



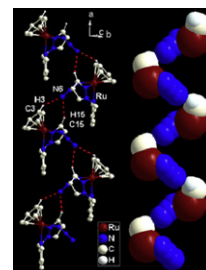
Contents

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**Haritosh Mishra,
Rabindranath Mukherjee**

J. Organomet. Chem. 695 (2010) 1753

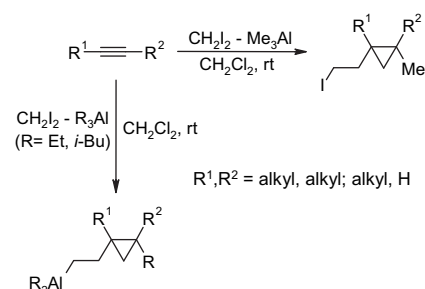
Systematic comparative studies (X-ray and ^1H NMR) have been made on “piano-stool” complexes of Ru^{II} with non-planar pyrazolylmethylpyridine ligands. Analysis of crystal-packing diagrams reveals predominance of helix formation.



**Ilfir R. Ramazanov, Leisan
K. Dil'mukhametova, Usein
M. Dzhemilev, Oleg M. Nefedov**

J. Organomet. Chem. 695 (2010) 1761

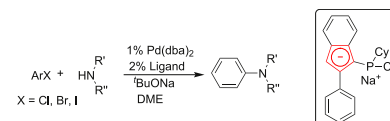
Reaction of alkynes with CH_2I_2 in the presence of Me_3Al gives β -iodoethyl-substituted cyclopropanes. The use of Et_3Al or $i\text{-Bu}_3\text{Al}$ affords exclusively cyclopropyl organoaluminum compounds.



**Lei Chen, Guang-Ao Yu, Fang Li,
Xiaolei Zhu, Bei Zhang, Rui Guo,
Xiaozhi Li, Qihua Yang, Shan Jin,
Chenchen Liu, Sheng-Hua Liu**

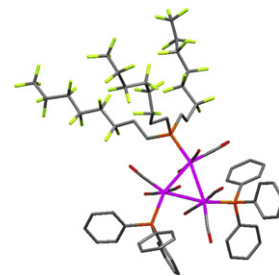
J. Organomet. Chem. 695 (2010) 1768

Preparation of anionic phosphine ligands in situ for the palladium-catalyzed Buchwald-Hartwig amination reactions of aryl halides.



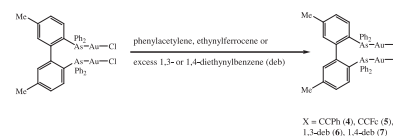
Thomas J. Malosh, John R. Shapley
J. Organomet. Chem. 695 (2010) 1776

Preparation and properties of six trimeric osmium complexes that are ligated by fluororous soluble tertiary phosphines. A dihydro-triosmium-fluororous phosphine cluster exhibits ROMP catalytic activity. The polymerization of norbornene, by this cluster, in a variety of solvent systems is disclosed.



Suresh K. Bhargava, Kunihiro Kitadai, Nedaossadat Mirzadeh, Steven H. Privér, Masashi Takahashi, Jörg Wagler
J. Organomet. Chem. 695 (2010) 1787

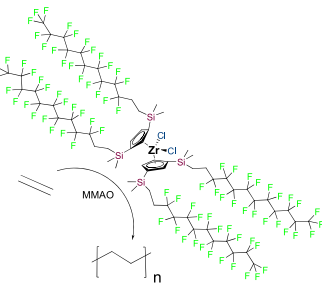
Gold(I) bis(alkynyl) complexes of the type $[Au_2X_2\{\mu-2,2'-Ph_2As(5,5'-Me_2C_6H_3C_6H_3)AsPh_2\}]$ [$X = C\equiv CPh$ (4), $C\equiv CFc$ (5), 1,3-deb (6), 1,4-deb (7)] have been prepared and fully characterized.



