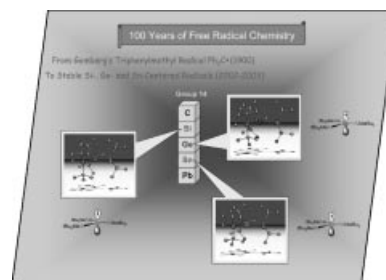


Earliest available Table of Contents:
 Automatically, free of charge by e-mail through
www.interscience.wiley.com/alerts

COVER PICTURE

The cover picture shows the crystal structures of free radicals of the type $(t\text{Bu}_2\text{MeSi})_3\text{E}^\cdot$ ($\text{E} = \text{Si}, \text{Ge}, \text{Sn}$) representing the first stable tricoordinate acyclic radicals of the heavier group 14 elements. All of these radicals have a perfect trigonal-planar geometry, being truly π radicals, both in the crystalline form and in solution, accommodating an odd-electron on the $p_z(\text{E})$ orbitals. The synthesis of such stable radicals has been achieved nearly a century after the historical discovery of the first free radical species, triphenylmethyl $\text{Ph}_3\text{C}^\cdot$ by Gomberg in 1900. The recent developments in the field of stable Si-, Ge-, and Sn-centered free radicals include the synthesis and physico-chemical characterization of the neutral (cyclic and acyclic radicals) and charged (anion radicals of heavy carbene analogues, heavy alkene analogues and heavy alkyne analogues) compounds. The details of this chemistry are described and discussed in the Microreview by V. Ya. Lee and A. Sekiguchi on p. 1209ff.



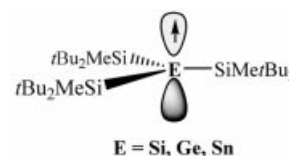
MICROREVIEW

Contents

1209 V. Ya. Lee, A. Sekiguchi*

Si-, Ge-, and Sn-Centered Free Radicals: From
 Phantom Species to Grams-Order-Scale
 Materials

Keywords: Free radical / X-ray diffraction / EPR spec-
 troscopy / Silicon / Germanium / Tin

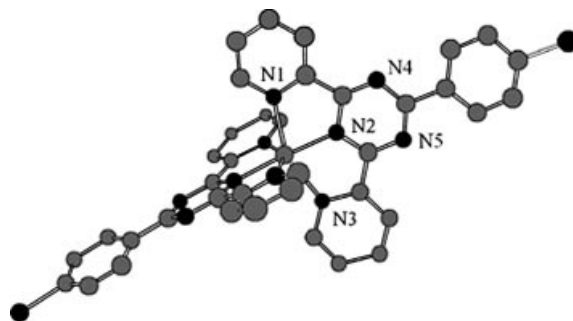


SHORT COMMUNICATIONS

1223 E. A. Medlycott, I. Theobald, G. S. Hanan*

Co^{II} Complexes of Triazine-Based Tridentate Ligands with Positive and Attractive Co^{II/III} Redox Couples

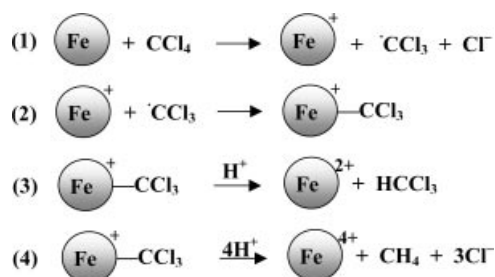
Keywords: Tridentate N ligands / Cobalt complexes / Electrochemistry / Triazine



1227 I. Rusonik, H. Cohen, D. Meyerstein*

Reduction of CCl₄ by Iron Powder in Aqueous Solution

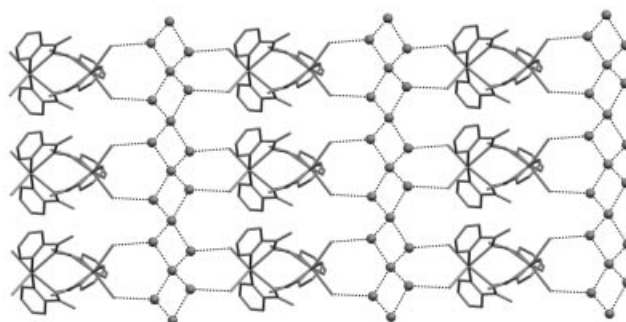
Keywords: Carbon tetrachloride / Reduction / Iron / Mechanism



