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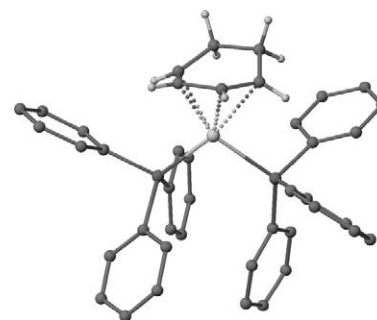
Note

Adem Rifat, Mary F. Mahon,
Andrew S. Weller

J. of Organomet. Chem. 667 (2003) 1

Dehydrogenation of cyclohexenes to cyclohexadienes by $[(PPh_3)_2Rh]^+$. The isolation of an intermediate in the dehydrogenation of cyclohexane to benzene: crystal structure of $[(\eta^4-C_6H_8)Rh(PPh_3)_2][closo-CB_{11}H_6Br_6]$

Treatment of the arene bridged dimer $[(PPh_3)_2Rh]_2[closo-CB_{11}H_6Br_6]_2$ with cyclohexene affords $[(\eta^4-C_6H_8)Rh(PPh_3)_2][closo-CB_{11}H_6Br_6]$, an intermediate in the catalytic dehydrogenation of cyclohexane to benzene.



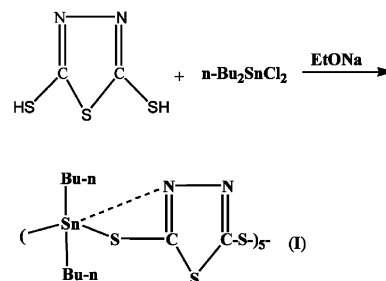
Short Communication

Chunlin Ma, Feng Li, Daqi Wang,
Handong Yin

J. of Organomet. Chem. 667 (2003) 5

Synthesis and crystal structure of a novel pentanuclear complex of tin (IV) with heterocyclic sulfur and nitrogen donor ligands

A novel macrocyclic complex of organotin was synthesized by the reaction of dibutyltin dichloride with 2,5-dimercapto-1,3,4-thiadiazole. The title pentanuclear complex of tin is a 35-membered macrocycle. All five Sn atoms are six-coordinate, and have distorted octahedron geometries due to intramolecular Sn–N interactions. The title complex is characterized by Elemental analysis, IR, 1H -NMR spectroscopy and X-ray diffraction.



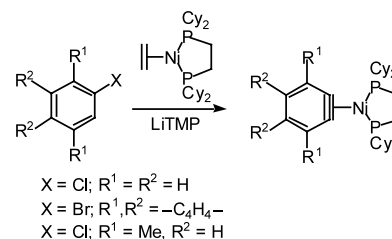
Regular Papers

Martin A. Bennett, Mike R. Kopp,
Eric Wenger, Anthony C. Willis

J. of Organomet. Chem. 667 (2003) 8

Generation of nickel(0)-aryne and nickel(II)-biphenyldiyl complexes via in situ dehydrohalogenation of arenes. Molecular structures of $[Ni(\eta^2-C_2H_4)(dcpe)]$ and C_2 -hexabenzotriphenylene

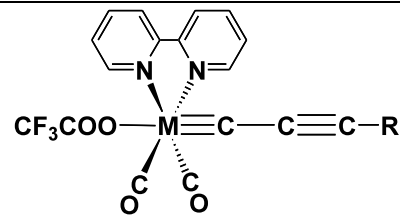
A series of η^2 -aryne complexes $[Ni(\eta^2\text{-aryne})(dcpe)]$ was generated *in situ* by arene dehydrohalogenations in the presence of $[Ni(\eta^2-C_2H_4)(dcpe)]$. These reactions proved difficult to control as further arene reactions of free aryne with the desired aryne complexes were observed, leading to biphenyldiyl complexes or polyaromatic systems.



Birgit Schwenzer, Helmut Fischer*J. of Organomet. Chem.* 667 (2003) 16

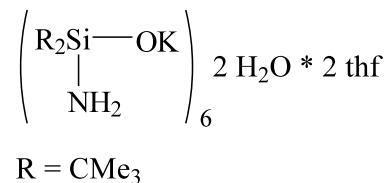
Alkynylcarbyne(bipyridine)dicarbonyl(trifluoroacetato) complexes—synthesis and detection of reversible association in solution

The alkynylcarbyne(bipyridine)(dicarbonyl)-trifluoroacetato complexes, $[\text{CF}_3\text{COO}(\text{L}-\text{L})(\text{CO})_2\text{M}\equiv\text{C}-\text{C}\equiv\text{C}-\text{R}]$ ($\text{M} = \text{W}, \text{Mo}$; $\text{L}-\text{L} = 2,2'$ -bipyridine, 4,4'-dimethyl 2,2'-bipyridine; $\text{R} = \text{SiMe}_3$; Ph; *p*-Tol, *t*-Bu) exhibit an unusual feature in solution: two sets of $\nu(\text{CO})$ absorptions (A_1/B_1 and $\text{A}_1^*/\text{B}_1^*$) are observed at high concentration instead of one. The ratio of the two sets is concentration-dependent.


