

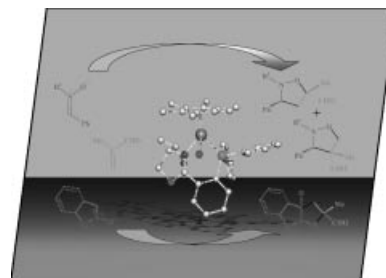
Earliest available Table of Contents:

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COVER PICTURE

The cover picture shows the structure of a chiral half-sandwich ruthenium(II) complex with the (4*S*)-2-[2-(diphenylphosphanyl)phenyl]-4-isopropyl-1,3-oxazoline ligand that catalyzes the asymmetric 1,3-dipolar cycloaddition reaction of nitrones with methacrolein. Catalyst precursors as well as dipolarophile or nitron-containing intermediates have been isolated and spectroscopically and/or crystallographically characterized. Details are discussed in the article by D. Carmona, M. P. Lamata, L. A. Oro et al. on p. 3155ff.



MICROREVIEW

Contents

3135 D. J. Mindiola,* B. C. Bailey, F. Basuli

What a Difference One Electron Makes! Generating Low-Coordinate Ti–C and V–C Multiply Bonded Frameworks Through One Electron Oxidatively Induced α -Hydrogen Abstractions



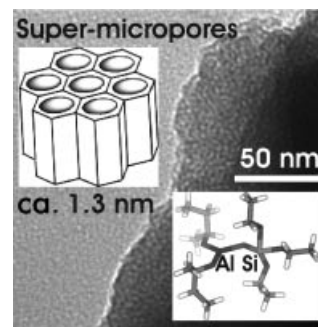
Keywords: Alkylidenes / Alkylidynes / Titanium / Vanadium / Hydrogen abstraction / Oxidation

SHORT COMMUNICATIONS

- 3147** L. Huerta, F. Romero-Sarria, O. Marie,
C. Guillem, A. Beltrán, J. Latorre,
D. Beltrán, P. Amorós*

One-Pot Synthesis of a New High-Aluminium-Content Super-Microporous Aluminosilicate

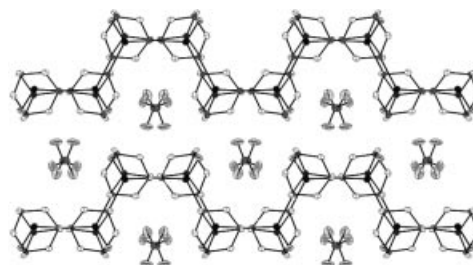
Keywords: Super-microporous / Aluminosilicates / Surfactants



- 3152** F. Mohr,* L. R. Falvello, M. Laguna*

A Silver(I) Coordination Polymer Containing Tridentate *N*- and *P*-Coordinating 1,3,5-Triaza-7-phosphaadamantane (PTA) Ligands

Keywords: Silver / Coordination polymer / Phosphane / Self-assembly

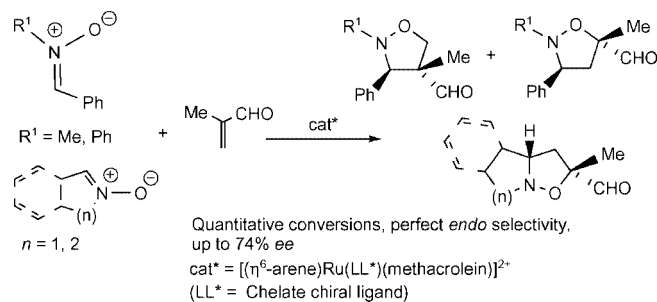


FULL PAPERS

- 3155** D. Carmona*, M. P. Lamata,* F. Viguri,
J. Ferrer, N. García, F. J. Lahoz,
M. L. Martín, L. A. Oro*

Chiral Half-Sandwich Ruthenium(II) Complexes as Catalysts in 1,3-Dipolar Cycloaddition Reactions of Nitrones with Methacrolein

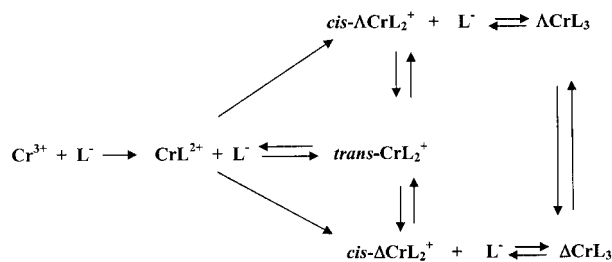
Keywords: Asymmetric catalysis / Cycloadditions / Ruthenium / Phosphanyloxazolines / Half-sandwich complexes