1230 B.-H. Ye,* A.-P. Sun, T.-F. Wu, Y.-Q. Weng, X.-M. Chen*

Tapes of Cyclic Water Tetramers in the Double-Helical Complex [Cd₂(bpa)₂Cl₄]·6 H₂O

Keywords: Cadmium / Helical structures / N ligands / Water

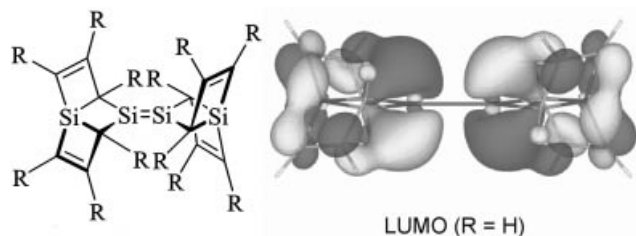


1235 H. Tanaka,* E. Kwon, S. Tsutsui, S. Matsumoto, K. Sakamoto*



Relationship between the Molecular Structure and the π - π^* Transition Energy of a Lattice-Framework Disilene: A DFT Study

Keywords: Density functional calculations / Disilenes / UV/Vis spectroscopy / Electronic structure / Electron transition

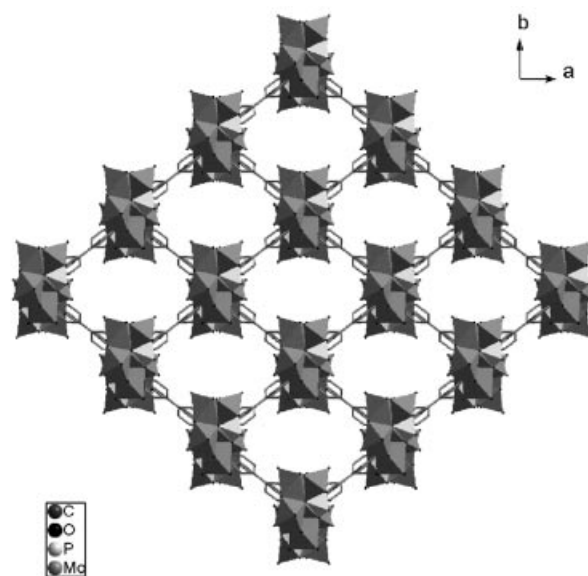


1239 Y. Lu, Y. Li, E. Wang,* J. Lü, L. Xu,
R. Clérac*



$[H_2bpy]_2[\{Cu(bpy)_2\}Mo_5P_2O_{23}] \cdot 4H_2O$: A Three-Dimensional Framework Built from Transition-Metal Coordination Polymer Sheets Pillared by Polyoxomolybdophosphate Clusters

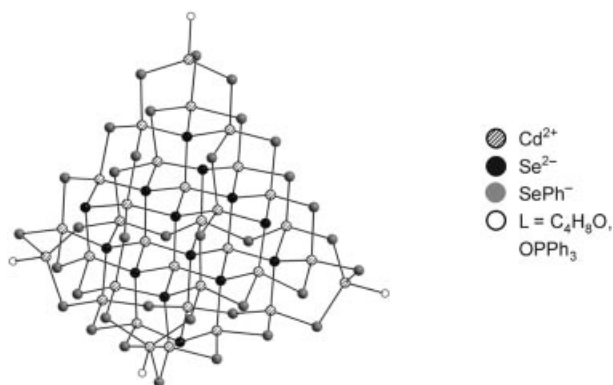
Keywords: Coordination polymers / Magnetic properties / Hydrothermal synthesis / Polyoxometallates



1245 A. Eichhöfer*

Thermal Properties of $[M_{10}Se_4(SePh)_{12}(PR_3)_4]$ (M = Zn, Cd, Hg) Cluster Molecules – Synthesis and Structure of $[Cd_{32}Se_{14}(SePh)_{36}(L)_4]$; L = $OPPh_3$, OC_4H_8