**Clemens Reiche, Susanne Kliem,
Uwe Klingebiel, Mathias Noltemeyer,
Claudia Voit, Regine Herbst-Irmer,
Stefan Schmatz**
J. of Organomet. Chem. 667 (2003) 24

Aminosilanolates as precursors of four- and eight-membered (SiNSiO)-rings

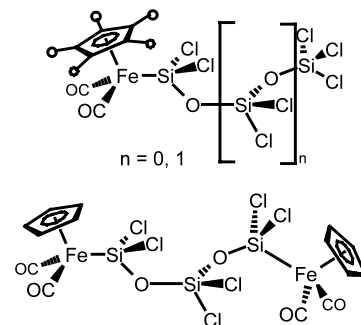
The only hitherto known aminosilanol crystallizes under formation of a dimeric ladder structure. Its sodium and potassium derivatives form hexagonal prisms (**2**, **3**). The potassium salt includes two H_2O and two THF molecules. The reactivity of **2** and **3** leads to the formation of so far unknown (SiOSiN)- and (SiOSiNLiF)-ring systems. Quantum chemical calculations on (SiOSiN)-rings confirm the experimental observations.


**Wolfgang Malisch, Heinrich Jehle,
Dirk Schumacher, Michael Binnewies,
Nicola Söger**
J. of Organomet. Chem. 667 (2003) 35

Polychlorinated metallo-siloxanes of iron, molybdenum and tungsten - structure of 1-[dicarbonyl(η^5 -cyclopentadienyl)ferrio]-1,1,3,3,3-pentachlorodisiloxane

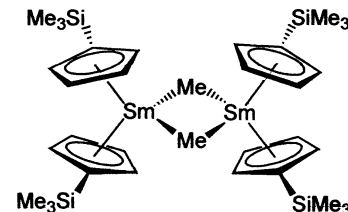
Reaction of the metalates $\text{Na}[\text{Fe}(\text{CO})_2\text{C}_5\text{R}_5]$ [$\text{R} = \text{H}$ (**1a**); Me (**1b**)] and $\text{Li}[\text{M}(\text{CO})_2(\text{P}-\text{Me}_3)\text{Cp}]$ [$\text{M} = \text{Mo}$ (**1c**); W (**1d**)] with the chlorosiloxanes $\text{Cl}_3\text{SiOSiCl}_3$ (**2a**) and

$\text{Cl}_3\text{SiOSiCl}_2\text{OSiCl}_3$ (**2b**) leads to the metallo-siloxanes $\text{L}_n\text{M}-\text{SiCl}_2\text{OSiCl}_3$ [$\text{L}_n\text{M} = \text{Cp}(\text{OC})_2\text{Fe}$ (**3a**), $\text{Cp}(\text{OC})_2(\text{Me}_3\text{P})\text{Mo}$ (**4a**), $\text{Cp}(\text{OC})_2(\text{Me}_3\text{P})\text{W}$ (**4b**)] and $\text{C}_5\text{R}_5(\text{OC})_2\text{Fe}-\text{SiCl}_2\text{OSiCl}_2\text{OSiCl}_3$ [$\text{R} = \text{H}$ (**3b**), Me (**3c**)], respectively. $\text{Cp}(\text{OC})_2\text{Fe}-\text{SiCl}_2\text{OSiCl}_2\text{OSiCl}_3$ (**3b**) has been converted to the bis-metallated polychlorinated siloxane $\text{Cp}(\text{OC})_2\text{Fe}-\text{SiCl}_2\text{OSiCl}_2\text{OSiCl}_2\text{Fe}(\text{CO})_2\text{Cp}$ (**8**) by reaction with a second equivalent of $\text{Na}[\text{Fe}(\text{CO})_2\text{Cp}]$ (**1a**). The structure of $\text{Cp}(\text{OC})_2\text{Fe}-\text{SiCl}_2\text{O}-\text{SiCl}_3$ (**3a**) was obtained by X-ray diffraction.


