC₆H₄CH=NC₆H₁₀N=CHC₆H₄PPh₂}][BF₄⁻] and *cis*-[RuCl(py){κ⁴-Ph₂PC₆H₄CH=NC₆H₁₀N-(H)CH₂C₆H₄PPh₂}][BF₄⁻]

Keywords: Catalysis / Chiral complexes / Oxidation / N,P ligands / Ruthenium

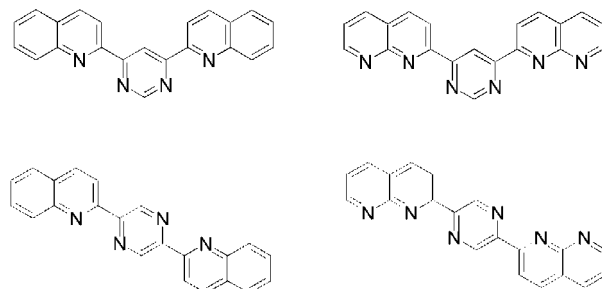


3547

D. Brown, S. Muranjan, R. P. Thummel*

The Preparation and Study of Bis(2-quinolyl) and Bis(2-[1,8]naphthyridyl) Derivatives of Pyrimidine and Pyrazine as Bridging Ligands for Ru^{II}

Keywords: Bridging ligands / Ruthenium / N ligands

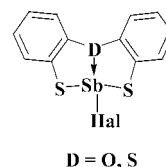


3554

J. G. Alvarado-Rodríguez,*
N. Andrade-López, S. González-Montiel,
G. Merino, A. Vela

Study of the D→Sb (D = O, S) Transannular Interaction in Sb-Monohalogenated Dibenzosibocines – An Experimental and Theoretical Study

Keywords: Antimony / Density functional calculations / Halogens / Hypervalent compounds / Structure elucidation



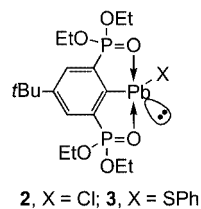
3563

K. Jurkschat,* K. Peveling, M. Schürmann



Synthesis, Structure, and Reactivity of Novel Intramolecularly Coordinated Organolead(II) Compounds

Keywords: Lead / Chain structures / Carbene homologues / Phosphorus / Hypervalent compounds

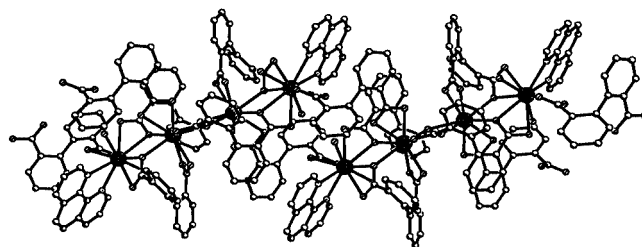


3572

Y. Wang, X. Zheng, W. Zhuang, L. Jin*

First Examples of Ternary Lanthanide 2,2'-Diphenyldicarboxylate Complexes: Hydrothermal Syntheses and Structures of Lanthanide Coordination Polymers of 2,2'-Diphenyldicarboxylic Acid and 1,10-Phenanthroline

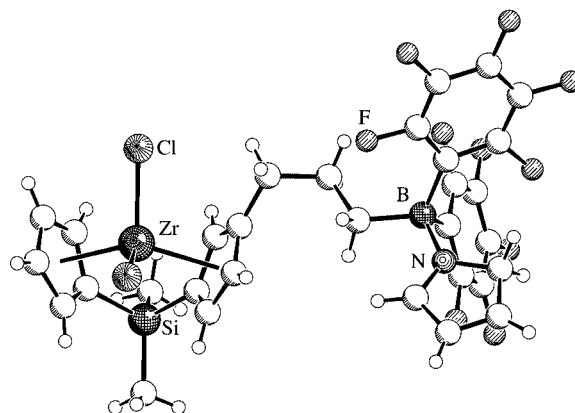
Keywords: Complexes / Hydrothermal synthesis / Lanthanides / Hydrogen bonds / X-ray diffraction