- 3167** P. Biscarini,* M. Benedetti, R. Kuroda,
F. Ferranti*

Transfer of Chirality in Complexes with *D*₃ Symmetry: Kinetics of the Formation Reaction of Chiral Tris[*O,O'*-bis(2-methylbutyl)dithiophosphato]chromium(III) Complexes (Λ,Δ)-[Cr{(±)-Mebdtp}₃], Δ-(+)₅₈₉- and Λ-(-)₅₈₉-[Cr{(±)-(*S,S*)-Mebdtp}₃]

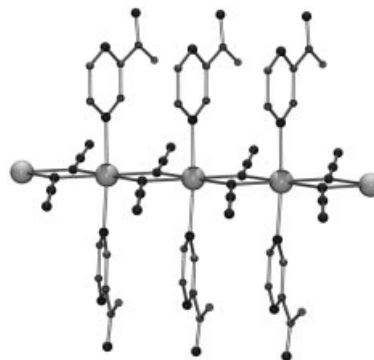
Keywords: Chirality / Circular dichroism kinetics / UV-Vis spectroscopy / Dithiophosphate / Chromium complexes



3177 M. A. M. Abu-Youssef,* A. Escuer,
V. Langer

Synthesis, Structure, and Magnetic Behavior of
Two New 1D Polymeric Manganese Azido
Complexes

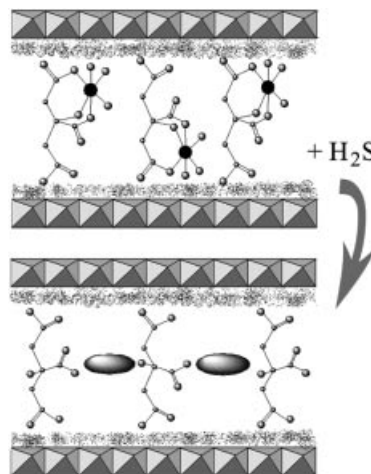
Keywords: Manganese / Coordination polymers /
Azido complexes / Aqua complexes /
Magnetic properties



3185 G. Q. Wu, L. Y. Wang, D. G. Evans,
X. Duan*

Layered Double Hydroxides Containing
Intercalated Zinc Sulfide Nanoparticles:
Synthesis and Characterization

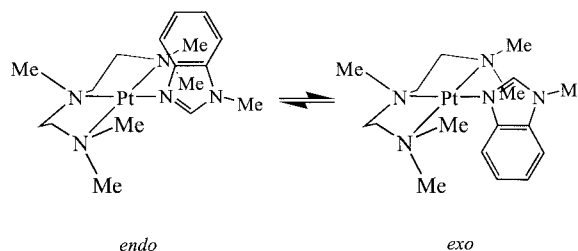
Keywords: Layered compounds / Intercalations /
Zinc complex / Organic–inorganic hybrid
composites / ZnS nanoparticles



3197 L. Cerasino,* G. Natile

Platinum Complexes with One Monodentate
Ligand (1-Methylbenzimidazole or Antiviral
Ribavirin) Flanked by Two *cis*-NMe₂
Groups: Informative Models for Assessing
Interligand Interactions

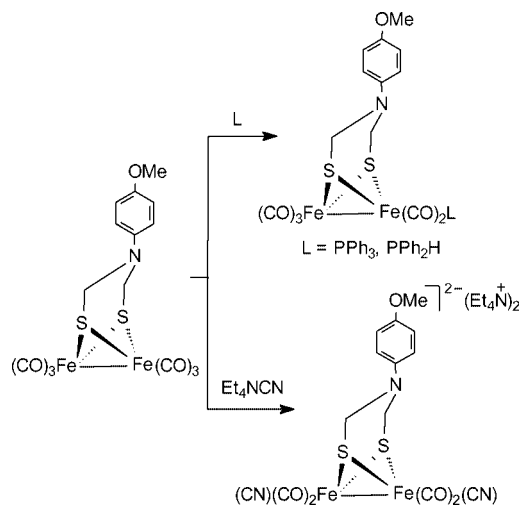
Keywords: Platinum / Pentamethyldiethylenetriamine /
1-Methylbenzimidazole / Ribavirin /
Interligand interactions



3204 L.-C. Song,* J.-H. Ge, X.-G. Zhang, Y. Liu,
Q.-M. Hu

Methoxyphenyl-Functionalized Diiron
Azadithiolates as Models for the Active Site
of Fe-Only Hydrogenases: Synthesis,
Structures, and Biomimetic H₂ Evolution

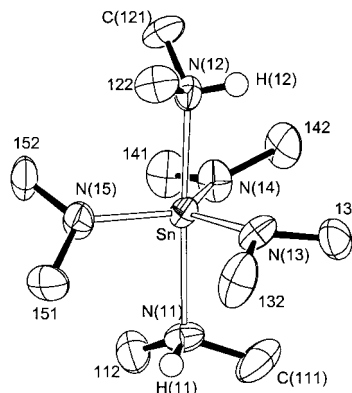
Keywords: Biomimetic chemistry / Diiron
azadithiolate / Iron-only hydrogenases /
Structural elucidation / Catalytic H₂ evolution



