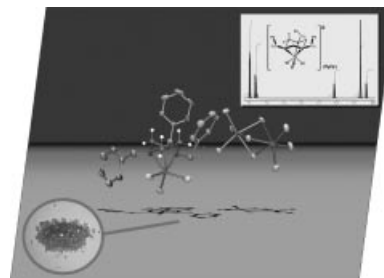


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COVER PICTURE

The cover picture shows the first crystallographically characterized cationic triazacyclohexane complex of titanium. The hydrogen atoms of the ring-CH₂ groups engage in C–H···Cl interactions with the anion (only the shortest shown) and give rise to two characteristic doublets in the ¹H NMR spectrum with shifts that are highly dependent on the *N*-substituents, solvent and anion. The cationic complex is readily formed by the treatment of triazacyclohexanes with excess TiCl₄ which often results in large crystals containing the Ti₂Cl₉ anion. Details are discussed in the article by R. D. Köhn et al. on p. 3217 ff.



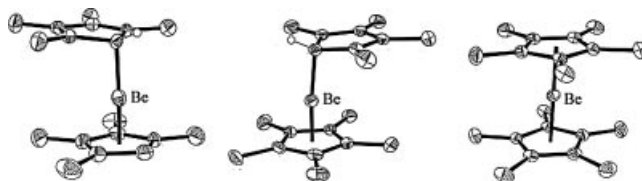
MICROREVIEW

Contents

3197 R. Fernández, E. Carmona*

Recent Developments in the Chemistry of Berylloenes

Keywords: Beryllium / Cyclopentadienyl ligands /
 Half-sandwich complexes / Metallocenes



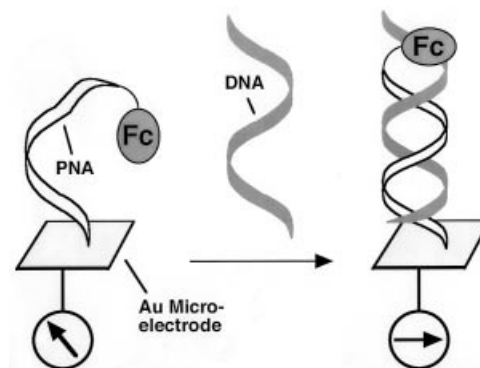
SHORT COMMUNICATIONS

3207 A. Maurer, H.-B. Kraatz, N. Metzler-Nolte*



Synthesis and Electrochemical Characterization of Metallocene–PNA Oligomers

Keywords: Electrochemical DNA detection / Ferrocene / Metallocenes / Peptide nucleic acids

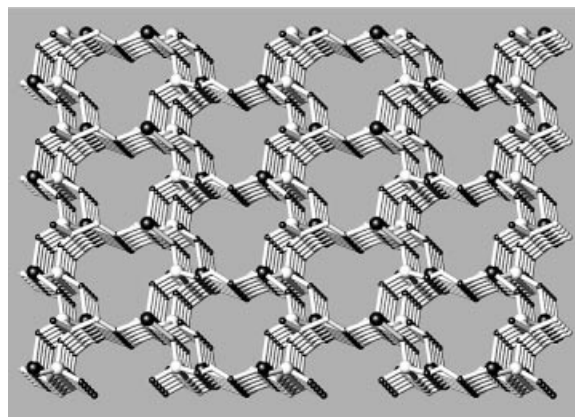


3211 R. Fu, H. Zhang, L. Wang, S. Hu, Y. Li, X. Huang, X. Wu*



Nonlinear Optical Activity and High Thermal Stability of a New 3D Open-Framework with Interconnected 24-, 16-, and 8-Atom Channels: $(\text{NH}_4)\text{Zn}[\text{O}_3\text{PCH}(\text{OH})\text{CO}_2]$

Keywords: Zinc / Hydroxy(phosphonoato)acetate / Nonlinear optical activity / Hydrothermal synthesis / Open-framework