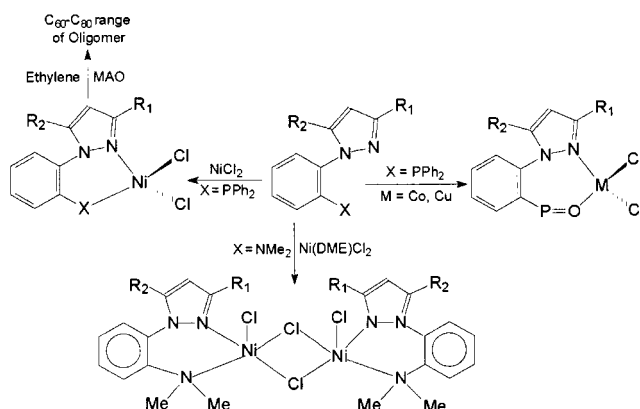
Keywords: Cluster compounds / Cadmium / Selenium / X-ray structure analysis / Thermogravimetric analysis



1254 A. Mukherjee, U. Subramanyam,
V. G. Puranik, T. P. Mohandas, A. Sarkar*

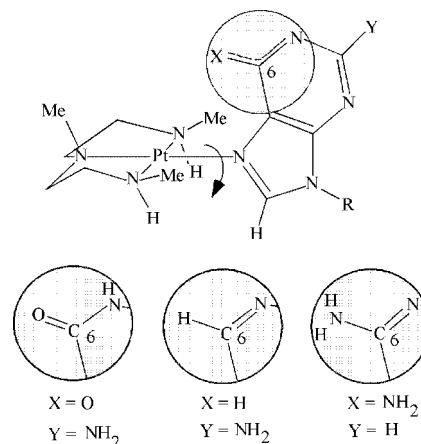
Pyrazole-Tethered Heteroditopic Ligands and Their Transition Metal Complexes: Synthesis, Structure, and Reactivity

Keywords: Pyrazole / Hemilabile ligands / Nickel / Copper / Cobalt / Oligomerization





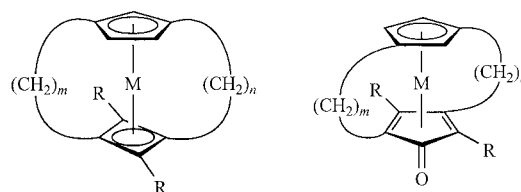
Platinum Complexes with Only One Purine Ligand (Guanine, Deoxyguanine, or Adenine) Flanked by Two *cis*-NH(CH₃) Groups – Informative Models for Assessing the Interaction of Purine C6 Substituents with *cis*-Amines



Keywords: Penciclovir / Platinum / Anticancer drugs

1274 C. Schaefer, G. Scholz, R. Gleiter,* T. Oeser, F. Rominger

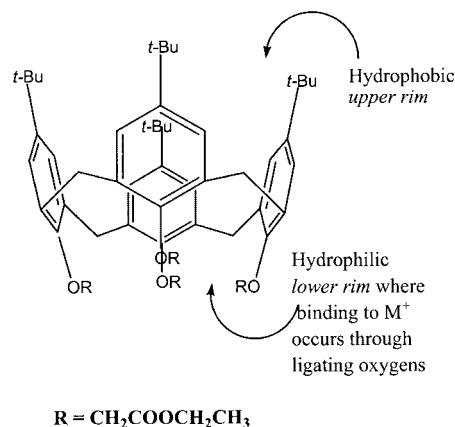
Endohedral Metallocenophanes of Rhodium and Cobalt



Keywords: Cage compounds / Sandwich complexes / Alkynes / Rhodium / Cobalt

1282 B. S. Creaven,* M. Deasy, C. McKenna, B. A. Murray, D. Tobin

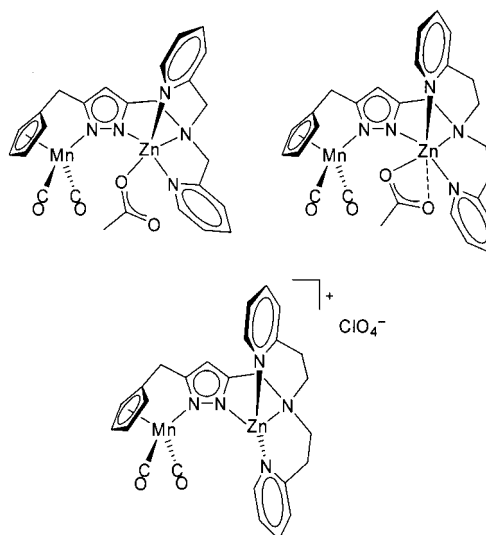
Photocontrol of Complexation of Neutral and Cationic Species by *p*-*tert*-Butylcalix[4]arene Tetraethyl Ester