3211 Y. Sarazin, S. J. Coles, D. L. Hughes,
M. B. Hursthouse, M. Bochmann*

Cationic Brønsted Acids for the Preparation of Sn^{IV} Salts: Synthesis and Characterisation of [Ph₃Sn(OEt₂)] [H₂N{B(C₆F₅)₃}₂], [Sn(NMe₂)₃-(HNMe₂)₂][B(C₆F₅)₄] and [Me₃Sn(HNMe₂)₂]-[B(C₆F₅)₄]

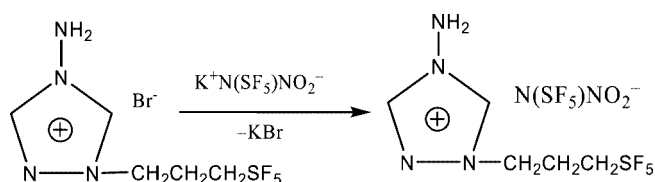
Keywords: Tin / Cations / N ligands / Anions



3221 H. Gao, C. Ye, R. W. Winter, G. L. Gard,
M. E. Sitzmann, J. M. Shreeve*

Pentafluorosulfanyl (SF₅) Containing Energetic Salts

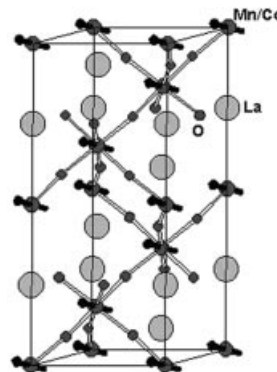
Keywords: Ionic liquids / Pentafluorosulfanyl nitramide / Quaternization / Salts / Heats of formation / Energetic materials



3227 A. Peña, J. Gutiérrez,* I. G. de Muro,
J. Campo, J. M. Barandiarán, T. Rojo

Correlation Between Structure and Magnetic and Magnetotransport Properties of La_{0.7}Pb_{0.3}-(Mn_{1-x}Co_x)O₃ (0.1 ≤ x ≤ 0.3) CMR Manganites

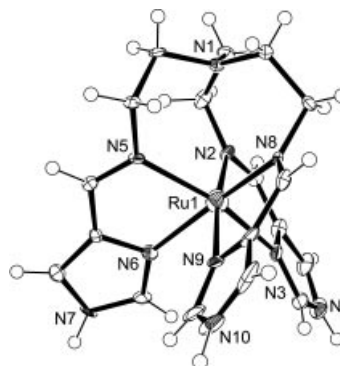
Keywords: Manganites / Crystal structure / Magnetic properties / Magnetoresistance / Metal-insulator transition / Perovskite phases



3236 T. Yamaguchi, K. Harada, Y. Sunatsuki,
M. Kojima,* K. Nakajima, N. Matsumoto

A Ruthenium(II) Complex with a Tripodal Ligand Containing Three Imidazole Groups

Keywords: Ruthenium / Redox chemistry / Chirality / Schiff bases / N ligands / Tripodal ligands

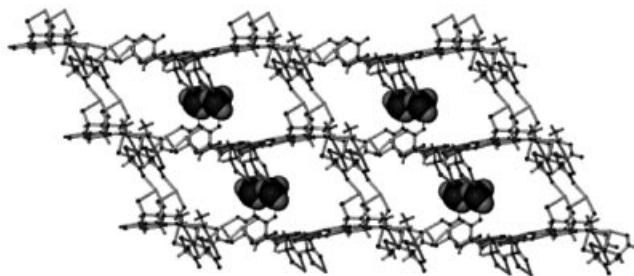


3244 C. Ma,* Q. Zhang



A Supramolecular Assembly of Organotin Complexes: Syntheses, Characterization and Crystal Structures of Organotin Complexes with *meso*-2,3-Dimercaptosuccinic Acid

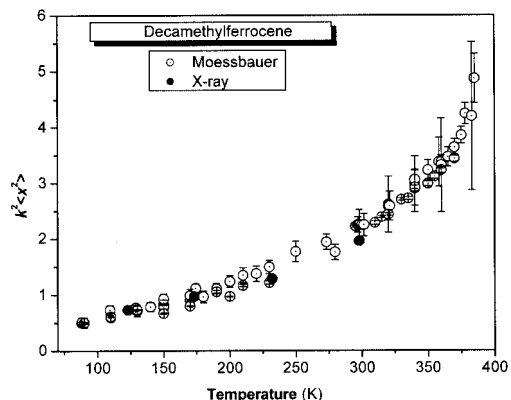
Keywords: S ligands / Self-assembly / Supramolecular chemistry / Tin