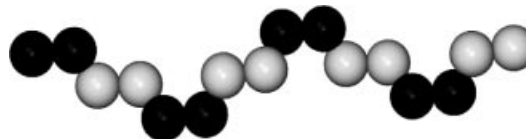


3214 B. Lou, F. Jiang, D. Yuan, B. Wu, M. Hong*



Synthesis and Characterization of a 3D H-Bonded Supramolecular Complex with Chiral Channels Encapsulating 1D Left-Handed Helical Water Chains

Keywords: Chiral channels / Water chains / Amino acids



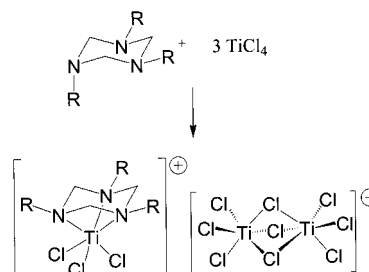
FULL PAPERS

3217 R. D. Köhn,* P. Kampe, G. Kociok-Köhn



Reaction of 1,3,5-Triazacyclohexanes with TiCl_4 : Formation of Cationic Complexes

Keywords: N ligands / Tridentate ligands / Titanium

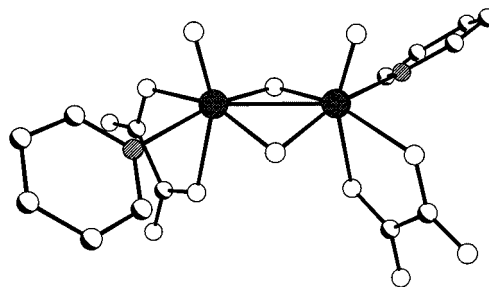


3224 B. Modec,* D. Dolenc, J. V. Brenčič,
J. Koller, J. Zubieta



Dinuclear Oxomolybdate(v) Species with Oxalato and Pyridine Ligands Revisited: *cis/trans* Isomerization of $[\text{Mo}_2\text{O}_4(\eta^2\text{-C}_2\text{O}_4)_2(\text{R-Py})_2]^{2-}$ (R-Py = Pyridine, Alkyl-Substituted Pyridine) in Water Evidenced by NMR Spectroscopy

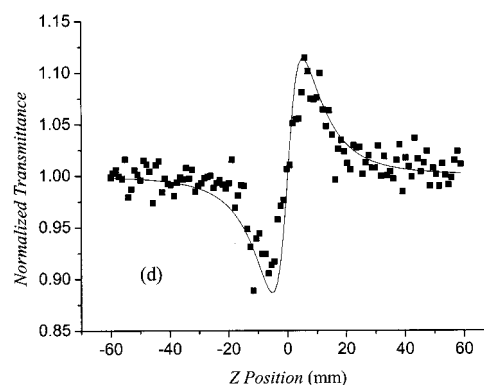
Keywords: Isomerization / Molybdenum / N ligands / NMR spectroscopy / Polyoxometalates



3238 L. K. Li, Y. L. Song, H. W. Hou,*
Y. T. Fan, Y. Zhu

Syntheses, Structures, and Optical Properties of β -Ferrocenylacrylate Metal Polymers

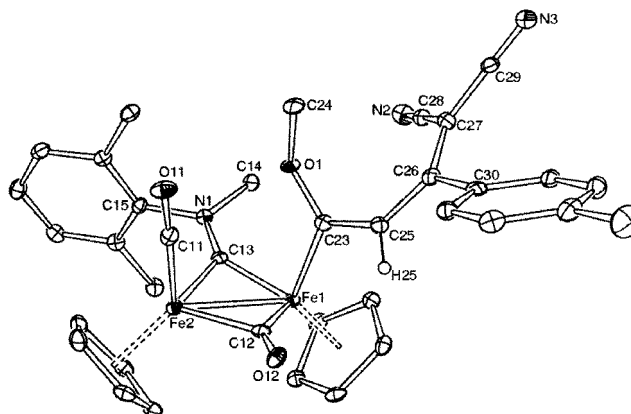
Keywords: Cadmium / Lead / Nonlinear optics / Organic–inorganic hybrid composites / Polymers