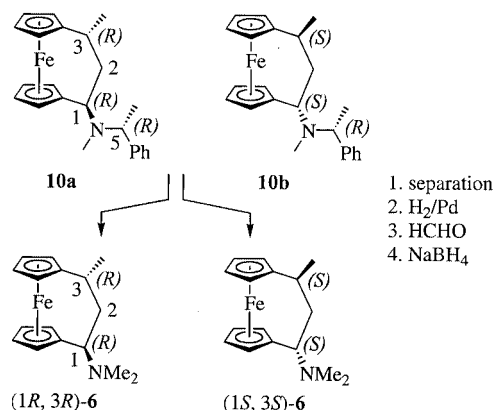
Organic Functional Group Transformations in the Periphery of a Group-4 Metallocene Complex: 2*H*-Pyrrole Formation at a Pendant Boron Lewis Acid

Keywords: Boron / Hydroboration / Lewis acids / Tautomerism / Zirconium



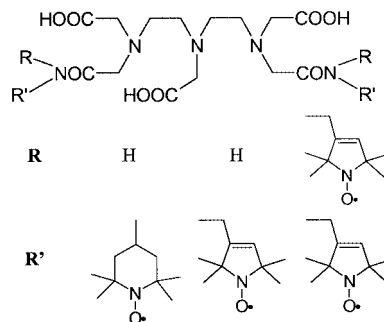
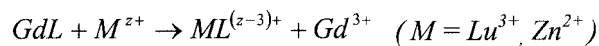
Preparation of Optically Active α -Amino[3]-ferrocenophanes – Building Blocks for Chelate Ligands in Asymmetric Catalysis

Keywords: Ferrocenes / Ferrocenophanes / Chelate ligands



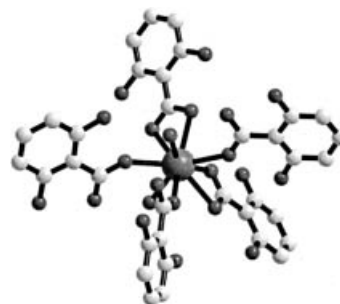
Synthesis, Equilibrium and Kinetic Properties of Gd^{3+} Complexes of Three DTPA-Bis(Amide) Derivatives Containing Stable Nitroxide Free Radical Substituents

Keywords: Chelates / Imaging agents / Kinetics / Lanthanides / Radicals



Lanthanide Complexes of 2,6-Dihydroxybenzoic Acid: Synthesis, Crystal Structures and Luminescent Properties of $[nBu_4N]_2[Ln(2,6-dhb)_5 \cdot (H_2O)_2]$ (Ln = Sm and Tb)

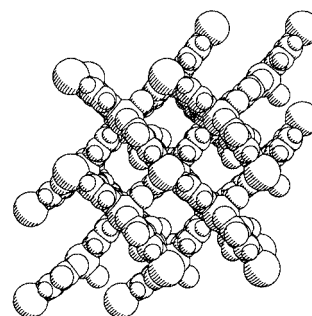
Keywords: Lanthanides / O ligands / Luminescence / Triboluminescence



3618 C.-M. Liu,* D.-Q. Zhang,* J.-L. Luo,
N.-L. Wang, H.-M. Hu, D.-B. Zhu*

A Novel Mixed-Valence Cu^I/Cu^{II} Coordination Polymer: Solvothermal Synthesis, Crystal Structure, and Magnetic Properties of Cu^ICu^{II}-(2-Pyrazinecarboxylate)₂(H₂O)(ClO₄)

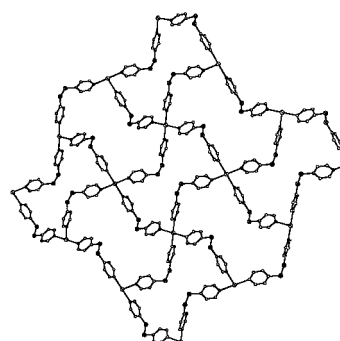
Keywords: Copper / Magnetic properties / N ligands / Solvothermal synthesis