3255 R. H. Herber,* I. Nowik, V. Kahlenberg, H. Kopacka, H. Schottenberger

Metal Atom Vibrational Amplitudes in Decamethylferrocene and Related Organometallics

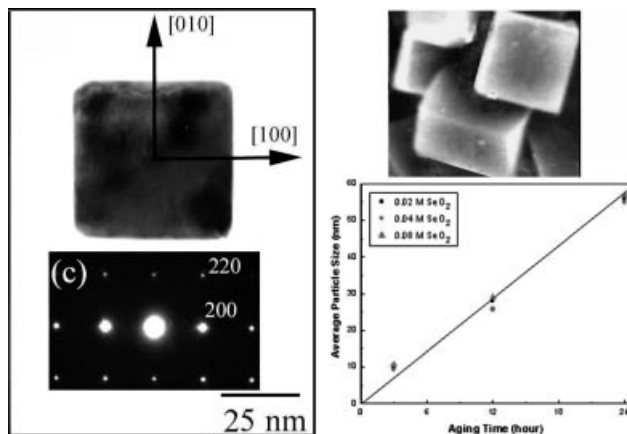
Keywords: Sandwich complexes / Iron / Vibrational amplitudes / Mössbauer spectroscopy / Isotopic enrichment



3261 P. Gao, Y. Xie,* Z. Li

Controlling the Size of BaF₂ Nanocubes from 1000 to 10 nm

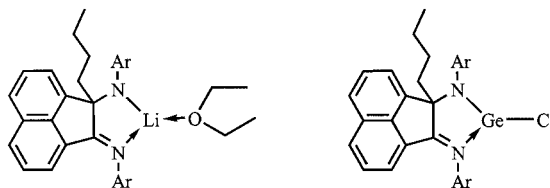
Keywords: BaF₂ Nanocubes / Nanostructures / Electron diffraction / X-ray diffraction



3266 I. L. Fedushkin,* M. Hummert, H. Schumann

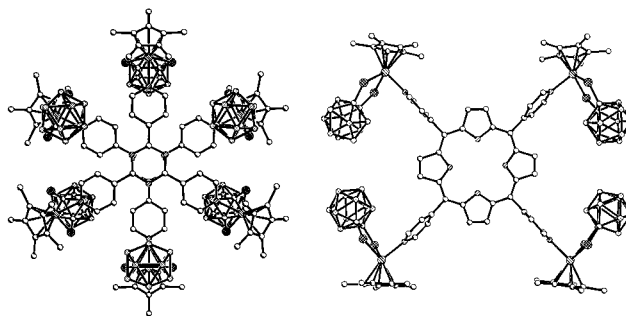
Molecular Structures and NMR Studies of Lithium and Germanium(II) Complexes of a New Chelating Amido–Imino Ligand Obtained by Addition of *n*BuLi to 1,2-Bis(arylimino)acnaphthene

Keywords: Lithium / N ligands / Germanium / Structure elucidation



3274 J.-Q. Wang, C.-X. Ren, G.-X. Jin*

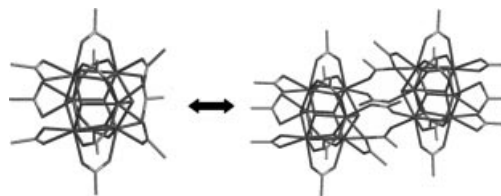
A Route to Multi-Clusters Containing Half-Sandwich Rh and Ir Complexes of Chelating 1,2-Dicarba-*closo*-dodecaborane(12)-1,2-dithiolate Ligands



Keywords: Iridium / Rhodium / Carboranes / N ligands / Cluster compounds

3283 M. Puchberger, F. R. Kogler, M. Jupa, S. Gross, H. Fric, G. Kickelbick, U. Schubert*

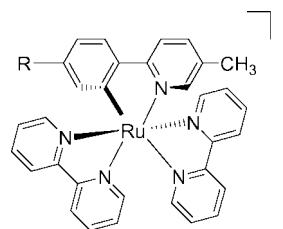
Can the Clusters $Zr_6O_4(OH)_4(OOCR)_{12}$ and $[Zr_6O_4(OH)_4(OOCR)_{12}]_2$ Be Converted into Each Other?



Keywords: Zirconium / Zirconium oxo cluster / Hafnium oxo cluster / Metal carboxylate / Ligand exchange

3294 I. Sasaki,* L. Vendier, A. Sournia-Saquet, P. G. Lacroix

Facile Synthesis of Cyclometalated Ruthenium Complexes with Substituted Phenylpyridines



Keywords: Metallacycles / N ligands / Ruthenium



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