Part 1: Original Papers

182. Iridium-Catalyzed C(sp³)–H Addition of Methyl Ethers across Intramolecular Carbon–Carbon Double Bonds Giving 2,3-Dihydrobenzofurans

181. Boryl-directed, Ir-catalyzed C(sp³)–H Borylation of Alkylboronic Acids Leading to Site-selective Synthesis of Polyborylalkanes

180. Asymmetric Catalysis in Chiral Solvents: Transfer, Amplification, and Memory of Chirality Enabled by Macromolecular Scaffold

179. Pyridine-based Catalysts for Organocatalytic Regioselective syn-1,2-Silaboration of Terminal Alkynes and Allenes

178. Lyotropic Liquid Crystallinity of Linear and Star Poly(quinoxaline-2,3-diyl)s: Isotropic-Liquid Crystal Phase Equilibria in Tetrahydrofuran

177. Telechelic Helical Poly(quinoxaline-2,3-diyl)s Containing Structurally-defined, Circularly Polarized Luminescent Terquinoxaline Core at the Center: Synthesis by Core-Initiated Bidirectional Living Polymerization


175. Helical Poly(quinoxaline-2,3-diyl)s Bearing 1,2,3-Triazole Pendants: Synthesis by CuAAC, Luminescence Properties, and Use as Reusable Abnormal NHC Ligands in Gold Catalysis
174. A Bidirectional Screw-sense Induction of Poly(quinoxaline-2,3-diyl)s that Depends on the Degree of Polymerization


172. Enantiospecific Suzuki-Miyaura Coupling of Nonbenzylic α-(Acylamino)alkylboronic Acid Derivatives

171. Abnormal Sergeants-and-Soldiers Effect of Poly(quinoxaline-2,3-diyl)s Enabling Discrimination of One-Carbon Homologous n-Alkanes through a Highly Sensitive Solvent-dependent Helix Inversion

170. Chirality-Amplifying, Dynamic Induction of Single-handed Helix by Chiral Guests to Macromolecular Chiral Catalysts Bearing Boronyl Pendants as Receptor Sites

169. Elucidating the Solvent Effect on the Switch of the Helicity of Poly(quinoxaline-2,3-diyl)s: A Conformational Analysis by Small-Angle Neutron Scattering

168. Palladium-Catalyzed β-Elimination of Aminoboranes from (Aminomethylsilyl)boranes Leading to the Formation of Silene Dimers

167. 4,4'-Bipyridine-Catalyzed Stereoselective trans-Diboration of Acetylenedicarboxylates Giving 2,3-Diborylfumarates

166. Synthesis and Solution Properties of a Rigid Helical Star Polymer: Three-arm Star Poly(quinoxaline-2,3-diyl)s
165. Asymmetric Cycloisomerization of o-Alkenyl-N-methylanilines to Indolines through Iridium-Catalyzed C(sp³)-H Addition to Carbon-Carbon Double Bonds

164. Chirality-switchable 2,2'-Bipyridine Ligands Attached to Helical Poly(quinoxaline-2,3-diy)ls for Copper-Catalyzed Asymmetric Cyclopropanation of Alkenes

163. Rhodium-Catalyzed Directed C(sp²)–H Addition of Arylboronic Acids to Arylpropiolates Using a Boron-based, Convertible *ortho*-Directing Group

162. Synthesis and Catalytic Applications of a Triptycene-Based Monophosphine Ligand for Palladium-Mediated Organic Transformations

161. Poly(quinoxaline-2,3-diy) as a Multifunctional Chiral Scaffold for Circularly Polarized Luminescent Materials: Color Tuning, Energy Transfer, and Switching of the CPL Handedness

160. Utilization of a Trimethylsilyl Group as a Synthetic Equivalent of a Hydroxyl Group via Chemoselective C(sp³)–H Borylation at the Methyl Group on Silicon

159. C-H Activation-Based Transformation of Naphthalenes to 3-Iodo-2-Naphthylboronic Acid Derivatives for Use in Iterative Coupling Synthesis of Oligo(naphthalene-2,3-diy)ls

158. Single-Handed Helical Poly(quinoxaline-2,3-diy)ls Bearing Achiral 4-Aminopyrid-3-yl Pendants as Highly Enantioselective, Reusable Chiral Nucleophilic Organocatalysts in the Steglich Reaction

