

## Contents of Volume 665

### Notes

- Photoactivated hydrosilylation reaction of alkynes  
F. Wang, D.C. Neckers . . . . . 1
- Bis(diphenylphosphino)methylamine as chelate ligand in pentamethylcyclopentadienylrhodium(III) and iridium(III) complexes. Crystal structure of  $[(\eta^5\text{-C}_5\text{Me}_5)\text{RhCl}\{\eta^2\text{-}P, P'\text{-}(\text{PPh}_2)_2\text{NMe}\}]\text{BF}_4$   
M. Valderrama, R. Contreras, D. Boys . . . . . 7
- Simple route to ferrocenyl(alkyl)imidazoles  
A.A. Simenel, E.A. Morozova, Y.V. Kuzmenko, L.V. Snegur . . . . . 13

### Regular Papers

- Synthesis, structural characterisation and reactivity of molybdenum half-sandwich complexes containing keto- and amido-phosphines  
C.D. Andrews, A.D. Burrows, J.C. Jeffery, J.M. Lynam, M.F. Mahon . . . . . 15
- 1-Ferrocenylcyclopropene and 1-ferrocenylcyclopropyl cation  
T. Klimova, E.I. Klimova, M. Martínez García, C. Alvarez Toledano, R.A. Toscano . . . . . 23
- Synthesis of organosilanylene–pentathienylene alternating polymers and their application to the hole-transporting materials in double-layer electroluminescent devices  
J. Ohshita, K. Yoshimoto, M. Hashimoto, D. Hamamoto, A. Kunai, Y. Harima, Y. Kunugi, K. Yamashita, M. Kakimoto, M. Ishikawa . . . . . 29
- Synthesis and structural study of a lithium complex of 6-methyl-2-(trimethylsilylamino)pyridine and its use in the formation of some lanthanoid complexes  
J. Baldamus, M.L. Cole, U. Helmstedt, E.-M. Hey-Hawkins, C. Jones, P.C. Junk, F. Lange, N.A. Smithies . . . . . 33
- A disulfide-bridged manganese carbonyl anion: synthesis, structure and reactivity of  $[\text{Mn}_3(\text{CO})_{10}(\mu_3\text{-S}_2)]^-$   
R.D. Adams, S. Miao . . . . . 43
- The synthesis and liquid crystal behaviour of monosubstituted ferrocenomesogens  
C. Imrie, C. Loubser, P. Engelbrecht, C.W. McClelland, Y. Zheng . . . . . 48
- One ponytail will do: new partially fluorinated phosphines with applications in fluorous biphasic solvent systems  
M.L. Clarke . . . . . 65
- Polycyclic ferrocenyl-4,5-dihydropyrazoles in nucleophilic reactions with  $\beta$ -dicarbonyl compounds  
E.I. Klimova, T. Klimova, M.M. García, E.A.V. López, R.M. Esparza, J.G.A. Rodríguez, T.R. Apan . . . . . 69
- Functionalized cyclopalladated compounds with bidentate Group 15 donor atom ligands: the crystal and molecular structures of  $[\{\text{Pd}[5\text{-(COH)C}_6\text{H}_3\text{C(H)=NCy-C}2, N](\text{Cl})\}_2(\mu\text{-Ph}_2\text{PRPPH}_2)]$  (R =  $\text{CH}_2\text{CH}_2$ ,  $\text{Fe}(\text{C}_5\text{H}_4)_2$ ),  $[\text{Pd}\{5\text{-(COH)C}_6\text{H}_3\text{C(H)=NCy-C}2, N\}(\text{Ph}_2\text{PCH}_2\text{PPh}_2\text{-}P, P)]$  $[\text{PF}_6]$  and  $[\text{Pd}\{5\text{-(COH)C}_6\text{H}_3\text{C(H)=N(Cy)-C}2, N\}(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{AsPh}_2\text{-}P, As)]$  $[\text{PF}_6]$   
R. Ares, M. López-Torres, A. Fernández, M.T. Pereira, G. Alberdi, D. Vázquez-García, J.J. Fernández, J.M. Vila . . . . . 76
- Cyclometallated complexes of Pd(II) with heterobidentate P, As and P, N coordinating ligands  
R. Ares, M. López-Torres, A. Fernández, M.T. Pereira, A. Suárez, R. Mosteiro, J.J. Fernández, J.M. Vila . . . . . 87
- Isonitrile substitution reactions of  $\text{Co}_4(\mu_4\text{-SiR})_2(\text{CO})_{11}$  clusters and the structure of  $\text{Co}_4(\mu_4\text{-SiC}_6\text{H}_4\text{OMe})_2(\text{CO})_7(\text{XyNC})_4$   
C. Evans, B.K. Nicholson . . . . . 95
- 1,2,4-Triphospholyl gold(I) and copper(I) complexes: synthesis, crystal and molecular structures of  $[\text{Cu}(\text{PMe}_3)_2(\mu\text{-P}_3\text{C}_2^2\text{Bu}_2)(\mu\text{-I})\text{Cu}(\text{PMe}_3)_2]$ ,  $[\text{Cu}(\text{PMe}_3)_2(\mu\text{-P}_3\text{C}_2^2\text{Bu}_2)_2\text{Cu}(\text{PMe}_3)_2]$  and  $[\text{Au}(\eta^1\text{-P}_3\text{C}_2^2\text{Bu}_2)]_2[\text{Au}(\text{PET}_3)_2]$   
M.M. Al-Ktaifani, P.B. Hitchcock, J.F. Nixon . . . . . 101

