

Journal of Organometallic Chemistry 652 (2002) 115-116



www.elsevier.com/locate/jorganchem

Subject Index of Volume 652

Actinide

Recent advances in f element reduction chemistry, 61 Alkenvl

Regioselective penta-addition of 1-alkenyl copper reagent to [60]fullerene. Synthesis of penta-alkenyl FCp ligand, 31

Alkynes

A simple route to (tetraethynylcyclobutadiene)cyclopentadienylcobalt, 21

Alkynyl ligands

Directing role of anions in the syntheses of the silver-alkynyl cages $[Ag_{14}(C=C'Bu)_{12}X][BF_4]$ (X = F, Cl, Br) and silver-alkynyl polymers $[Ag_3(C=C'Bu)_2(X)]_n$ (X = Tos, NO₃), 87

Amine derivatives

Photochemical intermediates of *trans*-Rh(CO)L₂Cl where L = PMe₃, PBu₃, and *i*-Pr₂HN and *cis*-Rh(CO)₂(*i*-Pr₂HN)Cl in frozen organic glasses, 95

Anions

Directing role of anions in the syntheses of the silver–alkynyl cages $[Ag_{14}(C \equiv C' Bu)_{12}X][BF_4]$ (X = F, Cl, Br) and silver–alkynyl polymers $[Ag_3(C \equiv C' Bu)_2(X)]_n$ (X = Tos, NO₃), 87

Aryloxy

The syntheses and structures of coordinatively unsaturated aryloxyhydride complexes of molybdenum, Mo(PMe₃)₄(OAr)H: reversible C–H bond activation and comparison with their tungsten analogues, 37

Boron

A new approach to photophysical properties control of main group element π -electron compounds based on the coordination number change, 3

Rhodium(I) catalysed diboration of (*E*)-styrylboronate esters: molecular structures of (*E*)-*p*-MeO-C₆H₄-CH=CH-B(1,2-O₂C₆H₄) and *p*-MeO-C₆H₄-CH₂C{B(1,2-O₂C₆H₄)}₃, 77

Cage compounds

Directing role of anions in the syntheses of the silver–alkynyl cages $[Ag_{14}(C \equiv C'Bu)_{12}X][BF_4]$ (X = F, Cl, Br) and silver–alkynyl polymers $[Ag_3(C \equiv C'Bu)_2(X)]_n$ (X = Tos, NO₃), 87

Carbon-hydrogen bond cleavage

The syntheses and structures of coordinatively unsaturated aryloxyhydride complexes of molybdenum, Mo(PMe₃)₄(OAr)H: reversible C–H bond activation and comparison with their tungsten analogues, 37

Catalysis

The catalytic synthesis of thiacrowns from thiiranes by Group VI and VII transition metal carbonyl complexes, 51

Chromium carbonyl

The catalytic synthesis of thiacrowns from thiiranes by Group VI and VII transition metal carbonyl complexes, 51

Coordination number

A new approach to photophysical properties control of main group element π -electron compounds based on the coordination number change, 3

Coordination	polymers
--------------	----------

Applications of boron-nitrogen and boron-phosphorus adducts in organometallic chemistry, 11

Cp ligand

- Regioselective penta-addition of 1-alkenyl copper reagent to [60]fullerene. Synthesis of penta-alkenyl FCp ligand, 31
- Cyclobutadiene complexes A simple route to (tetraethynylcyclobutadiene)cyclopentadienylcobalt, 21

Cyclopentadiene

Regioselective penta-addition of 1-alkenyl copper reagent to [60]fullerene. Synthesis of penta-alkenyl FCp ligand, 31

DFT analysis

Photochemical intermediates of trans-Rh(CO)L₂Cl where L = PMe₃, PBu₃, and *i*-Pr₂HN and *cis*-Rh(CO)₂(*i*-Pr₂HN)Cl in frozen organic glasses, 95

Diborane (4)

Rhodium(I) catalysed diboration of (*E*)-styrylboronate esters: molecular structures of (*E*)-*p*-MeO-C₆H₄-CH=CH-B(1,2-O₂C₆H₄) and *p*-MeO-C₆H₄-CH₂C{B(1,2-O₂C₆H₄)}₃, 77

Diboration

Rhodium(I) catalysed diboration of (*E*)-styrylboronate esters: molecular structures of (*E*)-*p*-MeO-C₆H₄-CH=CH-B(1,2-O₂C₆H₄) and *p*-MeO-C₆H₄-CH₂C{B(1,2-O₂C₆H₄)}₃, 77

Ferrocene

Applications of boron-nitrogen and boron-phosphorus adducts in organometallic chemistry, 11

Fluorescence spectra

A new approach to photophysical properties control of main group element π -electron compounds based on the coordination number change, 3

Fullerene

Regioselective penta-addition of 1-alkenyl copper reagent to [60]fullerene. Synthesis of penta-alkenyl FCp ligand, 31

Hydride

The syntheses and structures of coordinatively unsaturated aryloxyhydride complexes of molybdenum, Mo(PMe₃)₄(OAr)H: reversible C–H bond activation and comparison with their tungsten analogues, 37

Hydrogen transfer

Transition metal hydrides as active intermediates in hydrogen transfer reactions, 105

Lanthanide

Recent advances in f element reduction chemistry, 61

Lewis acid-base adducts

Applications of boron-nitrogen and boron-phosphorus adducts in organometallic chemistry, 11

Macrocyclic compounds

Applications of boron-nitrogen and boron-phosphorus adducts in

organometallic chemistry, 11

Manganese carbonyl

- The catalytic synthesis of thiacrowns from thiiranes by Group VI and VII transition metal carbonyl complexes, 51 Metal catalysis
- Transition metal hydrides as active intermediates in hydrogen transfer reactions, 105

