

Subject Index of Volume 636

- Acetylacetonate
Degradation of a methacrylate-substituted oxozirconium cluster by acetylacetonate, 172
- Acetylenes
Acetylene cyclopropanation by $\text{CH}_2\text{I}_2\text{-Et}_3\text{Al}$ reagent, 91
'One-pot' synthesis of 1,1-disubstituted cyclopropanes in the presence of metal complex catalysts, 76
- Adduct tetrahydrofuran
New synthesis of a stable dialkylstannylenes and its reversible complexation with tetrahydrofuran, 144
- Alkenylindenes
Synthesis, characterization, and catalytic properties of bis[alkenylindenyl]-, bis[alkenylindenyl]- and [alkenylindenyl(cyclopentadienyl)]zirconium dichloride complexes, 31
- Alkylindenes
Synthesis, characterization, and catalytic properties of bis[alkylindenyl]-, bis[alkylindenyl]- and [alkylindenyl(cyclopentadienyl)]zirconium dichloride complexes, 31
- Aluminacyclopentanes
'One-pot' synthesis of 1,1-disubstituted cyclopropanes in the presence of metal complex catalysts, 76
- Aluminacyclopentenes
'One-pot' synthesis of 1,1-disubstituted cyclopropanes in the presence of metal complex catalysts, 76
- 3-Borabicyclo[3.3.1]nonanes
Conformational behavior of 3-borabicyclo[3.3.1]nonanes. Intramolecular $p\text{-}\sigma$ and $p\text{-}\pi$ interactions in 3,7-*endo*-disubstituted 3-borabicyclo[3.3.1]nonanes, 3
- Carbenoid
Are disilacyclopropylidenes and their carbenoids good precursors for the unknown 1,3-disilaallenes?, 148
- Carbocations
Oxidative esterification of alkenes via π - and σ -organopalladium complexes: new pathways for the reaction, 69
- Carboxylate
Degradation of a methacrylate-substituted oxozirconium cluster by acetylacetonate, 172
- Catalysis
'One-pot' synthesis of 1,1-disubstituted cyclopropanes in the presence of metal complex catalysts, 76
- Cation transport
Synthesis of azacrown ethers modified with side-chains containing germanium, 108
- $\text{C}\equiv\text{C}$ bond activation
Stable Pt(IV) vinylic complexes with unusual regioselectivity formed in the reaction of methylpropiolate triple bond activation, 175
- C–C coupling
Stable Pt(IV) vinylic complexes with unusual regioselectivity formed in the reaction of methylpropiolate triple bond activation, 175
- CIDNP
Spin chemistry of organometallic compounds: Part 1. Interaction of *N*-bromohexamethyldisilazane with allyltriethylstannane, 12
- β -Cleavage
Spin chemistry of organometallic compounds: Part 1. Interaction of *N*-bromohexamethyldisilazane with allyltriethylstannane, 12
- π -Complex
Oxidative esterification of alkenes via π - and σ -organopalladium complexes: new pathways for the reaction, 69
- σ -Complex
Oxidative esterification of alkenes via π - and σ -organopalladium complexes: new pathways for the reaction, 69
- Complexation
New synthesis of a stable dialkylstannylenes and its reversible complexation with tetrahydrofuran, 144
- Conformation analysis
Conformational behavior of 3-borabicyclo[3.3.1]nonanes. Intramolecular $p\text{-}\sigma$ and $p\text{-}\pi$ interactions in 3,7-*endo*-disubstituted 3-borabicyclo[3.3.1]nonanes, 3
- Conjugation
Reaction of disilagermirenes with phenylacetylene: from a germsilene -Ge-Si- to a metalladiene of the type -Si-Ge-C=C- , 41
- Coordination complexes
Electronic and steric properties of stable silylene ligands in metal(0) carbonyl complexes, 17
- Copolymerization
Synthesis, characterization, and catalytic properties of bis[alkylindenyl]-, bis[alkenylindenyl]- and [alkenylindenyl(cyclopentadienyl)]zirconium dichloride complexes, 31
- Crystal structure
Electronic and steric properties of stable silylene ligands in metal(0) carbonyl complexes, 17
Synthesis and characterization of 2,4,6-tris((dimethylamino)-methyl)phenoxy silicon compounds, 96
- Cycloaddition
Reaction of disilagermirenes with phenylacetylene: from a germsilene -Ge-Si- to a metalladiene of the type -Si-Ge-C=C- , 41
- Cyclopropanation
Acetylene cyclopropanation by $\text{CH}_2\text{I}_2\text{-Et}_3\text{Al}$ reagent, 91
- Cyclopropanes
Acetylene cyclopropanation by $\text{CH}_2\text{I}_2\text{-Et}_3\text{Al}$ reagent, 91
- Cytotoxicity
Synthesis, structure and cytotoxicity of trimethylsilyl oligothiényl-carbaldehydes and their derivatives, 26
- Dehydration of crystalline hydrates of lanthanide trichlorides
Dehydration of $\text{LnCl}_3\cdot 6\text{H}_2\text{O}$ ($\text{Ln} = \text{Tb, Nd, Dy}$) in the reaction with *i*-Bu₃Al, Et₃Al, Et₂AlCl, EtAlCl₂ and formation of the complexes $\text{LnCl}_3\cdot 3(\text{BuO})_3\text{PO}$, 56