157. Regioselective Synthesis of o-Benzenediboronic Acids via Ir-catalyzed o-C–H Borylation Directed by a Pyrazolylaniline-Modified Boronyl Group
156. High-Pressure Circular Dichroism Spectroscopy up to 400 MPa Using Polycrystalline Yttrium Aluminum Garnet (YAG) as Pressure-Resistant Optical Windows

155. A (Borylmethyl)silane Bearing Three Hydrolyzable Groups on Silicon: Synthesis via Iridium-Catalyzed C(sp3)-H Borylation and Conversion to Functionalized Siloxanes

154. Three-Way Switchable (Right/Left/OFF) Selective Reflection of Circular Polarized Light on Solid Thin Films of Helical Polymer Blends

153. Iridium-Catalyzed Intramolecular Methoxy C–H Addition to Carbon–Carbon Triple Bond: Direct Synthesis of 3-Substituted Benzofurans from o-Methoxyphenylalkynes

152. Solvent Effect on the Sergeants-and-Soldiers Effect Leading to Bidirectional Induction of Single-Handed Helical Sense of Poly(quinoxaline-2,3-diyl)s Copolymers in Aromatic Solvents

151. Main-Chain Stiffness and Helical Conformation of a Poly(quinoxaline-2,3-diyl)s evaluated by SEC-MALS-VISCO and SAXS in Dilute Solution

150. Pressure-Dependent Helix Inversion of Poly(quinoxaline-2,3-diyl)s Containing Chiral Side Chains in Non-aqueous Solvents

149. Site- and Regioselective Silaborative C–C Cleavage of 1-Alkyl-2-methylene cyclopropanes Using a Platinum Catalyst with a Sterically Demanding Silylboronic Ester

148. Majority-Rule-Type Poly(quinoxaline-2,3-diyl)s as Highly Efficient Chiral Amplification System for Asymmetric Catalysis
147. Exerting Control over the Helical Chirality in the Main-Chain of Segeants-and-Soldiers-Type Poly(quinoxaline-2,3-diyl)s by Changing from Random to Block Copolymerization Protocols

148. Organocatalytic Diboration Involving “Reductive Addition” of a Boron–Boron σ-Bond to 4,4′-Bipyridine
Ohmura, T.; Morimasa, Y.; Suginome, M., J. Am. Chem. Soc. 2015, 137, 2852-2855. [DOI: 10.1021/jacs.5b00546] (JACS Spotlights 10.1021/jacs.5b02133)

149. Asymmetric Suzuki-Miyaura Cross-Coupling of 1-Bromo-2-naphthoates Using the Helically Chiral Polymer Ligand PQXphos

150. Facile Preparation of Poly(quinoxaline-2,3-diyl)s via Aromatizing Polymerization of 1,2-Diisocyanobenzenes Using Phosphine Complexes of Nickel(II) Salts

151. Poly(quinoxaline-2,3-diyl)s Bearing (S)-3-Octyloxymethyl Side Chains as an Efficient Amplifier of Alkane Solvent Effect Leading to Switch of Main Chain Helical Chirality

152. Chiral Palladacycle Catalysts Generated on a Single-handed Helical Polymer Skeleton for Asymmetric Arylative Ring Opening of 1,4-Epoxy-1,4-Dihydronaphthalene

153. Ether Solvent-Induced Chirality Inversion of Helical Poly(quinoxaline-2,3-diyl)s Containing L-Lactic Acid Derived Side Chains

154. Chirality-Switchable Circularly Polarized Luminescence in Solution Based on Solvent-dependent Inversion of Helical Chirality of Poly(quinoxaline-2,3-diyl)s

155. Solid Polymer Films Exhibiting Handedness-switchable, Full-color-tunable Selective Reflection of Circularly Polarized Light

156. Iridium-Catalyzed Borylation of Sterically Hindered C(sp³)-H Bonds: Remarkable Rate Acceleration by the Catalytic Amount of Potassium tert-Butoxide
137. Functionalization of Tetraorganosilanes and Permethyloligosilanes at a Methyl Group on Silicon via Iridium-Catalyzed C(sp3)-H Borylation