Regulation of electron donating ability to metal center: isolation and characterization of ruthenium carbonyl complexes with <i>N,N</i> - and/or <i>N,O</i> -donor polypyridyl ligands D. Ooyama, T. Kobayashi, K. Shiren, K. Tanaka . . . . .	107
Reactivity and crystal structures of the first dithiocarbamate chromium(0) and dithiophosphate tungsten(0) complexes: crystal structures of [Et <sub>4</sub> N][Cr(η <sup>2</sup> -S <sub>2</sub> CNC <sub>5</sub> H <sub>10</sub> )(CO) <sub>4</sub> ] and [Et <sub>4</sub> N][W{η <sup>2</sup> -S <sub>2</sub> P(OEt) <sub>2</sub> (CO) <sub>4</sub> ] K.-H. Yih, G.-H. Lee, S.-L. Huang, Y. Wang . . . . .	114
Palladium-catalyzed asymmetric allylic substitution using planar chiral hydrazone ligands T. Mino, T. Ogawa, M. Yamashita . . . . .	122
Reactions of a phosphavinyl Grignard reagent with main group mono-halide compounds S. Aldridge, C. Jones, P.C. Junk, A.F. Richards, M. Waugh . . . . .	127
Monocyclopentadienyl phenoxy-imine and phenoxy-amine complexes of titanium and zirconium and their application as catalysts for 1-alkene polymerisation R.K.J. Bott, D.L. Hughes, M. Schormann, M. Bochmann, S.J. Lancaster . . . . .	135
DFT-studies of <i>cis</i> - and <i>trans</i> -[Rh(CO) <sub>2</sub> X <sub>2</sub> ] <sup>+</sup> (X = PH <sub>3</sub> , PF <sub>3</sub> , PCl <sub>3</sub> , PBr <sub>3</sub> , PI <sub>3</sub> or P(CH <sub>3</sub> ) <sub>3</sub> ) and oxidative addition of CH <sub>3</sub> I to them T. Kinnunen, K. Laasonen . . . . .	150
Dirhodium(II) dicarboxylato complexes containing carbonyl and C-bonded methoxycarbonyl ligands Y.S. Varshavsky, T.G. Cherkasova, I.S. Podkorytov, K.A. Lyssenko, A.B. Nikol'skii . . . . .	156
Double bond migration in <i>S</i> -allyl systems catalysed by [RuClH(CO)(PPh <sub>3</sub> ) <sub>3</sub> ] N. Kužnik, S. Krompiec, T. Bieg, S. Baj, K. Skutil, A. Chrobok . . . . .	167
Supported organometallic complexes: Part XXXV. Synthesis, characterization, and catalytic application of a new family of diamine(diphosphine)ruthenium(II) complexes E. Lindner, H.A. Mayer, I. Warad, K. Eichele . . . . .	176
The [Cp(CO) <sub>2</sub> Fe] (Fp) group as a donor in donor/acceptor substituted disilanes: synthesis, structure and electronic properties of Fp-Si <sub>2</sub> Me <sub>4</sub> -C <sub>6</sub> H <sub>4</sub> CH=C(CN) <sub>2</sub> C. Grogger, H. Fallmann, G. Fürpaß, H. Stüger, G. Kickelbick . . . . .	186
[4+2]Cycloadditions of organometallic-substituted siloles with dimethyl acetylenedicarboxylate and tetracyanoethylene B. Wrackmeyer, W. Milius, M.H. Bhatti, S. Ali . . . . .	196
