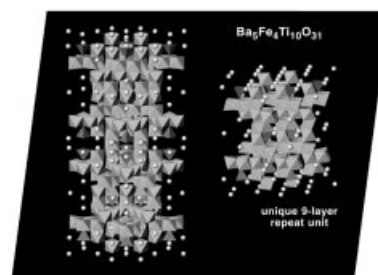


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COVER PICTURE

The cover picture shows two views of $\text{Ba}_5\text{Fe}_4\text{Ti}_{10}\text{O}_{31}$ type structure. Barium atoms are shown as yellow spheres, iron tetrahedra are depicted in red, iron trigonal bipyramids in gold, and titanium octahedra in blue. On the left side is a full unit cell stack of 18 layers, on the right side, the unique 9-layer repeat unit is shown. Details are discussed in the Microreview by T. Siegrist and T. A. Vanderah on p. 1483 ff.



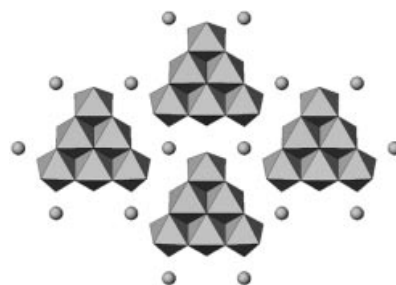
MICROREVIEW

Contents

1483 T. Siegrist,* T. A. Vanderah

Combining Magnets and Dielectrics: Crystal Chemistry in the $\text{BaO}-\text{Fe}_2\text{O}_3-\text{TiO}_2$ System

Keywords: Dielectric properties / Magnetic properties /
 Perovskite phases / Solid-state structures /
 Titanates / Ferrites



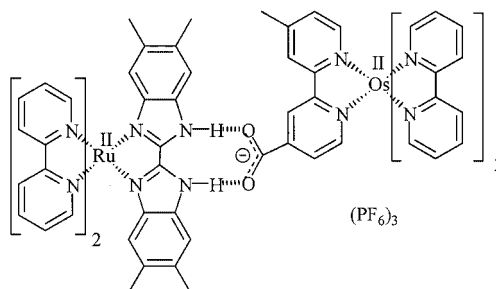
SHORT COMMUNICATIONS

- 1503** S. Rau,* B. Schäfer, S. Schebesta,
A. Grüßing, W. Poppitz, D. Walther,
M. Duati, W. R. Browne, J. G. Vos



Efficient Energy Transfer in Supramolecular,
Hydrogen-Bonded Polypyridylruthenium-
Osmium Complexes

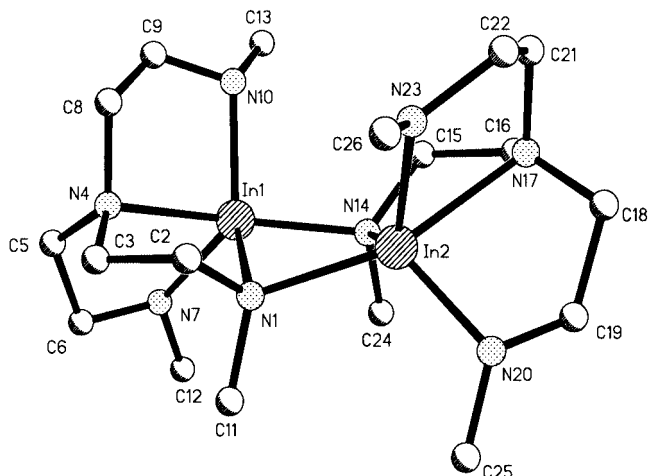
Keywords: Ruthenium / Osmium / Supramolecular
chemistry / Photosynthesis



- 1507** P. L. Shutov, S. S. Karlov,* K. Harms,
O. Kh. Poleshchuk, J. Lorberth,*
G. S. Zaitseva

The First Azaindatrane and Unprecedented
Structural Features

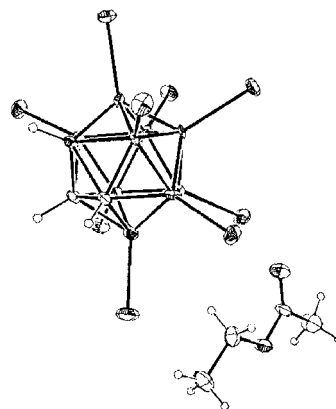
Keywords: Azametallatranes / Indium / Tripodal
ligands



- 1511** G. Barberà, F. Teixidor, C. Viñas,*
R. Sillanpää, R. Kivekäs

Sequential Nucleophilic–Electrophilic Reactions
Selectively Produce Isomerically Pure Nona-*B*-
Substituted *o*-Carborane Derivatives