Dialkylstannylene

New synthesis of a stable dialkylstannylene and its reversible complexation with tetrahydrofuran, 144

Diazacrown ether

Synthesis of azacrown ethers modified with side-chains containing germanium, 108

Digermacyclobutane

The photochemical reaction of 1,2-digermacyclobutane with C₆₀: possible example of a closed [6,5]-bridged fullerene derivative of germacyclop propane, 82

Digermadioxetane

The addition of oxygen to tetramesityldigermene, 130

Digermene

The addition of oxygen to tetramesityldigermene, 130

Dimeric tin sulfides

Hypercoordinated organotin compounds containing sulfur and chlorine. Molecular structures of [(Ph₃P)₂N]⁺[S(SnR₂Cl)₂Cl]⁻ (R = Me, *t*-Bu), 138

Dioxygen reactions

The addition of oxygen to tetramesityldigermene, 130

Disilaallene

Are disilacyclop propylidenes and their carbenoids good precursors for the unknown 1,3-disilaallenes?, 148

Diyne

Silylene reactions with 1,7-octadiene-3,5-diyne: evidence for the intermediate formation of a bis(silaethene), 7

2D-NMR

Stable Pt(IV) vinylic complexes with unusual regioselectivity formed in the reaction of methylpropiolate triple bond activation, 175

DSC

UV and Raman study of thermochromic phase transition in poly(*di-n*-hexylgermane), 164

EPR spectra

Synthesis, properties and structures of the tris(cyclopentadienyl)thorium(III) complexes [Th{η⁵-C₅H₃(SiMe₂R)₂-1,3₃}₃] (R = Me or *t*-Bu), 124

Esterification

Synthesis of azacrown ethers modified with side-chains containing germanium, 108

Ethene polymerization

Synthesis, characterization, and catalytic properties of bis[alkylindenyl]-, bis[alkenylindenyl]- and [alkenylindenyl(cyclopentadienyl)]zirconium dichloride complexes, 31

Free radicals

Spin chemistry of organometallic compounds: Part 1. Interaction of *N*-bromohexamethylsilazane with allyltriethylstannane, 12

Fullerene

The photochemical reaction of 1,2-digermacyclobutane with C₆₀: possible example of a closed [6,5]-bridged fullerene derivative of germacyclop propane, 82

Germanium

The addition of oxygen to tetramesityldigermene, 130

The photochemical reaction of 1,2-digermacyclobutane with C₆₀: possible example of a closed [6,5]-bridged fullerene derivative of germacyclop propane, 82

Germasilene

Reaction of disilagermirenes with phenylacetylene: from a germasilene -Ge=Si- to a metalladiene of the type -Si=Ge-C=C-, 41

Germiranes

Time-resolved gas-phase kinetic study of the reaction of germylene with propene over the temperature range 293–415 K: the thermal stabilities of germiranes, 49

Germylene

New synthesis of a stable dialkylstannylene and its reversible complexation with tetrahydrofuran, 144

Time-resolved gas-phase kinetic study of the reaction of germylene with propene over the temperature range 293–415 K: the thermal stabilities of germiranes, 49

Hex-1-ene

Oxidative esterification of alkenes via π- and σ-organopalladium complexes: new pathways for the reaction, 69

Homolytic substitution

Spin chemistry of organometallic compounds: Part 1. Interaction of *N*-bromohexamethylsilazane with allyltriethylstannane, 12