Synthesis and reactions of 1- <i>t</i> -butyldimethylsilyl-2,3-diphenyl-1-aza-3-phosphaallyl lithium and potassium. Crystal structures of [M{P(Ph)C(Ph)NSiMe <sub>2</sub> Bu'}(L)] <sub>2</sub> (M = Li, L = THF; M = K, L = Et <sub>2</sub> O), [Sn{P(Ph)C(Ph)NSiMe <sub>2</sub> Bu'} <sub>2</sub> ] and [P(Ph)C(Ph)=NSiMe <sub>2</sub> Bu'] <sub>2</sub> Z.-X. Wang, D.-Q. Wang, J.-M. Dou . . . . .	205
Synthesis and molecular structure of [(C <sub>5</sub> Me <sub>5</sub> ) <sub>3</sub> Co <sub>3</sub> (μ <sub>3</sub> -S)(μ <sub>3</sub> -SbS <sub>4</sub> I)], a tricobalt complex with the tripodal ψ-SbS <sub>4</sub> -ligand H. Brunner, A. Lange, J. Wachter, M. Zabel . . . . .	214
Synthesis, NMR and structural studies of cluster derivatives derived from reactions of 1,2,3-triphenyl-1,2,3-triphosphaindan with [Os <sub>3</sub> (CO) <sub>10</sub> (μ-H) <sub>2</sub> ] S.-G. Ang, X. Zhong, H.-G. Ang . . . . .	218
Chalcogen-acetylide interaction and unusual reactivity of coordinated acetylide with water: synthesis and characterisation of [(η <sup>5</sup> -C <sub>5</sub> R <sub>5</sub> )Fe <sub>3</sub> (CO) <sub>6</sub> (μ <sub>3</sub> -E)(μ <sub>3</sub> -ECCH <sub>2</sub> R <sup>1</sup> )] (R = H, Me; R <sup>1</sup> = Ph, Fc; E = S, Se) and [(η <sup>5</sup> -C <sub>5</sub> R <sub>3</sub> )MoFe <sub>2</sub> (CO) <sub>6</sub> (μ <sub>3</sub> -S)(μ-SCCH <sub>2</sub> Ph)] (R = H, Me) P. Mathur, C. Srinivasu, S.M. Mobin . . . . .	226
Studies on the catalysis of the reaction of organotin phenoxides with diethyl azodicarboxylate by lithium perchlorate W.J. Kinart, C.M. Kinart . . . . .	233
Synthesis and crystal structures of novel β-diketiminato-lithium, iron, cobalt, nickel, zirconium complexes and their catalytical behaviors in polymerization of ethylene M.-S. Zhou, S.-P. Huang, L.-H. Weng, W.-H. Sun, D.-S. Liu . . . . .	237
Catalysis of triethoxysilane disproportionation with oligoethylene glycol ethers L.N. Parshina, L.A. Oparina, M.Y. Khil'ko, B.A. Trofimov . . . . .	246
Air- and moisture-stable cationic (diphosphine)palladium(II) complexes as hydroamination catalysts: X-ray crystal structures of two [(diphosphine)Pd(NCMe)(OH <sub>2</sub> ) <sub>2</sub> ] <sup>2+</sup> [OTf] <sub>2</sub> <sup>-</sup> complexes K. Li, P.N. Horton, M.B. Hursthouse, K.K.M. Hii . . . . .	250

Book review . . . . .	258
Author Index of Volume 665 . . . . .	259
Subject Index of Volume 665 . . . . .	261
Contents of Volume 665 . . . . .	267