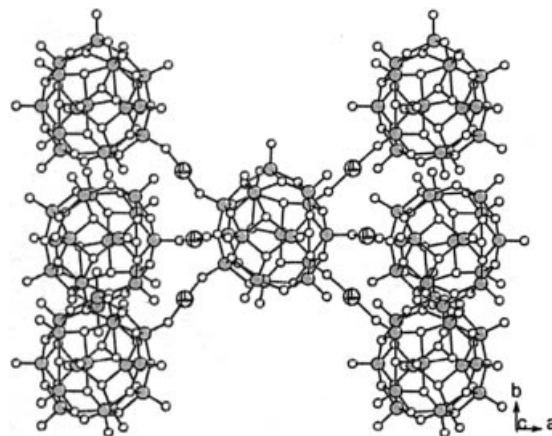
Keywords: Boron / Clusters / Iodinated compounds /
Methylated compounds / Electrophilic
reactions



- 1514** C.-L. Pan, J.-Q. Xu,* G.-H. Li, D.-Q. Chu,
T.-G. Wang

A Three-Dimensional Framework of Novel
Vanadium Clusters Bridged by $[\text{Ni}(\text{en})_2]^{2+}$:
 $\text{Ni}(\text{en})_3\{\text{V}_1\text{V}_3\text{O}_{38}\text{Cl}[\text{Ni}(\text{en})_2]_3\} \cdot 8.5\text{H}_2\text{O}$

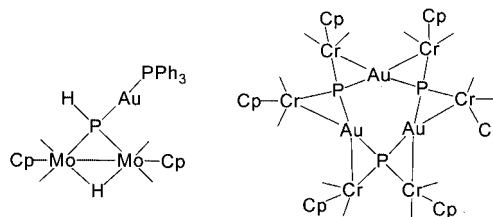
Keywords: Polyoxometalates / Hydrothermal synthesis /
Cluster compounds / Crystal structure



1518 U. Vogel, P. Sekar, R. Ahlrichs, U. Huniar, M. Scheer*

An Unusual Bonding Situation in a Novel Au^I-Phosphido Complex with a Planar Au₃P₃ Framework

Keywords: Metathesis / Cyclopentadienyl ligands / Chromium / P ligands / Gold

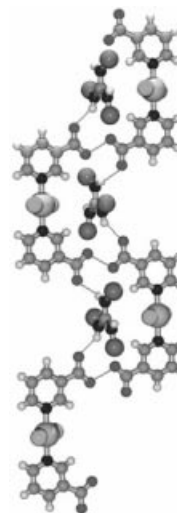


1523 A. Bacchi,* G. P. Chiusoli, M. Costa,* E. Giacobbi



Self-Assembly of Supramolecular Structures from Palladium Chloride and Guanidinium Salts of Pyridinecarboxylic Acids – A Dramatic Change on Passing from the *para*- to the *meta*-Substituted Acid

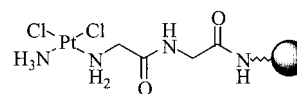
Keywords: Crystal engineering / Hydrogen bonds / Self-assembly / Multicomponent systems



1529 M. S. Robillard, J. S. Leith, G. A. van der Marel, J. H. van Boom, J. Reedijk*

Application of Gel-Phase ¹⁹⁵Pt NMR Spectroscopy in a Novel Solid-Phase Synthesis of a Primary Amine Dichloroplatinum(II) Complex

Keywords: Peptides / Platinum / Solid-phase synthesis / NMR spectroscopy / Bioinorganic chemistry

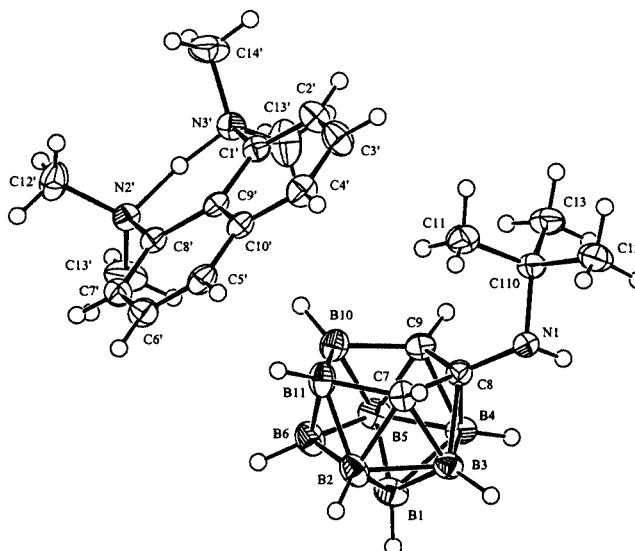


FULL PAPERS

1533 B. Grüner, B. Štíbr,* J. Holub, I. Císařová

Metal-Promoted Cage Rearrangements in the Tricarbollide Series: Conversion of Ligand Derivatives 7-*L*-nido-7,8,9-C₃B₈H₁₀ (L = H₃N, *t*BuH₂N, Me₂HN) into Neutral 8-*R*-nido-7,8,9-C₃B₈H₁₁ (R = H₂N, *t*BuHN, Me₂N) Compounds