**Yoshinori Satoh, Noriko Ikitake,
Yuushou Nakayama, Shingo Okuno,
Hajime Yasuda**
J. of Organomet. Chem. 667 (2003) 42

Syntheses of bis- and tetra(trimethylsilyl) substituted lanthanocene methyl complexes and their catalyses for polymerizations of methyl methacrylate, ϵ -caprolactone and L-lactide

Bis- and tetra(trimethylsilyl) substituted lanthanocene methyl complexes, $[(\text{Me}_3\text{Si}-\text{SiC}_5\text{H}_4)_2\text{SmMe}]_2$ (**2**) $\{[1,3-(\text{Me}_3\text{Si})_2\text{C}_5\text{H}_3]_2-\text{SmMe}\}_2$ (**4**) and $\{[1,3-(\text{Me}_3\text{Si})_2\text{C}_5\text{H}_3]_2-\text{NdMe}\}_2$ (**5**) were prepared from trimethylsilyl- or bis(trimethylsilyl)-cyclopentadienyllithium with $\text{LnCl}_3(\text{THF})_2$ followed by the reaction with MeLi. Their catalyses for polymerization of methyl methacrylate and block copolymerization of L-lactide with ϵ -caprolactone were examined.



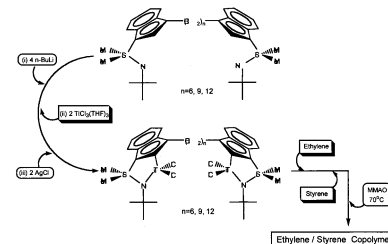
Seok Kyun Noh, Jungmin Lee, Dong-ho Lee

J. of Organomet. Chem. 667 (2003) 53

Syntheses of dinuclear titanium constrained geometry complexes with polymethylene bridges and their copolymerization properties

The polymethylene bridged dinuclear half-sandwich CGC (constrained geometry catalyst) [Ti(η^5 - η^1 -C₉H₅SiMe₂NCMe₃)₂][(CH₂)_n] (*n* = 6 (10), *n* = 9 (11), *n* = 12 (12)) have been prepared. ¹H- and ¹³C-NMR spectra of the synthesized complexes provide firm evidence for the anti-

dated dinuclear structure. The important feature associated with the chemical shift of Carbon-13 NMR is the downfield chemical shift of 63.0 ppm due to the *ipso*-carbon of the *t*-butyl group bonded at the coordinated nitrogen. Activity of the catalyst in ethylene/styrene copolymerization increases in the order of 10 < 11 < 12 which indicates the presence of a longer bridge between two active sites contributes to facilitate the polymerization activity of the dinuclear CGC. The melting points of the generated copolymers decrease as the styrene portion in feed increases. Styrene content in copolymers formed by the dinuclear catalysts is actually bigger than that in copolymer formed by the mononuclear CGC.



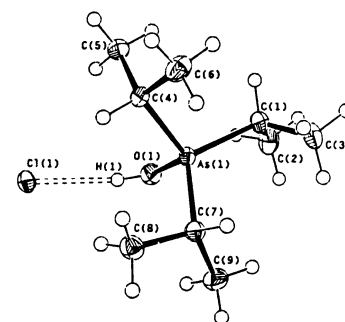
Anjali Gupta, Rajnish K. Sharma, Rakesh Bohra, Vimal K. Jain, John E. Drake, Michael B. Hursthouse, Mark E. Light

J. of Organomet. Chem. 667 (2003) 61

Triorganoarsenic(V) compounds with internally functionalized oximes: synthetic and spectroscopic aspects of [R₃As(Cl)L], [R₃As(OH)L] and [R₃AsL₂]: crystal and molecular structure of [Prⁱ₃AsOH]⁺Cl⁻

Triorganoarsenic(V) oximates of the type [R₃As{ON=C(Me)Ar}₂] (1) (R = Prⁱ, Buⁱ;

Ar = C₅H₄N-2, C₄H₃O-2) are formed by the reactions of R₃AsCl₂ with the sodium salts of internally functionalized oximes in 1:2 molar ratio in anhydrous benzene. The redistribution products [R₃As(X){ON=C(Me)Ar}] (2) (X = Cl, Br, OH) are obtained by treatment of 1 with equimolar R₃AsX₂. All of these complexes are characterized by IR and NMR (¹H and ¹³C) spectroscopy and elemental analyses. Controlled hydrolysis of a representative monochloro-complex [Prⁱ₃As(Cl){ON=C(Me)-C₄H₃O-2}] yields crystals of Prⁱ₃As(OH)Cl in which single crystal X-ray diffraction indicates that there is a distorted tetrahedral environment around arsenic.