Metal hydrides

Transition metal hydrides as active intermediates in hydrogen transfer reactions, 105

Metallophilic interactions

Directing role of anions in the syntheses of the silver–alkynyl cages $[Ag_{14}(C \equiv C' Bu)_{12}X][BF_4]$ (X = F, Cl, Br) and silver–alkynyl polymers $[Ag_3(C \equiv C' Bu)_2(X)]_n$ (X = Tos, NO₃), 87

Molybdenum

- The syntheses and structures of coordinatively unsaturated aryloxyhydride complexes of molybdenum, Mo(PMe₃)₄(OAr)H: reversible C–H bond activation and comparison with their tungsten analogues, 37
- Molybdenum carbonyl
 - The catalytic synthesis of thiacrowns from thiiranes by Group VI and VII transition metal carbonyl complexes, 51

Multiple addition

Ohira-alkynylation

Organocopper reagent

Organometallic

Recent advances in f element reduction chemistry, 61

Organometallic polymers

Directing role of anions in the syntheses of the silver-alkynyl cages $[Ag_{14}(C=C'Bu)_{12}X][BF_4]$ (X = F, Cl, Br) and silver-alkynyl polymers $[Ag_3(C=C'Bu)_2(X)]_n$ (X = Tos, NO₃), 87

Phosphorus

A new approach to photophysical properties control of main group element π -electron compounds based on the coordination number change, 3

Photolysis

Photochemical intermediates of trans-Rh(CO)L₂Cl where L = PMe₃, PBu₃, and *i*-Pr₂HN and *cis*-Rh(CO)₂(*i*-Pr₂HN)Cl in frozen organic glasses, 95

Physicochemical and electrochemical properties

- Synthesis, physicochemical and electrochemical properties of metal-metal bonded ruthenium corrole homodimers, 69
- Reduction

Recent advances in f element reduction chemistry, 61 Rhodium

Rhodium(I) catalysed diboration of (*E*)-styrylboronate esters: molecular structures of (*E*)-*p*-MeO-C₆H₄-CH=CH-B(1,2-O₂C₆H₄) and *p*-MeO-C₆H₄-CH₂C{B(1,2-O₂C₆H₄)}₃, 77 Ruthenium corrole homodimers

Synthesis, physicochemical and electrochemical properties of metal-metal bonded ruthenium corrole homodimers, 69

Silicon

A new approach to photophysical properties control of main group element π -electron compounds based on the coordination number change, 3

Silver

Directing role of anions in the syntheses of the silver-alkynyl cages $[Ag_{14}(C \equiv C'Bu)_{12}X][BF_4]$ (X = F, Cl, Br) and silver-alkynyl polymers $[Ag_3(C \equiv C'Bu)_2(X)]_n$ (X = Tos, NO₃), 87 Steric crowding

Recent advances in f element reduction chemistry, 61

Template synthesis

Directing role of anions in the syntheses of the silver–alkynyl cages $[Ag_{14}(C \equiv C'Bu)_{12}X][BF_4]$ (X = F, Cl, Br) and silver–alkynyl polymers $[Ag_3(C \equiv C'Bu)_2(X)]_n$ (X = Tos, NO₃), 87

Thiacrown, thiirane

The catalytic synthesis of thiacrowns from thiiranes by Group VI and VII transition metal carbonyl complexes, 51

Transfer hydrogenation

Transition metal hydrides as active intermediates in hydrogen transfer reactions, 105

Trimethylphosphine

- The syntheses and structures of coordinatively unsaturated aryloxyhydride complexes of molybdenum, Mo(PMe₃)₄(OAr)H: reversible C–H bond activation and comparison with their tungsten analogues, 37
- tris(Boronate) ester
 - Rhodium(I) catalysed diboration of (*E*)-styrylboronate esters: molecular structures of (*E*)-*p*-MeO-C₆H₄-CH=CH-B(1,2-O₂C₆H₄) and *p*-MeO-C₆H₄-CH₂C{B(1,2-O₂C₆H₄)}₃, 77

tris(1-Pyrazolyl)borate ligands

Applications of boron-nitrogen and boron-phosphorus adducts in organometallic chemistry, 11

Tungsten

The syntheses and structures of coordinatively unsaturated aryloxyhydride complexes of molybdenum, Mo(PMe₃)₄(OAr)H: reversible C–H bond activation and comparison with their tungsten analogues, 37

Tungsten carbonyl

The catalytic synthesis of thiacrowns from thiiranes by Group VI and VII transition metal carbonyl complexes, 51

UV-vis absorption spectra

A new approach to photophysical properties control of main group element π -electron compounds based on the coordination number change, 3

UV-vis spectroelectrochemical data

Synthesis, physicochemical and electrochemical properties of metal-metal bonded ruthenium corrole homodimers, 69

Vinylboronate ester

Rhodium(I) catalysed diboration of (*E*)-styrylboronate esters: molecular structures of (*E*)-*p*-MeO-C₆H₄-CH=CH-B(1,2-O₂C₆H₄) and *p*-MeO-C₆H₄-CH₂C{ $B(1,2-O_2C_6H_4)$ }, 77

Regioselective penta-addition of 1-alkenyl copper reagent to [60]fullerene. Synthesis of penta-alkenyl FCp ligand, 31

A simple route to (tetraethynylcyclobutadiene)cyclopentadienylcobalt, 21

Regioselective penta-addition of 1-alkenyl copper reagent to [60]fullerene. Synthesis of penta-alkenyl FCp ligand, 31