Juan Cámpora, Inmaculada Matas, Pilar Palma, Eleuterio Álvarez, Henk Kleijn, Berth-Jan Deelman, Elisa Passaglia
J. Organomet. Chem. 695 (2010) 1794

New highly fluororous zirconocene(IV) complexes have been synthesized and tested in ethylene polymerization in combination with MMAO. As compared with analogous nonfluororous systems, the

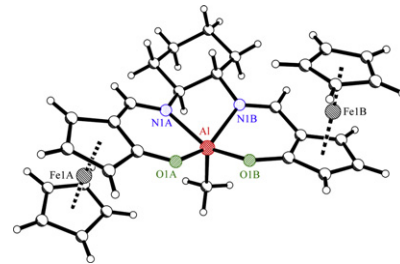
resulting fluororous catalysts display longer lifetimes, whereas the properties of the polyethylenes obtained with both type of catalysts are essentially the same.



Jochen Niemeyer, Jeannine Cloppenborg, Roland Fröhlich, Gerald Kehr, Gerhard Erker
J. Organomet. Chem. 695 (2010) 1801

A family of tetradentate, salen-like, O_2N_2 -type ligands, commonly featuring a planar-chiral hydroxyferrocene motif, was synthesized. These unique ligands were used for the construction of a series of Ti-

and Al-metal complexes, which were applied for the asymmetric silylcyanation of benzaldehyde.

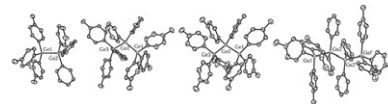


**Monika L. Amadoruge, Erin K. Short,
Curtis Moore, Arnold L. Rheingold,
Charles S. Weinert**

J. Organomet. Chem. 695 (2010) 1813

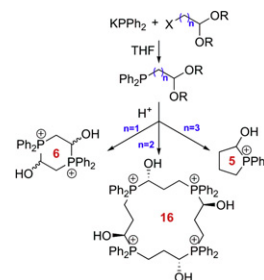
The synthesis and crystal structures of four tolyl-substituted oligogermanes $\text{Ph}_3\text{GeGe-Tol}_3$, $\text{Tol}_3\text{GeGePh}_2\text{GeTol}_3$, $\text{Tol}_3\text{GeGeTol}_2\text{Ge-Tol}_3$, and $\text{Tol}_3\text{GeGePh}_2\text{GePh}_2\text{GeTol}_3$

(Tol = $p\text{-CH}_3\text{C}_6\text{H}_4$) are described. The physical properties of these four oligogermanes were investigated using UV/visible spectroscopy and cyclic voltammetry, and a total of $n - 1$ irreversible oxidation events were observed for the $\text{Ge}_n\text{Ar}_{2n+2}$ species.



**Alexandre A. Mikhailine, Paraskevi
O. Lagaditis, Peter E. Sues, Alan J. Lough,
Robert H. Morris**

J. Organomet. Chem. 695 (2010) 1824

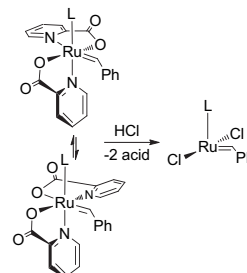


**Joseph S.M. Samec, Benjamin K. Keitz,
Robert H. Grubbs**

J. Organomet. Chem. 695 (2010) 1831

Completely latent 18-electron Ru benzylidene pre-catalysts have been prepared and appear as mixtures of two isomers. Upon addition of acid these pre-catalysts convert into their highly metathesis active 14-electron benzylidene complexes. The latent forms of catalyst can be fully mixed with

monomer before initiation, which is demonstrated in the ring-opening metathesis polymerization DCPD.



NOTE

**Mark R.J. Elsegood, Andrew J. Lake,
Roger J. Mortimer, Martin B. Smith,
George W. Weaver**

J. Organomet. Chem. 695 (2010) 1838

The new ferrocenyl functionalised ditertiary phosphine **3** and two complexes of Au^{I} and Ru^{II} were prepared and studied by multinuclear NMR spectroscopy, single crystal X-ray diffraction and cyclic voltammetry. The single crystal X-ray structure of **5**

represents an unusual example of a pentametallic Ru_2Fe_3 complex.