3250 L. Busetto,* F. Marchetti, S. Zacchini,
V. Zanotti

Formation of C–C Bonds in Diiron Complexes by Addition of Carbanions to Alkynyl(methoxy)carbene Ligands

Keywords: Carbanions / Carbene ligands / C–C coupling

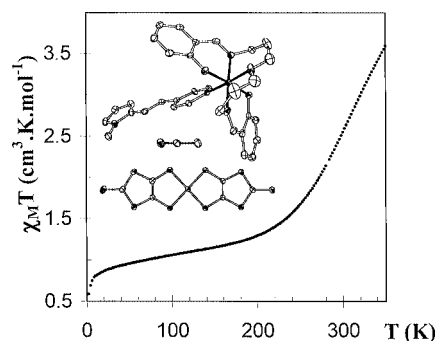


3261 C. Faulmann,* S. Dorbes,
B. Garreau de Bonneval, G. Molnár,
A. Bousseksou, C. J. Gomez-Garcia,
E. Coronado, L. Valade



Towards Molecular Conductors with a Spin-Crossover Phenomenon: Crystal structures, Magnetic properties and Mössbauer Spectra of $[\text{Fe}(\text{salten})\text{Mepepy}][\text{M}(\text{dmit})_2]$ complexes

Keywords: Conducting materials / Magnetic properties / Moessbauer spectroscopy / Spin crossover / X-ray diffraction

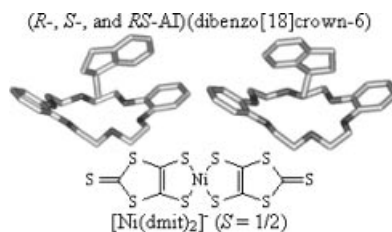


3271 T. Akutagawa,* K. Matsuura, S. Nishihara,
S.-i. Noro, T. Nakamura*



Supramolecular Cations of (*S*)-, (*R*)-, and (*RS*)-Indan-1-aminium(dibenzo[18]crown-6) in Magnetic [Ni(dmit)₂][−] Salts

Keywords: Crown compounds / Magnetic properties / Supramolecular chemistry / Chirality / S ligands

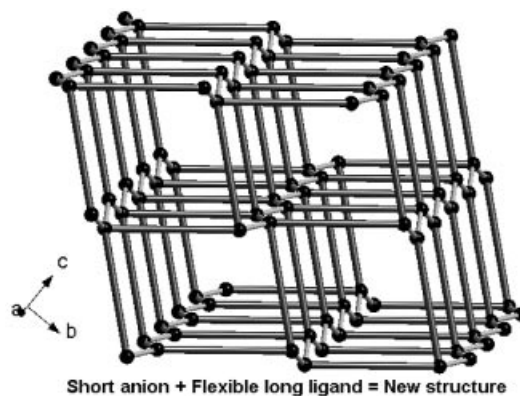


3277 X.-Y. Wang, B.-L. Li*, X. Zhu, S. Gao*



Extended Networks of Co²⁺ and Mn²⁺ Bridged by NCS[−]/N₃[−] Anions and Flexible Long Spacers: Syntheses, Structures, and Magnetic Properties

Keywords: Thiocyanate / Azide / Cobalt / Manganese / 1,2-Bis(imidazol-1-yl)ethane / 1,2-Bis(1,2,4-triazol-1-yl)ethane / Magnetic properties