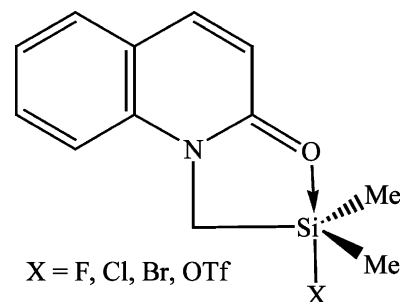


Alan R. Bassindale, David J. Parker, Peter G. Taylor, Norbert Auner, Bernhard Herschaft

J. of Organomet. Chem. 667 (2003) 66

Modelling S_N2 nucleophilic substitution at silicon by structural correlation with X-ray crystallography and NMR spectroscopy

Excellent agreement is obtained between structural correlations of four 1-(halodimethylsilylmethyl)-2-quinolinones using X-ray crystallography and NMR spectroscopy in solution to map substitution at silicon. Comparison of calculations from both techniques confirms the validity of the NMR method for structural correlation in solution.

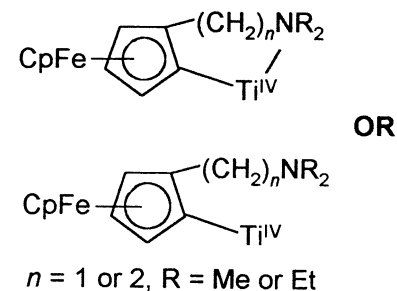


Peter B. Hitchcock, G. Jeffery Leigh, Maria Togrou

J. of Organomet. Chem. 667 (2003) 73

Synthesis of titanium(IV) ferrocenylaminate complexes

The ligand [CpFe{(1,2-C₅H₃)(CH₂)_nNR₂}]⁻ (*n* = 1 or 2, R = Me or Et) is monodentate when complexed to a Cp₂Ti^{IV} moiety, and also when two are complexed to a CpTi^{IV} group. Only when steric pressures are minimal does it act as a bidentate ligand.

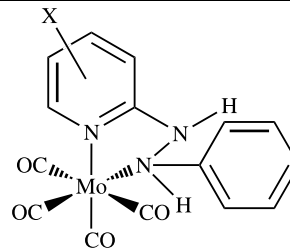


**Martin N. Ackermann, Keara B. Moore,
Amanda S. Colligan,
Jennifer A. Thomas-Wohlever,
Kirk J. Warren**

J. of Organomet. Chem. 667 (2003) 81

Tetracarbonylmolybdenum complexes of 2-(phenylhydrazino)pyridine ligands. Correlations of spectroscopic data with pyridyl substituent effects

A series of 2-(phenylhydrazino)pyridine complexes $cis\text{-Mo}(\text{CO})_4(\text{X}-2\text{-(phenylhydrazino)pyridine})$ have been synthesized and characterized. The complexes show a number of good correlations among the Hammett sigma parameter; the sum of the carbonyl-stretching frequencies, and $\delta(^{95}\text{Mo})$ and $\delta(^{13}\text{C})$ of the complexes. Comparisons are made to the analogous 2-(phenylazo)pyridine complexes.



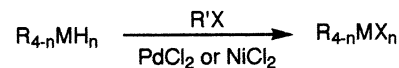
X = 4-CH₃O, 4-CH₃, H, 4-Cl, 5-Br, 6-CH₃, 4,6-(CH₃)₂

**Arihiro Iwata, Yutaka Toyoshima,
Tsuyoshi Hayashida, Takahiko Ochi,
Atsutaka Kunai, Joji Ohshita**

J. of Organomet. Chem. 667 (2003) 90

PdCl₂ and NiCl₂-catalyzed hydrogen-halogen exchange for the convenient preparation of bromo- and iodosilanes and germanes

Treatment of hydrosilanes with an excess of alkyl bromides in the presence of a PdCl₂ or NiCl₂ catalyst gave bromosilanes in good to high yield. Using propyl iodide as the iodine source, similar iodination of hydrosilanes occurred. Halogenation of hydrogermanes also proceeded by similar treatment with PdCl₂ as the catalyst.