Keywords: Calixarene / Photocontrol / Anion effect / Solvent effect / Sodium complexes

1293 T. Sheng, S. Dechert, A. C. Stückl, F. Meyer*

Heterobimetallic Systems Containing Organometallic and Classical Coordination Sites: Effects of Subtle Changes in the Werner-Type Site



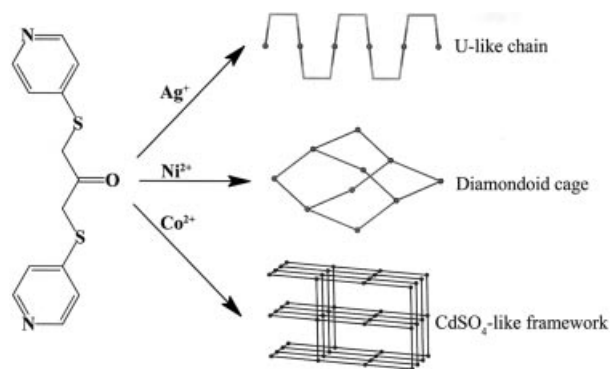
Keywords: Bridging ligands / Cyclopentadienyl ligands / Heterometallic complexes / N ligands / Manganese / Zinc

1303 B. Wu, D. Yuan, F. Jiang, L. Han, B. Lou, C. Liu, M. Hong*



Effect of Conformation and Combination of 1,3-Bis(4-pyridylthio)propan-2-one upon Coordination Architectures: Syntheses, Characterizations and Properties

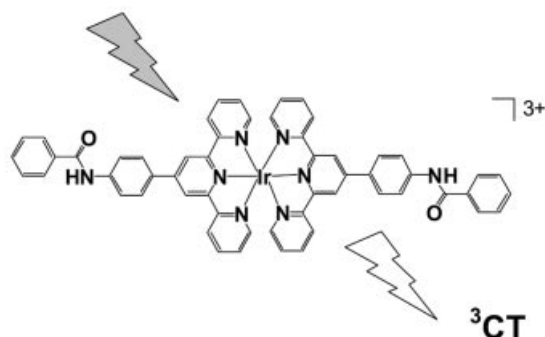
Keywords: Coordination polymer / Interpenetration / Conformation analysis / Magnetic property / Fluorescence



1312 L. Flamigni,* B. Ventura, F. Barigelletti,* E. Baranoff, J.-P. Collin,* J.-P. Sauvage*

Luminescent Iridium(III)-Terpyridine Complexes – Interplay of Ligand Centred and Charge Transfer States

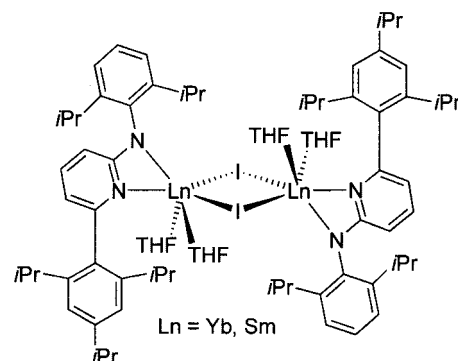
Keywords: Iridium / Photochemistry / Luminescence / Charge transfer / Electron transfer



1319 N. M. Scott, R. Kempe*

Di- and Trivalent Lanthanide Complexes Stabilized by Sterically Demanding Aminopyridinato Ligands