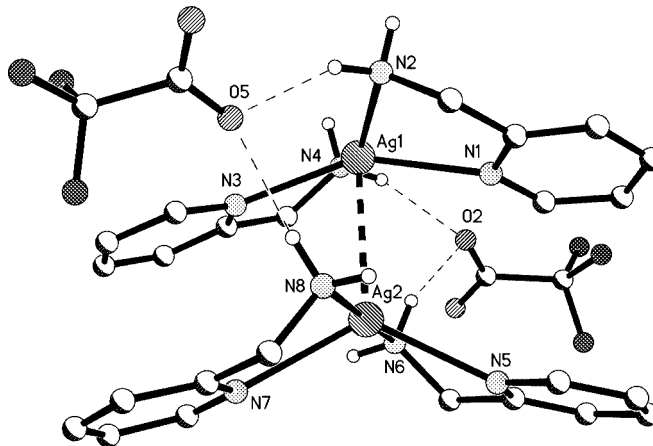


3287 R. P. Feazell, C. E. Carson,
K. K. Klausmeyer*



Variability in the Structures of Luminescent [2-(Aminomethyl)pyridine]silver(I) Complexes: Effect of Ligand Ratio, Anion, Hydrogen Bonding, and π -Stacking

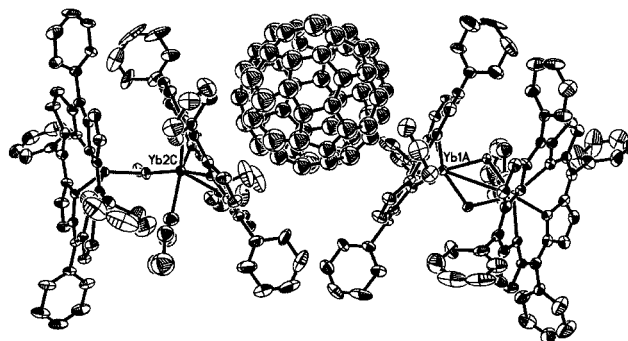
Keywords: Silver / N ligands / X-ray diffraction / Coordination modes



3298 J. Zhang,* R. Cai, M. Chen, L. Weng,
X. Zhou*

Synthesis and Crystal Structure of a Cocrystal Compound of a Rare Earth Metalloporphyrin with Fullerene {[TPPYb(μ -OH)₂Yb(THF)-TPP]}·C₆₀_{*n*}

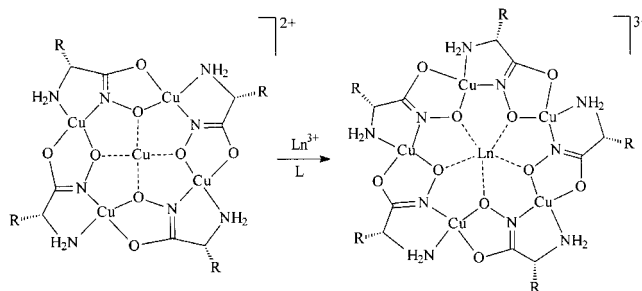
Keywords: Metalloporphyrin / Fullerenes / Cocrystal / Ytterbium



3303 A. Pacco, T. N. Parac-Vogt, E. van Besien,
K. Pierloot, C. Görller-Walrand,
K. Binnemans*

Lanthanide(III)-Induced Conversion of 12-Metallacrown-4 to 5-Metallacrown-5 Complexes in Solution

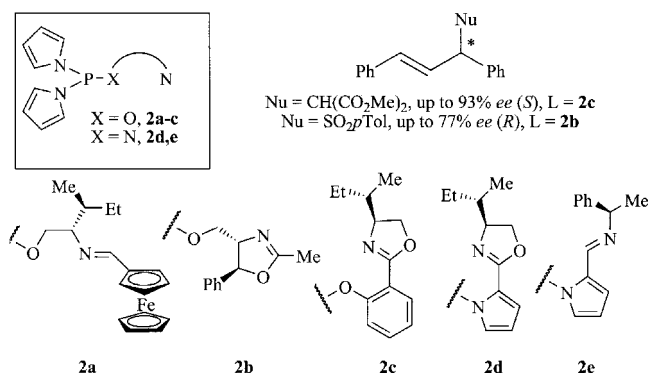
Keywords: Lanthanides / Hydroxamic acids / Metallacrowns / N,O ligands / Rare earths