136. Nickel-Catalyzed Cyclizative trans-Carboboration of Alkynes through Activation of B–Cl Bonds Using Organometallic Reagents as a Donor of Organic groups

135. Complementary Induction of Right- and Left-handed Helical Structures by Positioning of Chiral groups on the Monomer Units: Introduction of (–)-Menthol as Side Chains of Poly(quinoxaline-2,3-diyl)s

134. Solvent-Dependent Switch of Helical Main-Chain Chirality in Sergeants-and-Soldiers-type Poly(quinoxaline-2,3-diyl)s: Effect of the Position and Structures of the "Sergeant" Chiral Units on the Screw-Sense Induction

133. Anthranilamide-Masked o-Iodoarylboronic Acids as Coupling Modules for Iterative Synthesis of ortho-Linked Oligoarenes

132. Synthesis of Cyclic Alkenylborates via Silaboration of Alkynes Followed by Hydrolysis for Utilization in External-Base-Free Cross Coupling

131. Palladium-catalyzed Carboboration: Borylative Coupling of Alkynes with Alkenes through Activation of Boron-Chlorine Bonds

130. Cycloaddition-based C–H Alkynylation of Isoindoles Leading to the Synthesis of Fluorescent 1,3-Dialkynylisoindoles

129. Solvent-dependent fluorescence and circular dichroism properties of poly(quinoxaline-2,3-diyl)s bearing pyrene pendants
128. Catalytic Functionalization of Methyl Group on Silicon: Iridium-Catalyzed C(sp\(^3\))-H Borylation of Methylchlorosilanes

127. Dearomatizing Conversion of Pyrazines to 1,4-Dihydropyrazine Derivatives via Transition-Metal-Free Diboration, Silaboration, and Hydroboration

126. Enhanced Catalyst Activity and Enantioselectivity with Chirality-switchable Polymer Ligand PQXphos in Pd-catalyzed Asymmetric Silaborative Cleavage of meso-Methylenecyclopropanes

125. Regioselective Synthesis of 1,2-Dihydropyridines via Rhodium-catalyzed Hydroboration of Pyridines

124. Inversion or Retention? Effects of Acidic Additives on the Stereochemical Course in Enantiospecific Suzuki–Miyaura Coupling of \(\alpha\)-(Acetylamino)benzylboronic Esters

123. (E)- and (Z)-\(\beta\)-Borylallylsilanes via Alkyne Silaboration followed by Regio- and Stereoselective Double Bond Migration

122. Catalytic Asymmetric Synthesis Using Chirality-Switchable Helical Polymer as a Chiral Ligand

121. Control of Helical Chirality of Poly(quinoxaline-2,3-diyl)s Based on Post-Polymerization Modification of the Terminal Group by Chiral Small Molecules

120. Synthesis of Poly(quinoxaline-2,3-diyl)s with Alkoxy Side Chains by Aromatizing Polymerization of 4,5-Dialkoxy-substituted 1,2-diisocyanobenzenes
119. High-Molecular-Weight Polyquinoxaline–Phosphine (PQXphos) as an Efficient Chiral Ligand for Asymmetric Biaryl Synthesis by Suzuki-Miyaura Coupling

118. Ruthenium-Catalyzed C–H-Silylation of Methylboronic Acid Using a Removable α-Directing Modifier on the Boron Atom

117. Palladium-Catalyzed Regioselective Silaboration of Pyridines Leading to the Synthesis of Silylated Dihydropyridines

116. Dinuclear Pd and Pt Complexes with Bridging Silylene Ligands. Preparation using (Aminosilyl)boronic Esters as the Ligand Precursor and Their reactions with Alkynes

115. Anthranilamide: A Simple, Removable Ortho-Directing Modifier for Arylboronic Acids Serving also as a Protective Group in Cross-Coupling Reactions

114. Stereoselective Cyclizative Alkenylboronation of Carbon–Carbon Double Bonds through Catalytic Activation of Boron–Chlorine Bond with Transmetalation from Alkenylzirconium Reagents

113. 2-Vinylindoles as the Four-Atom Component in a Catalytic [4+1] Cycloaddition with a Silylene-Palladium Species Generated from (Aminosilyl)boronic Ester