Keywords: Boranes / Carboranes / NMR spectroscopy / Rearrangement / N ligands

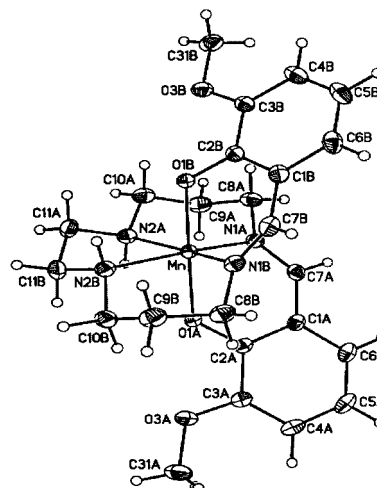


1540 A. Panja, N. Shaikh, S. Gupta,
R. J. Butcher, P. Banerjee*



New Mononuclear Manganese(III) Complexes with Hexadentate (N_4O_2) Schiff Base Ligands: Synthesis, Crystal Structures, Electrochemistry, and Electron-Transfer Reactivity towards Hydroxylamine

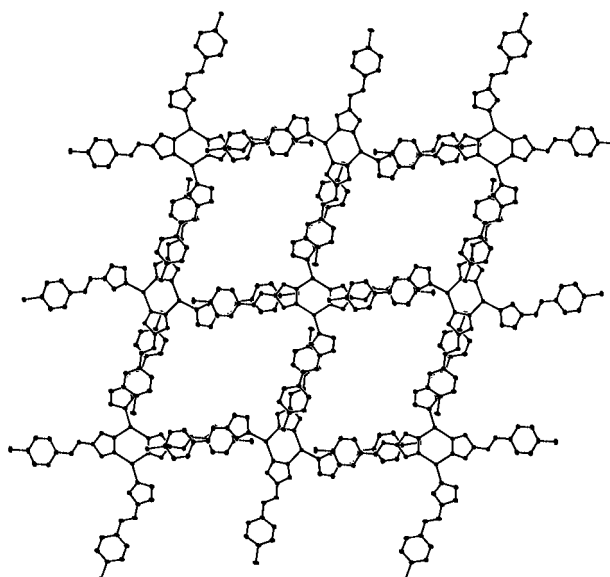
Keywords: Cyclic voltammetry / Electron transfer / Kinetics / Manganese



1548 K. Drabent,* Z. Ciunik, P. J. Chmielewski

Synthesis, Crystallographic and Spectroscopic Studies of Dimeric Cu^I Complexes with Schiff-Base-Containing Triazole Ligands

Keywords: Copper / Schiff bases / N ligands / Dimers / Self-assembly

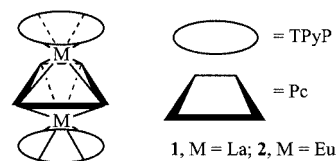


1555 X. Sun, X. Cui, D. P. Arnold,*
M. T. M. Choi, D. K. P. Ng, J. Jiang*



The Electronic Absorption Characteristics of Mixed Phthalocyaninato Porphyrinato Rare Earth(III) Triple-Deckers $M_2(TPyP)_2(Pc)$

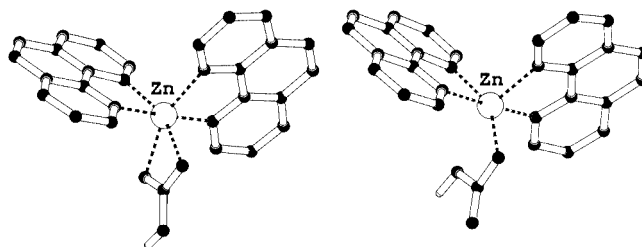
Keywords: Phthalocyanines / Porphyrins / Sandwich complexes / Lanthanides



1562 H. Erras-Hanauer, Z.-W. Mao, G. Liehr,
T. Clark,* R. van Eldik*

Structures of Carbonato and Bicarbonato Complexes of Bis(1,10-phenanthroline)Zinc(II): Experiment and Theory