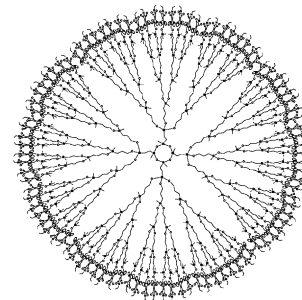
M = Si, Ge; n = 1-3

**Chungkyun Kim, Hyojeong Kim,
Kyungrae Park**

J. of Organomet. Chem. 667 (2003) 96

Diels-Alder reaction of anthracene and *N*-ethylmaleimide on the carbosilane dendrimer

Dendrimers with bicyclo-groups on the periphery were synthesized by the DA reaction between anthracene derivatives, which have 24, 48 and 96 end-groups, and *N*-ethylmaleimide.

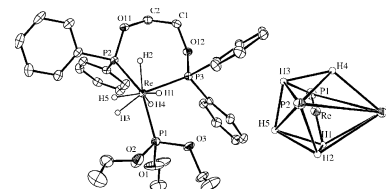


**Sandra Bolaño, Jorge Bravo,
Soledad García-Fontán, Jesús Castro**

J. of Organomet. Chem. 667 (2003) 103

Rhenium pentahydride complexes: characterisation and protonation reactions. Crystal structure of $\text{ReH}_5\text{L}^1\text{L}^2$ ($\text{L}^1 = \text{Ph}_2\text{PO}(\text{CH}_2)_2\text{-OPPPh}_2$; $\text{L}^2 = \text{P}(\text{OCH}_3)_3$, $\text{P}(\text{OCH}_2\text{CH}_3)_3$)

Variable temperature ¹H-NMR studies of the classical rhenium pentahydrides $[\text{ReH}_5\text{L}^1\text{L}^2]$ show three coalescence events in the hydride region. Compounds with $\text{L}^2 = \text{P}(\text{OR})_3$ show a dodecahedral co-ordination geometry. Protonation of pentahydrides yielded the non-classical cations $[\text{ReH}_4(\eta^2\text{-H}_2)\text{L}^1\text{L}^2]^+$. Their stability increase with the number of OR groups on L^2 .

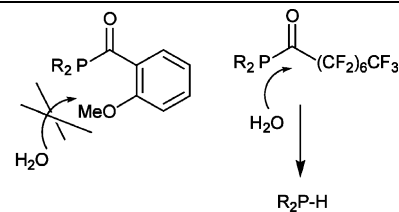


**R. Angharad Baber, Matthew L. Clarke,
A. Guy Orpen, David A. Ratcliffe**

J. of Organomet. Chem. 667 (2003) 112

Synthesis and transition metal chemistry of 'phosphomide' ligands: a comparison of the reactivity and electronic properties of diphenyl-*P*-perfluoro-octanoyl-phosphine, *P*-acetyl-diphenylphosphine and *P*-anisoyl-diphenylphosphine. X-ray crystal structure of [RhCp*(Ph₂PC(O)CH₃)Cl₂]

The spectroscopic and catalytic properties of rhodium complexes of novel 'phosphomide' ligands, R₂PC(O)R¹, are described. Our results suggest that the nature of the group adjacent to the C=O bond, R¹ has a significant effect on the donor properties and stability of the corresponding phosphomide. The new anisoyl substituted phosphines and their metal complexes are considerably more stable to hydrolysis than acetyldiphenylphosphine or diphenyl-*P*-perfluoro-octanoylphosphine.



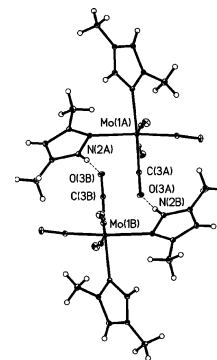
**Paloma Paredes, Marta Arroyo,
Daniel Miguel, Fernando Villafaña**

J. of Organomet. Chem. 667 (2003) 120

The first pyrazole molybdenum(0) complexes: *cis*-[Mo(CO)₄(Hdmpz)₂] crystallizes as a N-H...OC hydrogen-bonded dimer

The reactions of [Mo(CO)₄(NBD)] with two equivalents of Hpz (pyrazole) or Hdmpz (3,5-dimethylpyrazole) in hexane lead to the precipitation of *cis*-[Mo(CO)₄(Hpz)₂] or *cis*-[Mo(CO)₄(Hdmpz)₂], which are the first pyrazole complexes of molybdenum(0). In

the solid state structure of *cis*-[Mo(CO)₄(Hdmpz)₂], two molecules are self-assembled by intermolecular hydrogen bonds between the N-bound hydrogen of one Hdmpz ligand and a oxygen atom of a carbonyl group. This explains the lack of planarity observed for the nitrogen donor atom of the Hdmpz involved in the intermolecular interaction. The complexes are unstable in solution and as solids.