112. Integrated Catalytic C–H Transformations for One-Pot Synthesis of 1-Arylisindoles from Isoindolines via Palladium-Catalyzed Dehydrogenation Followed by C–H Arylation

111. Stereospecific Suzuki–Miyaura Coupling of Chiral α-(Acylamino)benzylboronic Esters with Inversion of Configuration
110. Switch of Regioselectivity in Palladium-Catalyzed Silaboration of Terminal Alkynes by Ligand-Dependent Control of Reductive Elimination

109. High-Molecular-Weight Polyquinoxaline–Based Helically Chiral Phosphine (PQXphos) as Chirality-Switchable, Reusable, and Highly Enantioselective Monodentate Ligand in Catalytic Asymmetric Hydrosilylation of Styrenes

108. Rhodium-Catalyzed Dehydroborylation of Styrenes with Naphthalene-1,8-Diaminatoborane ((dan)BH): New Synthesis of Masked β-Borylstyrenes as New Phenylene–Vinylene Cross-Coupling Modules

107. Synthesis of Helical Rod–Coil Multiblock Copolymers by Living Block Copolymerization of Isocyanide and 1,2-Diisocyanobenzene Using Arylnickel Initiators

106. Langmuir-Blodgett Films of Helical Rigid-Rod Poly(quinoxaline-2,3-diy)ls

105. Nickel-Catalyzed Asymmetric Addition of Alkyne C-H Bonds Across 1,3-Dienes Using TADDOL-Based Chiral Phosphoramidite Ligands

104. Differentially Protected Diboron for Regioselective Diboration of Alkynes: Internal-Selective Cross-Coupling of 1-Alkene-1,2-diboronic Acid Derivatives

103. Non-Hydrogen-Bonding-Based, Solvent-Dependent Helix Inversion Between Pure P-Helix and Pure M-Helix in Poly(quinoxaline-2,3-diy)ls Bearing Chiral Side Chains

102. Chiral Arylnickel Complexes as Highly Active Initiators for Screw-Sense Selective Living Polymerization of 1,2-Diisocyanobenzenes

101. Palladium-Catalyzed Silylene-1,3-Diene [4+1] Cycloaddition with Use of (Aminosilyl)boronic Esters as Synthetic Equivalents of Silylene

100. Nickel-Catalyzed Ring-Opening Hydroacylation of Methylene cyclopropanes: Synthesis of \(\gamma,\delta\)-Unsaturated Ketones from Aldehydes

99. Kinetic Resolution of Racemic 1-Alkyl-2-methylene cyclopropanes via Palladium-Catalyzed Silaborative C-C Cleavage

98. \(\alpha\)-Amidobenzylation of Aryl- and Alkenyl Halides via Palladium-Catalyzed Suzuki-Miyaura Coupling with \(\alpha\)-(Acylamino)benzylboronic Esters

97. Easily Attachable and Detachable ortho-Directing Agent for Arylboronic Acids in Ruthenium-Catalyzed Aromatic C-H Silylation

96. Synthesis of 1-Borylisoi ndoles via Palladium-Catalyzed Dehydrogenation/C-H Borylation of Isoindolines

95. Synthesis of B-Protected \(\beta\)-Styrylboronic Acids via Iridium-Catalyzed Hydroboration of Alkynes with 1,8-Naphthalenediaminatoborane Leading to Iterative Synthesis of Oligo(phenylenevinylene)

94. Nickel-Catalyzed, Regio- and Stereoselective Hydro alkynylation of Methylene cyclopropanes with Retention of the Cyclopropane Ring, Leading to the Synthesis of 1-Methyl-1-alkynylcyclopropanes

93. Palladium-catalyzed intramolecular cyanoboration of allenes leading to the regioselective synthesis of \(\beta\)-cyanopallylboranes

92. B(OMe)_3 as a Nonacidic Iminium Ion Generator in Mannich- and Ugi-type Reactions
91. Synthesis of Masked Haloareneboronic Acids via Iridium-Catalyzed Aromatic C-H Borylation with 1,8-Naphthalenediaminatoborane (danBH)

90. Nickel-catalyzed Regioselective Hydroalkynylation of Styrenes: Improved Catalyst System, Reaction Scope, and Mechanism