3623 J. Luo, M. Hong,* R. Wang, D. Yuan,
R. Cao, L. Han, Y. Xu, Z. Lin

Self-Assembly of Three Cd^{II}- and Cu^{II}-Containing Coordination Polymers from 4,4'-Dipyridyl Disulfide

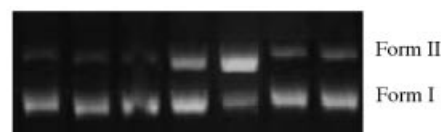
Keywords: Cadmium / Coordination polymers / Copper / Fluorescence / Magnetic properties / N ligands



3633 V. G. Vaidyanathan, B. U. Nair*

Synthesis, Characterization, and DNA Binding Studies of a Chromium(III) Complex Containing a Tridentate Ligand

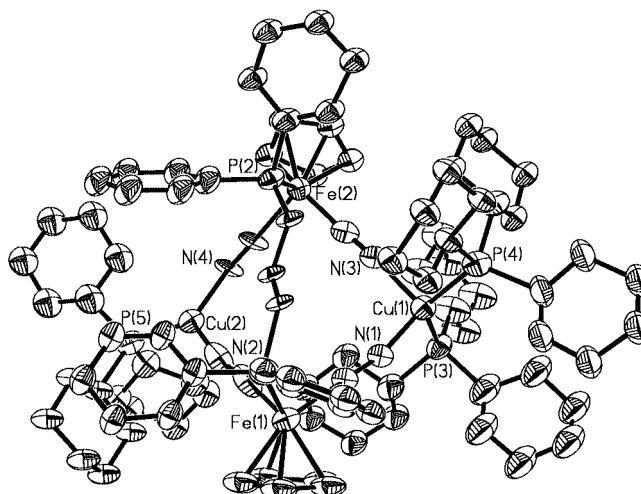
Keywords: Chromium / Tridentate ligands / DNA cleavage / Radicals



3639 D. J. Darensbourg,* M. J. Adams,
J. C. Yarbrough, A. L. Phelps

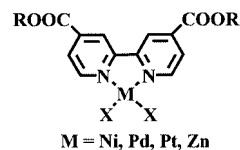
Synthesis and Structural Characterization of Potassium Salts of Phosphane-Substituted (Cyclopentadienyl)iron Dicyanides, and Their Use as Bridging Ligands for Copper(I) Phosphane Derivatives

Keywords: Cyanides / Heterometallic complexes / Bridging ligands / Iron / Copper / Potassium



3649 **D. Pucci,* G. Barberio, A. Crispini,
O. Francescangeli, M. Ghedini, M. La Deda**

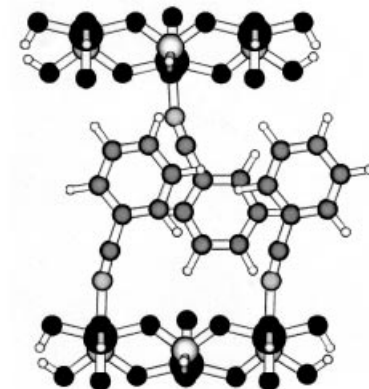
Self-Organization of Dipolar 4,4'-Disubstituted
2,2'-Bipyridine Metal Complexes into Lumi-
nescent Lamellar Liquid Crystals



Keywords: N ligands / Platinum / Zinc / Nickel /
Metallomesogens

3662 **L. Beneš,* V. Zima, K. Melánová, J. Dybal,
M. Trchová, P. Matějka**

Intercalates of Vanadyl Phosphate with Benzo-
nitrile and Tolunitrile



Keywords: Intercalations / X-ray diffraction / Vibra-
tional spectroscopy / Ab initio calcu-
lations / Semiempirical calculations