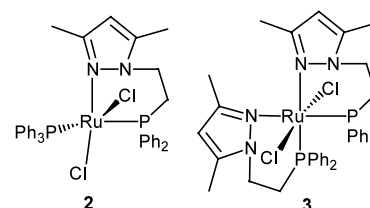


**Glòria Esquiús, Josefina Pons,
Ramón Yáñez, Josep Ros, René Mathieu,
Noël Lugan, Bruno Donnadiu**

J. of Organomet. Chem. 667 (2003) 126

Synthesis of Ru(II) complexes of the new 1-[(*P*-diphenyl)-2-phosphinoethyl]-3,5-dimethylpyrazole ligand and study of their reactivity toward terminal alkynes

One or two equivalents of the title ligand reacts with RuCl₂(PPh₃)₃ to give complexes 2 or 3 and the reactivity of these two complexes toward propargylic alcohols or phenyl acetylene has been studied leading to cationic allenylidene or vinylidene complexes in the case of 3.

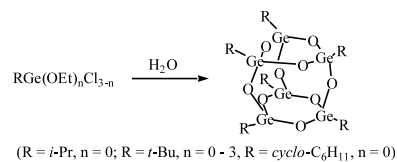


**Masato Nanjo, Takaomi Sasage,
Kunio Mochida**

J. of Organomet. Chem. 667 (2003) 135

Synthesis and characterization of alkylgermasesquioxanes

Alkyl(chloro)ethoxygermanes, RGe(OEt)_n-Cl_{3-n} (R = *i*-Pr, *n* = 0; R = *t*-Bu, *n* = 0–3; R = *cyclo*-C₆H₁₁, *n* = 0) were hydrolyzed with aqueous NaOH in xylene at 130–140 °C to give cage hexakis(alkylgermasesquioxanes), (RGe)₆O₉.

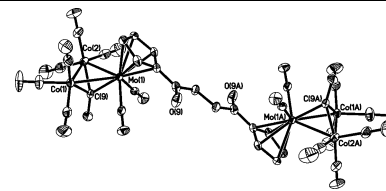


**Li-Cheng Song, Wen-Feng Zhu,
Qing-Mei Hu, Hao Wu, Guang-Au Yu**

J. of Organomet. Chem. 667 (2003) 143

Synthesis and characterization of organo-transition metal double μ_3 -RCCO₂M (M = Mo, W) cluster complexes containing bridged dicyclopentadienyl ligands. Crystal structure of $[\mu_3\text{-MeCCO}_2\text{Mo}(\text{CO})_8]_2[\eta^5\text{-C}_5\text{H}_4\text{C}(\text{O})\text{CH}_2]_2$

Three types of double cluster complexes containing bridged dicyclopentadienyl ligands $[\mu_3\text{-RCCO}_2\text{M}(\text{CO})_8]_2[\eta^5\text{-C}_5\text{H}_4\text{C}(\text{O})\text{CH}_2]_2$ (**3a-d**, M = Mo, W; R = Me, Ph), $[\mu_3\text{-RCCO}_2\text{M}(\text{CO})_8]_2[\eta^5\text{-C}_5\text{H}_4\text{CH}_2(\text{CH}_2\text{O}-\text{CH}_2)_3\text{CH}_2\text{C}_5\text{H}_4-\eta^5]$ (**5a-d**, M = Mo, W; R = Me, Ph) and $[\mu_3\text{-MeCCO}_2\text{M}(\text{CO})_8]_2[\eta^5\text{-C}_5\text{H}_4\text{CH}(\text{OH})\text{CH}_2]_2$ (**6a, b**, M = Mo, W) have been synthesized. The crystal structure of **3a** (M = Mo, R = Me) is reported.

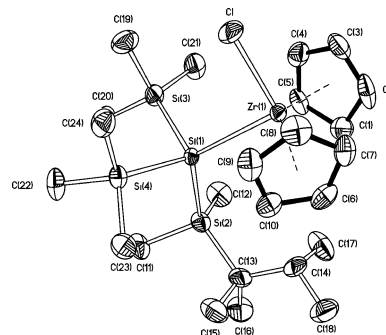


**Christian Kayser, Dieter Frank,
Judith Baumgartner, Christoph Marschner**

J. of Organomet. Chem. 667 (2003) 149

Reactions of oligosilyl potassium compounds with Group 4 metallocene dichlorides

By the reaction of silyl anions with Group 4 metallocene dichlorides, a number of new Group 4 oligosilyl compounds have been synthesized. The silyl residues employed include the popular tris(trimethylsilyl)silyl group and sterically more encumbered derivatives. For the cases of the tris(trimethylsilyl)silyl group both the mono and the disilylated products were obtained.