89. Stereoselective Synthesis of cis-β-Methyl- and Phenyl-Substituted Alkenylboranes via Platinum-Catalyzed Dehydrogenative Borylation

88. Helical Poly(quinoxaline-2,3-diyl)s Bearing Metal-Binding Sites as New Polymer-Based Chiral Ligands for Asymmetric Catalysis

87. Palladium-Catalyzed Carboboration of Alkynes Using Chloroborane and Organozirconium Reagents

86. Nickel-Catalyzed Addition of C-H Bonds of Terminal Alkynes to 1,3-Dienes and Styrenes

85. Diarylborinic Acid Derivatives as a Catalytic Iminium Ion Generator in the Mannich-type Reaction Using sec-Amines, Aldehydes, and Ketene Silyl Acetals

84. Palladium-catalyzed cis- and trans-Silaboration of Terminal Alkynes: Complementary Access to Stereo-Defined Trisubstituted Alkenes

83. Palladium-Catalyzed trans- and cis-Carboboration of Alkynes Tethered to Chloroborane with Organozirconium Reagents: Ligand-Dependent Complementary Stereoselectivity

82. Synthetic Application of Intramolecular Cyanoboration on the Basis of Removal and Conversion of a Tethering Group by Palladium-Catalyzed Retro-allylation
81. A Mechanism for the Palladium–Catalyzed Regioselective Silaboration of Allene: A Theoretical Study

80. Differentially Protected Benzenediboronic Acids: Divalent Cross-Coupling Modules for the Efficient Synthesis of Boron-Substituted Oligoarenes

79. Silylboranes Bearing Dialkylamino Groups on Silicon as Silylene Equivalents: Palladium-Catalyzed Regioselective Synthesis of 2,4-Disubstituted Siloles

78. Acid-free, Aminoborane-mediated Ugi-type Reaction Leading to General Utilization of Secondary Amines

77. Synthesis and Helical Structure of Oligo(quinoline-2,3-diyl)s

76. Palladium-Catalyzed Asymmetric Silaborative C–C Cleavage of meso-Methylenecyclopropanes


74. Synthesis of Silylboronic Acid Esters Functionalized on Silicon

73. Ligand-Controlled, Complementary Stereoselectivity in the Platinum-Catalyzed Intramolecular Silaboration of Alkenes

72. Nickel-Catalyzed Addition of Alkynyboranes to Alkynes

71. Palladium-Catalyzed Asymmetric Silaboration of Allenes

70. The Asymmetric Silaboration of Terminal Allenes Bearing α-Stereogenic Centers: Stereoselection Based on “Reagent Control”
69. Reactions of Cyanoboranes with a Palladium–PMe₃ Complex: Mechanism for the Catalytic Cyanoboration of Alkynes

68. Reductive Amination of Aldehydes Using Aminoboranes as Iminium Ion Generators

67. Aminoboranes as New Iminium Ion Generators in Amination Reactions

66. Nickel-Catalyzed trans-Alkynylboration of Alkynes via Activation of a Boron-Chlorine Bond

65. Intramolecular Cyanoboration of Alkynes via Activation of Boron-Cyanide Bonds by Transition Metal Catalysts

64. Palladium-Catalyzed Addition of Cyanoboranes to Alkynes: Regio- and Stereoselective Synthesis of α,β-Unsaturated β–Boryl Nitriles

63. Synthesis and Structural Analysis of Oligo(naphthalene-2,3-diyl)s

62. Stereoselective Synthesis of Highly Enantioenriched (E)-Allylsilanes by Palladium-Catalyzed Intramolecular Bis-Silylation: 1,3-Chirality Transfer and Enantienrichment via Dimer Formation

61. Synthesis and Reactions of Cyclic Silylboranes

60. Aminoboranes as "Compatible" Iminium Ion Generators in Aminative C-C Bond Formations

59. New Look at Boron Enolate Chemistry: Aminative C–C Bond Formation Using Diaminoboron Enolate with Aldehyde

58. Enantioface-Selective Palladium-Catalyzed Silaboration of Allenes via Double Asymmetric Induction

57. Palladium- and Nickel-Catalyzed Intramolecular Cyanoboration of Alkynes

56. Bis(dialkylamino)cyanoboranes: Highly Efficient Reagents for the Strecker-type Aminative Cyanation of Aldehydes and Ketones.