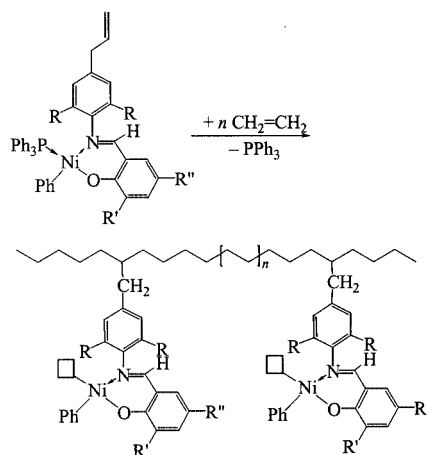
Keywords: Density functional calculations / Zinc / Carbonate complexes / Bicarbonate complexes



1570 D. Zhang, G.-X. Jin,* N.-H. Hu

Ethylene Polymerization by Self-Immobilized Neutral Nickel Catalysts Bearing Allyl Groups

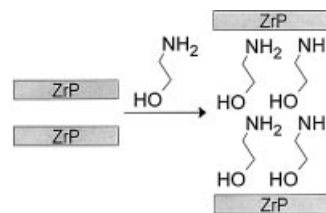
Keywords: Nickel / N,O ligands / Immobilization / Polymerizations



1577 L. Beneš,* K. Melánová, V. Zima, P. Patrono, P. Galli

Intercalation of Amino Alcohols into α -Zr-(HPO₄)₂·H₂O

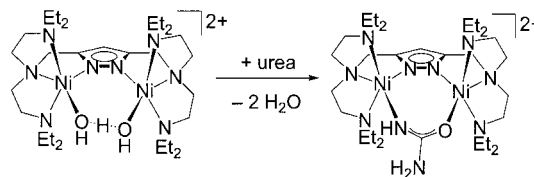
Keywords: Layered compounds / Intercalations / Amino alcohols / Zirconium / Phosphate



1581 S. V. Kryatov, E. V. Rybak-Akimova,* F. Meyer, H. Pritzkow

A Study of the Equilibrium and Kinetics of Urea Binding by a Biomimetic Dinickel(II) Complex

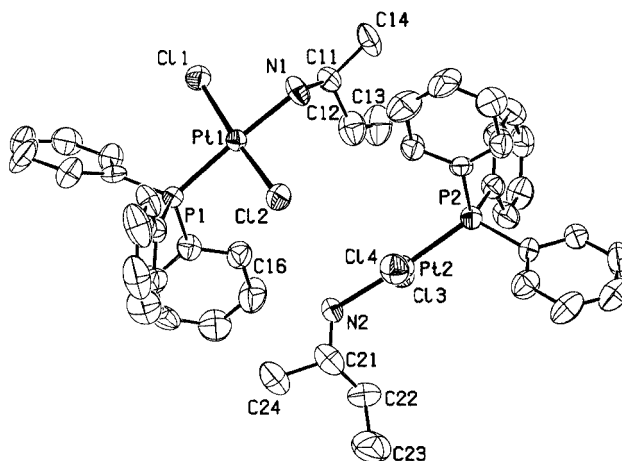
Keywords: Enzyme models / Nickel / N ligands / Kinetics / Thermodynamics



1591 F. J. Ramos-Lima, A. G. Quiroga, J. M. Pérez, M. Font-Bardía, X. Solans, C. Navarro-Ranninger*

Synthesis and Characterization of New Trans-platinum Complexes Containing Phosphane Groups – Cytotoxic Studies in Cisplatin-Resistant Cells

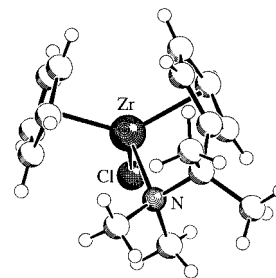
Keywords: Antitumor agents / Bioinorganic chemistry / Crystal structure / Phosphanes / Platinum



1599 S. Döring, V. V. Kotov, G. Erker,* G. Kehr,
K. Bergander, O. Kataeva, R. Fröhlich

Synthesis and Dynamic Features of (Chloro)zirconocene Cations Stabilised by Pendant (Diarylphosphanyl)alkyl and (Dimethylamino)alkyl Substituents at Their Cyclopentadienyl Ring Systems

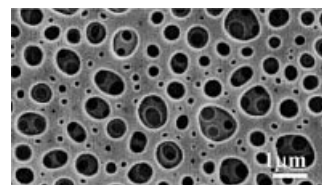
Keywords: Cations / Metallocenes / N ligands / P ligands / Zirconium