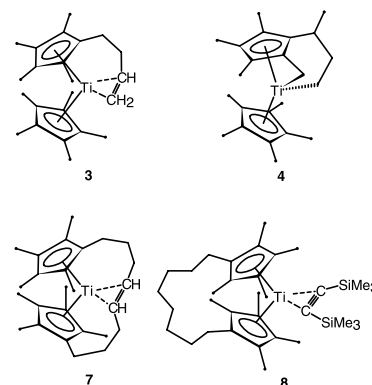
**Michal Horáček, Petr Štěpnička,
Jiří Kubišta, Ivana Císařová,
Lidmila Petrusová, Karel Mach**

J. of Organomet. Chem. 667 (2003) 154

Reduction-induced double bond coordination and multiple C-H activation in fully-substituted titanocenes bearing a pendant double bond or an eight-membered hydrocarbyl *ansa*-chain

Reduction of $[\text{TiCl}_2(\eta^5\text{-C}_5\text{Me}_4\text{R})(\eta^5\text{-C}_5\text{Me}_5)]$ (R = CH₂CH₂CH=CH₂ (**1**); R = CH(Me)CH=CH₂ (**2**)) with Mg in THF in the presence of

Me₃SiC≡CSiMe₃ affords different products depending on the length of the alkenyl chain: $[\text{Ti}(\eta^5\text{-C}_5\text{Me}_5)(\eta^2\text{-}\eta^5\text{-C}_5\text{Me}_4(\text{CH}_2\text{CH}_2\text{CH}=\text{CH}_2))]_2$ (**3**) from **1** and $[\text{Ti}\{\eta^1\text{-}\eta^1\text{-}\eta^5\text{-C}_5\text{Me}_3(\text{CH}_2)(\text{CH}(\text{Me})\text{CH}_2\text{CH}_2)\}(\eta^5\text{-C}_5\text{Me}_5)]_2$ (**4**) from **2**. Under similar conditions but without Me₃SiC≡CSiMe₃, the saturated eight-membered chain in *ansa*- $[\text{TiCl}_2\{\eta^5\text{-}\eta^5\text{-C}_5\text{Me}_4(\text{CH}_2)_8\text{C}_5\text{Me}_4\}]$ (**6**) undergoes a hydrogen abstraction to give *ansa*- $[\text{Ti}\{\eta^2\text{-}\eta^5\text{-}\eta^5\text{-C}_5\text{Me}_4(\text{CH}_2)_3\text{CH}=\text{CH}(\text{CH}_2)_3\text{C}_5\text{Me}_4\}]$ (**7**), which also results from the reduction of *ansa*- $[\text{TiCl}_2\{\eta^5\text{-}\eta^5\text{-C}_5\text{Me}_4\text{CH}_2\text{CH}=\text{CH}(\text{CH}_2)_3\text{C}_5\text{Me}_4\}]$ (**5**). The thermolysis of *ansa*- $[\text{Ti}\{\eta^5\text{-}\eta^5\text{-C}_5\text{Me}_4(\text{CH}_2)_8\text{-C}_5\text{Me}_4\}(\eta^2\text{-Me}_3\text{SiC}\equiv\text{CSiMe}_3)]$ (**8**) gives a mixture of *asym* and *sym* isomers of doubly tucked-in *ansa*- $[\text{Ti}\{\eta^3\text{-}\eta^4\text{-C}_5\text{Me}_2(\text{CH}_2)_2\}(\text{CH}_2)_8(\eta^5\text{-C}_5\text{Me}_4)]_2$ (**9**).

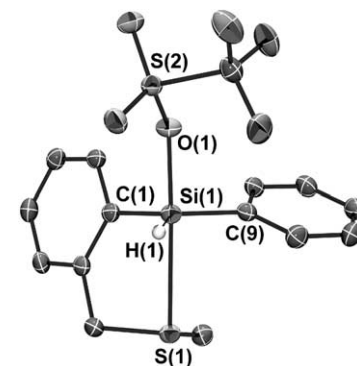


**U.H. Berlekamp, A. Mix, B. Neumann,
H.-G. Stammer, P. Jutzi**

J. of Organomet. Chem. 667 (2003) 167

2-(Dimethylphosphinomethyl)- and 2-(methylthiomethyl)phenyl silicon compounds: higher coordination with soft donors

The synthesis of silanes and of silyl triflates bearing additional aryl substituents with thiomethyl or dimethylphosphino groups in the side chain is described. The coordination behavior of the donor in these compounds has been investigated by NMR methods and by X-ray crystallography.