54. 1,2-Azaboretidine Formation in the Reactions of (Boryl)(silyl)iminomethanes via Possible Generation of (Amino)(boryl)carbene Species

53. Highly Effective, Easily Accessible Screw-Sense-Determining End Group in the Asymmetric Polymerization of 1,2-Diisocyanobenzenes

52. Stereoselective Construction of trans-1,2-Benzooxadecaline Frameworks by Three-Component Cascade Reactions of an α-Phenethyl-β-borylallylsilane with Aldehydes

51. Solid-Phase Synthesis and Asymmetric Reactions of Polymer-Supported Highly Enantioenriched Allysilanes

50. Asymmetric Synthesis of Cyclic Alkenes via Cyclization of Enantioenriched Allylsilanes

49. β-Borylallylsilanes as a New Tool for Convenient Synthesis of Alkenylboranes

48. Palladium- and Platinum-Catalyzed Silaboration of Methylene cyclopropanes through Selective Proximal or Distal C-C Bond Cleavage

47. Convenient Preparation of Silylboranes

46. First Synthesis and Resolution of a Planar-chiral Tetrahydroindolyl Complex of Iron: Electronic Tuning of Reactivity and Enantioselective Nucleophilic Catalysis
Suginome M.; Fu, G. C. Chirality 2000, 12, 318-324.
45. Palladium-Catalyzed Regioselective Silaboration of 1,2-Dienes

44. Structural Modification of Living Polymers: Synthesis of Helical Block Copolymers from a Single Monomer via Palladium-Mediated Aromatizing Polymerization of 1,2-Diisocyanobenzenes

43. Synthesis of (Boryl)(silyl)iminomethanes by Insertion of Isonitriles into Silicon-Boron Bonds

42. Asymmetric Synthesis of 2,3-Disubstituted Oxepanes via Acetalization-Cyclization of an Enantioenriched Functionalized Allylsilane with Aldehydes

41. New Access to 2,3-Disubstituted Quinolines through Cyclization of o-Alkynylisocyanobenzenes

40. Stereoselective 1,4-Silaboration of 1,3-Dienes Catalyzed by Nickel Complexes

39. Highly Regioselective Silaboration of 3-Substituted 1,2-Dienes Catalyzed by Palladium/2,6-Xylyl Isocyanide

38. Regio- and Stereoselective Synthesis of (Z)-β-Silylalkenylboranes by Silaboration of Alkynes Catalyzed by Palladium and Platinum Complexes

37. Nickel-Catalyzed Silaborative Dimerization of Alkynes

36. Asymmetric Synthesis of Helical Poly(quinoxaline-2,3-diyl)s by Palladium-Mediated Polymerization of 1,2-Diisocyanobenzenes: Effective Control of the Screw-Sense by a Binaphthyl Group at the Chain-End

35. Stereoselective Cyclization of Highly Enantio-Enriched Allylsilanes with Aldehydes via Acetal Formation: New Asymmetric Access to Tetrahydropyrans and Piperidines
34. Platinum-Catalyzed Silaborative Coupling of 1,3-Dienes to Aldehydes: Regio- and Stereoselective Allylation with Dienes through Allylic Platinum Intermediates

33. Stereospecific Cationic [1,2]-Silyl Shift with Retention of Configuration at the Migrating Terminus

32. Asymmetric Synthesis of Helically Stable Poly(quinoxaline-2,3-diyl)s Having Hydrophilic and/or Hydrophobic Side-chains

31. Reactions of a Spiro Trisilane with Palladium Complexes: Synthesis and Structure of Tris(organosilyl))CpPd(IV) and Bis(organosilyl)(μ-organosilylene)Pd₂(II) Complexes.