H-tube test

Synthesis of azacrown ethers modified with side-chains containing germanium, 108

Hydrogermylation

Synthesis of azacrown ethers modified with side-chains containing germanium, 108

Hypercoordination

Hypercoordinated organotin compounds containing sulfur and chlorine. Molecular structures of [(Ph₃P)₂N]⁺[S(SnR₂Cl)₂Cl]⁻ (R = Me, *t*-Bu), 138

Synthesis and characterization of 2,4,6-tris((dimethylamino)-methyl)phenoxy silicon compounds, 96

Indenyl lithium salts

Synthesis, characterization, and catalytic properties of bis[alkylindenyl]-, bis[alkenylindenyl]- and [alkenylindenyl(cyclopentadienyl)]zirconium dichloride complexes, 31

Indenyl zirconium complexes

Synthesis, characterization, and catalytic properties of bis[alkylindenyl]-, bis[alkenylindenyl]- and [alkenylindenyl(cyclopentadienyl)]zirconium dichloride complexes, 31

Metalladiene

Reaction of disilagermirenes with phenylacetylene: from a germasilene -Ge=Si- to a metalladiene of the type -Si=Ge-C=C-, 41

Methylcyclohex-1-ene

Oxidative esterification of alkenes via π- and σ-organopalladium complexes: new pathways for the reaction, 69

Molecular orbital calculations

Are disilacyclop propylidenes and their carbenoids good precursors for the unknown 1,3-disilaallenes?, 148

Monoazacrown ether

Synthesis of azacrown ethers modified with side-chains containing germanium, 108

NMR

Synthesis and characterization of 2,4,6-tris((dimethylamino)-methyl)phenoxy silicon compounds, 96

Olefins

'One-pot' synthesis of 1,1-disubstituted cyclopropanes in the presence of metal complex catalysts, 76

Oligosilane

Silylene-transfer reactions of cyclic organosilanes induced by phenanthraquinone triplet, 63

o-Phenylenediamine

Deprotonated *N*-phenyl-*o*-phenylenediimine as a bridging ligand, 157

Organoaluminum compounds

Dehydration of LnCl₃·6H₂O (Ln = Tb, Nd, Dy) in the reaction with *i*-Bu₃Al, Et₃Al, Et₂AlCl, EtAlCl₂ and formation of the complexes LnCl₃·3(BuO)₃PO, 56

Organogermanium compounds

Synthesis of azacrown ethers modified with side-chains containing germanium, 108

Organotin

Hypercoordinated organotin compounds containing sulfur and chlorine. Molecular structures of $[(\text{Ph}_3\text{P})_2\text{N}]^+[\text{S}(\text{SnR}_2\text{-Cl})_2\text{Cl}]^-$ (R = Me, *t*-Bu), 138

Oxidative esterification

Oxidative esterification of alkenes via π - and σ -organopalladium complexes: new pathways for the reaction, 69

Palladium

Deprotonated *N*-phenyl-*o*-phenylenediimine as a bridging ligand, 157

Oxidative esterification of alkenes via π - and σ -organopalladium complexes: new pathways for the reaction, 69

 p - σ and p - π interactions

Conformational behavior of 3-borabicyclo[3.3.1]nonanes. Intramolecular p - σ and p - π interactions in 3,7-*endo*-disubstituted 3-borabicyclo[3.3.1]nonanes, 3

Phase transition

UV and Raman study of thermochromic phase transition in poly(di-*n*-hexylgermane), 164

Phenanthraquinone

Silylene-transfer reactions of cyclic organosilanes induced by phenanthraquinone triplet, 63

Phenylacetylene

Reaction of disilagermirenes with phenylacetylene: from a gemasilene $-\text{Ge}=\text{Si}-$ to a metalladiene of the type $-\text{Si}=\text{Ge}-\text{C}=\text{C}-$, 41

Photo-induced electron-transfer

Silylene-transfer reactions of cyclic organosilanes induced by phenanthraquinone triplet, 63

 α -Pinene

Oxidative esterification of alkenes via π - and σ -organopalladium complexes: new pathways for the reaction, 69

Polygermane

UV and Raman study of thermochromic phase transition in poly(di-*n*-hexylgermane), 164

Propene polymerization

Synthesis, characterization, and catalytic properties of bis[alkylindenyl]-, bis[alkenylindenyl]- and [alkenylindenyl(cyclopentadienyl)]zirconium dichloride complexes, 31

Pt(IV)

Stable Pt(IV) vinylic complexes with unusual regioselectivity formed in the reaction of methylpropiolate triple bond activation, 175