3311 K. N. Gavrilov, V. N. Tsarev,* S. I. Konkin,
S. E. Lyubimov, A. A. Korlyukov,
M. Y. Antipin, V. A. Davankov

Imino- and Oxazolino-Functionalised Pyrrolylphosphanes and Pyrrolylphosphinites: An Unexploited Class of Chiral *P,N*-Bidentate Ligands with Unusual Electronic Properties

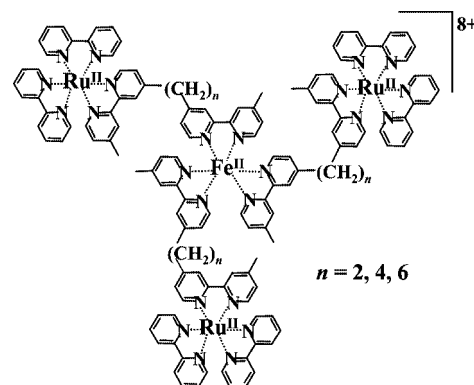
Keywords: Allylic substitution / Asymmetric catalysis / Palladium / *P,N*-bidentate ligands / Rhodium



3320 J. Lombard, S. Romain, S. Dumas,
J. Chauvin, M.-N. Collomb, D. Daveloose,
A. Deronzier,* J.-C. Leprêtre*

Tetranuclear Polypyridyl Complexes of Ru^{II} and Fe^{II}: Synthesis, Electrochemical, Photophysical and Photochemical Behaviour

Keywords: Bridging ligands / Electrochemistry / Iron / Photochemistry / Ruthenium

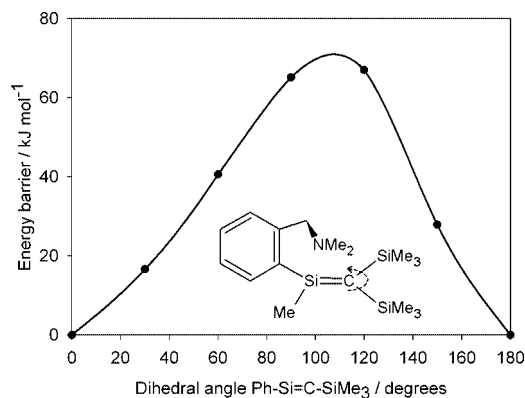


3331 D. Wandschneider, M. Michalik, H. Oehme,
A. Heintz*



Ab initio Study of Some Intramolecularly Donor-Stabilized Silenes

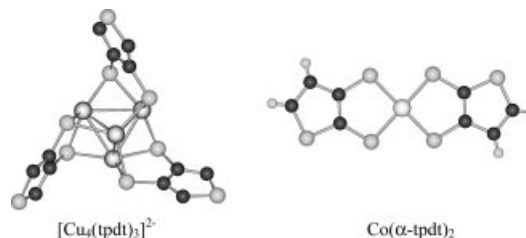
Keywords: Silenes / Ab initio calculation / Donor-acceptor systems



- 3337** D. Belo, M. J. Figueira, J. Mendonca,
I. C. Santos, M. Almeida,* R. T. Henriques,
M. T. Duarte, C. Rovira, J. Veciana

Copper, Cobalt and Platinum Complexes with
Dithiothiophene-Based Ligands

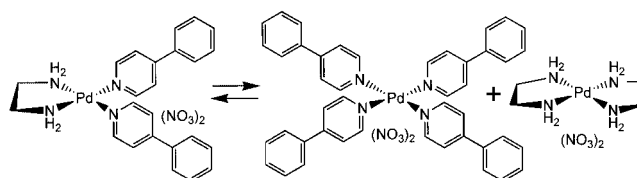
Keywords: S ligands / Coordination chemistry / Cop-
per / Cobalt / Platinum