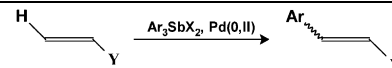


**Dmitry V. Moiseev, Aleksey V. Gushchin,
Andrey S. Shavirin, Yury A. Kursky,
Viktor A. Dodonov**

J. of Organomet. Chem. 667 (2003) 176

Pd-catalyzed C-arylation of unsaturated compounds with pentavalent triarylantimony dicarboxylates

$\text{Ar}_3\text{Sb}(\text{O}_2\text{CR})_2$ are effective and mild C-arylation reagents for the Pd-catalyzed C-arylation reaction of the unsaturated compounds under Pd catalysis. The reaction takes place at 50 °C and affords the arylated product in up to 200% yields based on $\text{Ar}_3\text{Sb}(\text{O}_2\text{CR})_2$.

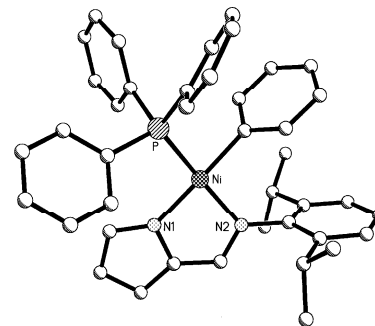


Yue-Sheng Li, Yan-Rong Li, Xiao-Fang Li

J. of Organomet. Chem. 667 (2003) 185

New neutral nickel(II) complexes bearing pyrrole-imine chelate ligands: synthesis, structure and norbornene polymerization behavior

New neutral nickel(II) complexes bearing nonsymmetric bidentate pyrrole-imine chelate ligands (**4a–d**), $[2-(\text{ArNCH})\text{C}_4\text{H}_3\text{N}]\text{-Ni}(\text{PPh}_3)\text{Ph}$ [**Ar**=2,6-diisopropylphenyl (**a**), 2-methyl-6-isopropylphenyl (**b**), 2,6-diethylphenyl (**c**), 2-*tert*-butylphenyl (**d**)], have been synthesized and used as catalysts for the vinylic polymerization of norbornene.

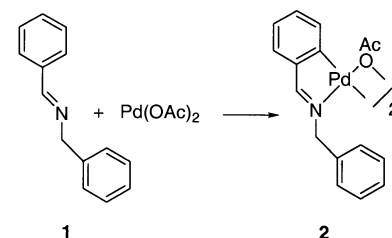


Joan Albert, Jaume Granell, Raquel Tavera

J. of Organomet. Chem. 667 (2003) 192

On the mechanism of the cyclopalladation reaction of benzyl-benzylidene-amine with palladium(II) acetate in acetic acid

A set of reactions that produces **2** when **1** and palladium(II) acetate react in acetic acid is reported.

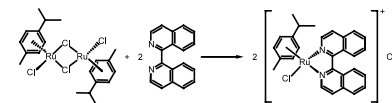


**Piero Frediani, Carlo Giannelli,
Antonella Salvini, Sandra Ianeli**

J. of Organomet. Chem. 667 (2003) 197

Ruthenium complexes with 1,1'-biisoquinoline as ligands. Synthesis and hydrogenation activity

The following complexes containing the 1,1'-biisoquinoline (biisoq) ligand $[\text{Ru}(\text{biisoq})_3](\text{PF}_6)_2$, $[\text{Ru}_2(\text{biisoq})_2(\text{Cl})_4 \cdot \text{NEt}_3]$, $[\text{Ru}_2(\text{biisoq})_2(\text{CO})_4(\text{CH}_3\text{COO})](\text{CH}_3\text{COO})$ and $[\text{Ru}(\eta^6\text{-}p\text{-cymene})(\text{Cl})(\text{biisoq})]\text{X}$ [**X**: Cl, BPh_4] were synthesized and characterized. The X-ray structure of $[\text{Ru}(\eta^6\text{-}p\text{-cymene})(\text{Cl})(\text{biisoq})][\text{BPh}_4]$ was determined. Some of these complexes were catalytically active in the homogeneous hydrogenations of alkenes, alkynes and acetone in hydroalcoholic solvents.



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