¹⁹⁵Pt-NMR

Stable Pt(IV) vinylic complexes with unusual regioselectivity formed in the reaction of methylpropiolate triple bond activation, 175

Radical displacement

Silylene-transfer reactions of cyclic organosilanes induced by phenanthraquinone triplet, 63

Radical ion

Silylene-transfer reactions of cyclic organosilanes induced by phenanthraquinone triplet, 63

Radical pairs

Spin chemistry of organometallic compounds: Part 1. Interaction of *N*-bromohexamethyldisilazane with allyltriethylstannane, 12

Raman

UV and Raman study of thermochromic phase transition in poly(di-*n*-hexylgermane), 164

Rate constants

Time-resolved gas-phase kinetic study of the reaction of germylene with propene over the temperature range 293–415 K: the thermal stabilities of germiranes, 49

Reaction mechanism

Oxidative esterification of alkenes via π - and σ -organopalladium complexes: new pathways for the reaction, 69

Regioselectivity

Oxidative esterification of alkenes via π - and σ -organopalladium complexes: new pathways for the reaction, 69

Rhenium

Deprotonated *N*-phenyl-*o*-phenylenediimine as a bridging ligand, 157

Semiquinonediimine

Deprotonated *N*-phenyl-*o*-phenylenediimine as a bridging ligand, 157

Silacyclobutene

Silylene reactions with 1,7-octadiene-3,5-diyne: evidence for the intermediate formation of a bis(silaethene), 7

Silicon

Are disilacyclopropylidenes and their carbenoids good precursors for the unknown 1,3-disilaallenes?, 148

Silylene reactions with 1,7-octadiene-3,5-diyne: evidence for the intermediate formation of a bis(silaethene), 7

Synthesis and characterization of 2,4,6-tris((dimethylamino)-methyl)phenoxy silicon compounds, 96

Silole

Reaction of disilagermirenes with phenylacetylene: from a gemasilene $-\text{Ge}=\text{Si}-$ to a metalladiene of the type $-\text{Si}=\text{Ge}-\text{C}=\text{C}-$, 41

Silylene

Electronic and steric properties of stable silylene ligands in metal(0) carbonyl complexes, 17

New synthesis of a stable dialkylstannylene and its reversible complexation with tetrahydrofuran, 144

Silylene reactions with 1,7-octadiene-3,5-diyne: evidence for the intermediate formation of a bis(silaethene), 7

Silylene transfer

Silylene-transfer reactions of cyclic organosilanes induced by phenanthraquinone triplet, 63

Structures

Synthesis, properties and structures of the tris(cyclopentadienyl)thorium(III) complexes $[\text{Th}\{\eta^5\text{-C}_5\text{H}_3(\text{SiMe}_2\text{R})_2\text{-1,3}\}_3]$ (R = Me or 'Bu), 124

Substituted cyclopropanes

'One-pot' synthesis of 1,1-disubstituted cyclopropanes in the presence of metal complex catalysts, 76

Terthiophene carbaldehydes

Synthesis, structure and cytotoxicity of trimethylsilyl oligothiophenyl-carbaldehydes and their derivatives, 26

Thermal stabilities

Time-resolved gas-phase kinetic study of the reaction of germylene with propene over the temperature range 293–415 K: the thermal stabilities of germiranes, 49

Thermodynamic data

New synthesis of a stable dialkylstannylene and its reversible complexation with tetrahydrofuran, 144

Thorium(III) cyclopentadienyls

Synthesis, properties and structures of the tris(cyclopentadienyl)thorium(III) complexes $[\text{Th}\{\eta^5\text{-C}_5\text{H}_3(\text{SiMe}_2\text{R})_2\text{-1,3}\}_3]$ (R = Me or 'Bu), 124

Tin

New synthesis of a stable dialkylstannylene and its reversible complexation with tetrahydrofuran, 144

Trimethylsilyl

Synthesis, structure and cytotoxicity of trimethylsilyl oligothiophenyl-carbaldehydes and their derivatives, 26

UV

UV and Raman study of thermochromic phase transition in poly(di-*n*-hexylgermane), 164

X-ray analysis

Conformational behavior of 3-borabicyclo[3.3.1]nonanes. Intramolecular p- σ and p- π interactions in 3,7-*endo*-disubstituted 3-borabicyclo[3.3.1]nonanes, 3

X-ray structures

Degradation of a methacrylate-substituted oxozirconium cluster by acetylacetonone, 172

Zirconium

Degradation of a methacrylate-substituted oxozirconium cluster by acetylacetonone, 172