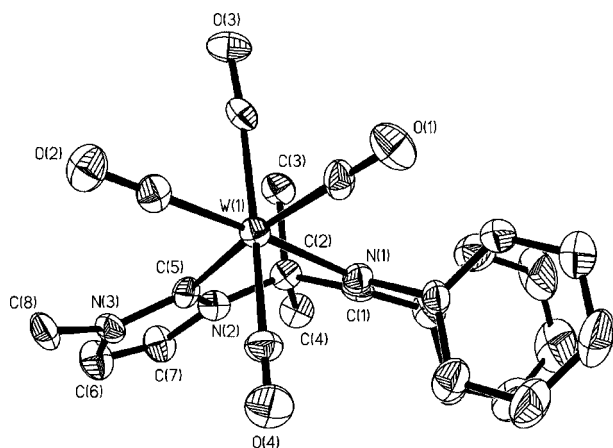
Keywords: minopyridinato ligands / Lanthanides / Neodymium / N ligands / Olefin polymerization / Samarium / Ytterbium



1325 G. Steiner, H. Kopacka, K.-H. Ongania, K. Wurst, P. Preishuber-Pflügl, B. Bildstein*

Heteroditopic Imino N-Heterocyclic Carbenes and Their Sulfur, Selenium, and Tungsten Tetracarbonyl Derivatives

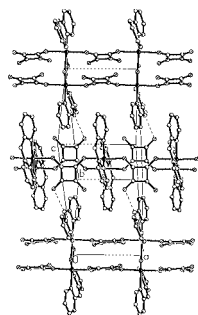
Keywords: Carbene ligands / N ligands / Selenium / Sulfur / Tungsten



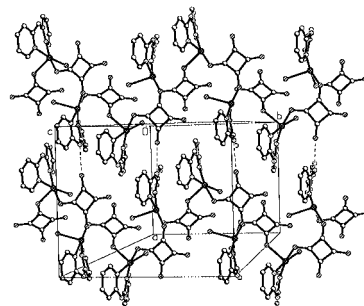
1334 C.-C. Wang,* C.-H. Yang, G.-H. Lee,
H.-L. Tsai

Syntheses, Structures, and Magnetic Properties of Two 1D, Mixed-Ligand, Metal Coordination Polymers, $[M(C_4O_4)(dpa)(OH_2)]$ ($M = Co^{II}$, Ni^{II} , and Zn^{II} ; dpa = 2,2'-dipyridylamine) and $[Cu(C_4O_4)(dpa)(H_2O)]_2 \cdot (H_2O)$

Keywords: Hydrogen bonds / Hydrothermal synthesis / Magnetic properties / Self-assembly / Squarate



$[M(dpa)(C_4O_4)(H_2O)]$

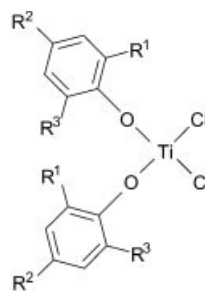


$[Cu(dpa)(C_4O_4)(H_2O)]_2 \cdot (H_2O)$

1343 A. J. Nielson,* C. Shen, P. Schwerdtfeger,
J. M. Waters

Synthesis, Structure, Coordination Expansion and Theoretical Modelling of Dichlorobis(phenoxo) Titanium(IV) Complexes

Keywords: Complexes / Phenoxo ligands / Structure elucidation / Theoretical structure / Titanium

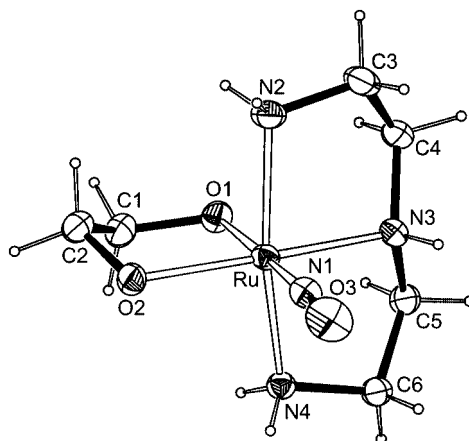


- | | |
|-----|-------------------------------------|
| 1: | $R^1, R^3 = H; R^2 = CMe_3$ |
| 3: | $R^1, R^2, R^3 = Me$ |
| 5: | $R^1, R^3 = CHMe_2; R^2 = H$ |
| 7: | $R^1, R^3 = CMe_3; R^2 = Me$ |
| 8: | $R^1, R^2 = Me; R^3 = H$ |
| 10: | $R^1, R^2 = CMe_3; R^3 = H$ |
| 11: | $R^1 = CMe_3; R^2 = H; R^3 = Me$ |
| 13: | $R^1 = Ph; R^2, R^3 = H$ |
| 14: | $OPhR^1R^2R^3 = 1\text{-naphthoxy}$ |