- 3346** D. K. Chand,* R. Manivannan,
H. S. Sahoo, K. Jeyakumar

Self-Assembly by Ligand-Exchange Reactions

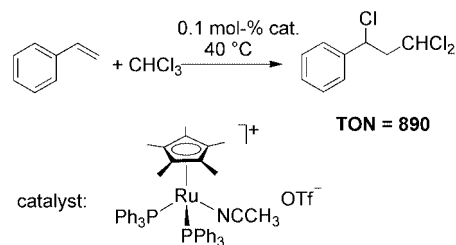
Keywords: Cage compounds / NMR spectroscopy /
Metallacycles / Palladium / Ligand
exchange



- 3353** L. Quebatte, R. Scopelliti, K. Severin*

Atom Transfer Radical Additions with the
Cationic Half-Sandwich Complex $[\text{Cp}^*\text{Ru}-$
 $(\text{PPh}_3)_2(\text{CH}_3\text{CN})]\text{OTf}$

Keywords: ATRA reaction / Homogeneous catalysis /
Radical reaction / Ruthenium

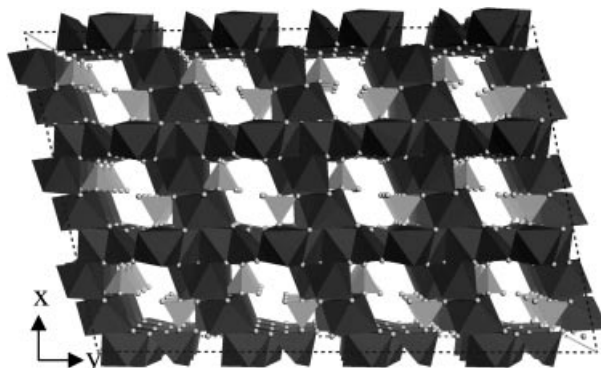


- 3359** Y. Fan, G. H. Li, L. Yang, Z. M. Zhang,
Y. Chen, T. Y. Song,* S. H. Feng*



Synthesis, Crystal Structure, and Magnetic
Properties of a Three-Dimensional Hydroxide
Sulfate: $\text{Mn}_5(\text{OH})_8\text{SO}_4$

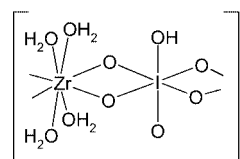
Keywords: Hydroxy sulfate / Hydrothermal synthesis /
Magnetic properties / Thermogravimetry / Structure elucidation



- 3365** A. L. Hector,* W. Levason

Periodates of Tetravalent Titanium, Zirconium,
Hafnium and Thorium: Synthesis, Characterisa-
tion and EXAFS Study

Keywords: Periodates / Polyoxometalates / EXAFS
spectroscopy / Group 4 elements / Thorium



CORRECTIONS

3371 **U. Braun, T. Habereeder, H. Nöth***

Lithium *tert*-Butyl[phenyl(2,2,6,6-tetramethylpiperidino)boryl]amide: A Versatile Reagent

Keywords: Lithium *tert*-butyl[phenyl(2,2,6,6-tetramethylpiperidino)boryl]amide / *N*-Metal borylamides

3372 **M. Bera, W. T. Wong, G. Aromí, D. Ray***

μ - $\eta^1:\eta^1$ -*N,N'*-Imidazolidine-Bridged Dicopper(II/II) Complexes of a New Dinucleating μ -Bis-(tetradentate) Schiff Base Ligand: Synthesis, Structural Characterization, ^1H NMR Spectroscopy, and Magnetic Coupling

Keywords: N,O ligand / Imidazolidine / Copper complexes / Magnetic properties