1608 I. Izquierdo-Barba, A. Asenjo, L. Esquivias,
M. Vallet-Regí*

SiO₂-CaO Vitreous Films Deposited onto Ti6Al4V Substrates

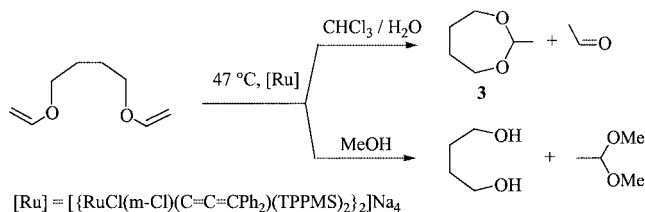
Keywords: Thin films / Sol-gel processes / Gels / Glasses / Amorphous materials



1614 M. Saoud, A. Romerosa,* S. M. Carpio,
L. Gonsalvi, M. Peruzzini*

Ruthenium-Catalysed Selective Transesterification of Substituted Vinyl Ethers To Form Acetals and Aldehydes

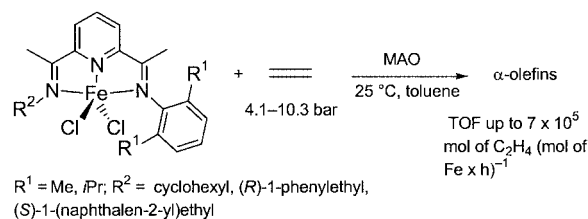
Keywords: Ruthenium / Allenylidenes / Vinyl ethers / Homogeneous catalysis / Acetals



1620 C. Bianchini,* G. Mantovani, A. Meli,
F. Migliacci, F. Zanolini, F. Laschi,
A. Sommazzi

Oligomerisation of Ethylene to Linear α -Olefins by new C_s and C_1 -Symmetric [2,6-Bis(imino)-pyridyl]iron and -cobalt Dichloride Complexes

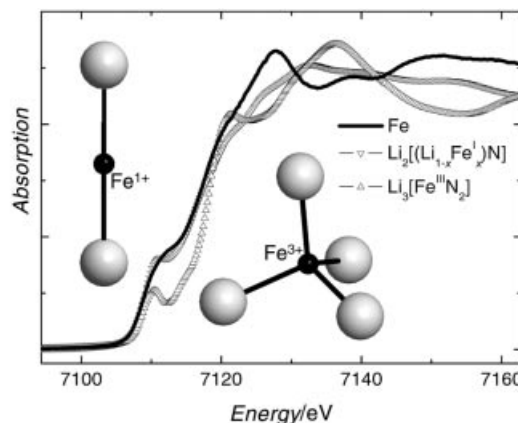
Keywords: Cobalt / Ethylene / Iron / N ligands / Oligomerisation



1632 R. Niewa,* Z. Hu, R. Kniep

Mn and Fe *K*-edge XAS Spectra of Manganese and Iron Nitrido Compounds

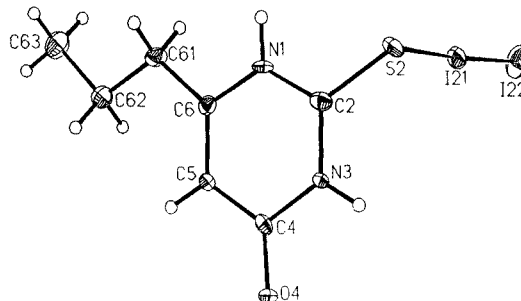
Keywords: X-ray absorption spectroscopy / Nitrides / Iron / Manganese



1635 C. D. Antoniadis, G. J. Corban,
S. K. Hadjikakou,* N. Hadjiliadis,*
M. Kubicki, S. Warner, I. S. Butler

Synthesis and Characterization of (PTU)₂
(PTU = 6-*n*-propyl-2-thiouracil) and
(CMBZT)₂ (CMBZT = 5-chloro-2-mercapto-
benzothiazole) and Possible Implications for the
Mechanism of Action of Anti-Thyroid Drugs

Keywords: Bioinorganic chemistry / Charge transfer /
Iodine / S ligands / Nitrogen heterocycles



1641 S. Perrier, F. Seela, A. Schwartz, M. Leng,
J.-C. Chottard*

The Human Telomeric Sequence (T₂AG₃)_n is
Efficiently Cross-Linked by AN1 Binding to the
Platinum of a *trans*-Pt(NH₃)₂ Chelate of an
Antisense Oligo-2'-*O*-Methylribonucleotide

Keywords: Platinum / DNA / RNA / Chelates /
Bioinorganic chemistry