1353 M. Barth, X. Kästele, P. Klüfers*

Nitrosyl Ruthenium Diolato Complexes

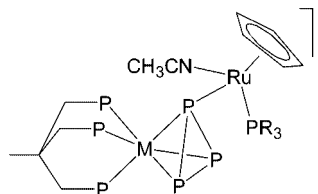
Keywords: Ruthenium / Nitrosyl / Diols / Carbohydrate complexes



1360 P. Barbaro, M. Di Vaira, M. Peruzzini,
S. Seniori Costantini, P. Stoppioni*

Adducts of Cyclotriphosphorus Complexes with Cyclopentadienyl Ruthenium Fragments: Synthesis, Solid-State Structure and Solution Behaviour

Keywords: Cyclotriphosphorus / Ruthenium / Cyclopentadienyl / Monodentate P ligands



$M = Co, Rh$

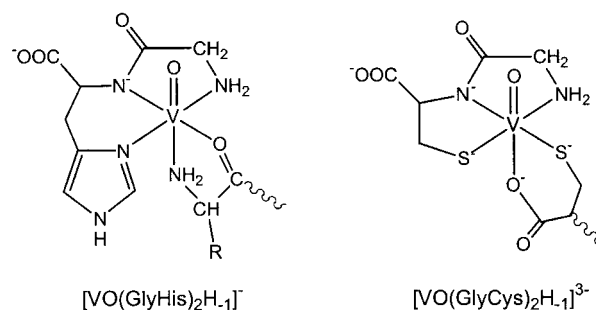
$R = Me, Ph, Cy$

1369

E. Garribba,* E. Lodyga-Chruscinska,
G. Micera,* A. Panzanelli, D. Sanna

Binding of Oxovanadium(IV) to Dipeptides Containing Histidine and Cysteine Residues

Keywords: Vanadium / Peptides / Bioinorganic chemistry / EPR spectroscopy / Coordination modes / Bond theory

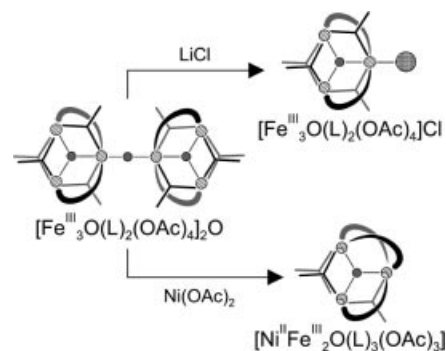


1383

R. W. Saalfrank,* A. Scheurer, K. Pokorny,
H. Maid, U. Reimann, F. Hampel,
F. W. Heinemann, V. Schünemann,
A. X. Trautwein

Trinuclear Oxo-Centered Iron and Iron/Nickel Clusters – Ligand-Controlled Homo/Hetero Valency

Keywords: Trinuclear complexes / Iron / Nickel / Mixed-valent complexes / Heteronuclear complexes

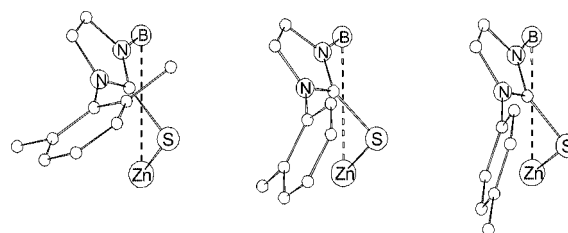


1388

M. M. Ibrahim, M. Shu, H. Vahrenkamp*

New Tris(thioimidazolyl)borate Ligands and Some Zinc Complexes Thereof

Keywords: Alcohol ligands / Alkoxide ligands / S ligands / Tripodal ligands / Zinc



1398

M. Ji, H. Vahrenkamp*

Zinc Thiolate Complexes of (N,N,S)-Tridentate Ligands for the Modeling of Thiolate Alkylating Enzymes

Keywords: Bioinorganic chemistry / S ligands / Tridentate ligands / Zinc