30. Racemization and Deracemization of Poly(quinoxaline-2,3-diyl)s


27. Optically Active Isonitrile Ligand for Palladium-Catalyzed Enantioselective Bis-Silylation of Carbon-Carbon Double Bonds

26. New Synthetic Access to 1,3-Diaza-5-sila-2-boracyclohexane Frameworks by the Reaction of Borane with Bis[(N-arylimino)organosilylmethyl]silanes
M. Suginome, T. Fukuda, Y. Ito, Heterocycles 1997, 44, 121-124. (Special issue dedicated to Prof. S. Oae)

25. Regio- and Stereoselective Silaboration of Alkynes Catalyzed by Palladium and Platinum Complexes

23. Highly Screw-Sense Selective Polymerization of 1,2-Diisocyno-3,6-di-p-tolylbenzene Initiated by Optically Active Binaphthylpalladium(II) Complexes

22. Intramolecular Bis-Silylation of Alkenes Catalyzed by Palladium(0) tert-alkyl isocyanide Complex. Stereoselective Synthesis of Polyols

21. Palladium-Catalyzed Intramolecular Bis–Silylation of Propargylic Alcohols: A New Stereosepecific Access to Chiral Allenyilsilanes

20. Double Oxidative Addition of the Si–Si and Si–Ge Bonds onto Isonitrile–Platinum(0) Complexes Leading to the Formation of Tetrakis(organosilyl)-and Bis(organogermyl)-bis(organogermyl)platinum(IV) Complexes


18. New Synthesis of (E)-Allylsilanes with High Enantiopurity via Diastereoselective Intramolecular Bis-Silylation of Chiral Allylic Alcohols

17. New Synthesis of Quinoxaline Derivatives Based on Palladium Catalyzed Oligomerization of 1,2-Diisocynoarenes

16. Reactions of Si–Si σ-Bonds with Bis(τ-alkyl isocyanide)palladium(0) Complexes. Synthesis and Reactions of Cyclic Bis(organosilyl)palladium Complexes [Headline Article]


14. Disilanyl Group as a Synthetic Equivalent of the Hydroxyl Group

13. Palladium-tert-Alkyl Isocyanide Catalyzed Intramolecular Bis-Silylation of Vicinally Disubstituted Alkenes.

11. Novel Activation of Two Si–Si σ-Bonds in a Molecule by tert-Alkyl Isocyanide–Palladium Complexes

10. Palladium-Catalyzed Intramolecular Cyanosilylation of Alkynes Leading to Stereoselective Synthesis of α,β-Unsaturated Nitriles

9. Synthesis and Structure of a Nontwisted Tetrakis(organosilyl)ethenes

8. Stereoselective Intramolecular Bis-Silylation of Alkenes Promoted by Palladium-Isocyanide Catalyst Leading to Polyol Synthesis

7. Stereoselective Synthesis of 1,2,4-Triols via Intramolecular Bis-Silylation of Carbon-Carbon Triple Bonds Followed by Hydrogenation

6. Intramolecular Bis-silylation of Carbon-Carbon Double Bonds Leading to Stereoselective Synthesis of 1,2,4-Triols

5. Palladium(II) Acetate–tert-Alkyl Isocyanide as a Highly Efficient Catalyst for the Inter- and Intramolecular Bis-silylation of Carbon-Carbon Triple Bonds

4. Palladium-Catalyzed Insertion of Isocyanides into the Silicon-Silicon Linkages of Oligosilanes

3. Novel Skeletal Rearrangement Reaction of Tetrasilanes with Aryl Isocyanides

2. Reactions of (Triphenylphosphine)gold(I) Enolates and Homoenolates

1. Convenient preparative method and crystal structures of (triphenylphosphine)gold(I) enolate and homoenolate complexes
Part 2: Accounts, Reviews, and Book Chapters in English

21. Molecular Technology for Switch and Amplification of Chirality in Asymmetric Catalysis Using a Helically Dynamic Macromolecular Scaffold as a Source of Chirality

20. Poly(quinoxaline-2,3-diyl)s: A Fascinating Helical Macromolecular Scaffold for New Chiral Functions

19. Arylboronic Acid Derivative Cross-Coupling Reaction

18. Poly(isocyanide)s, Poly(quinoxaline-2,3-diyl)s, and Related Helical Polymers Utilized as Chiral Polymer Catalysts in Asymmetric Synthesis

17. 2-(Dimethylphenylsilyl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane

16. Catalytic Carbaborations

15. Transition-Metal-Catalyzed Element-Boryl Additions to Unsaturated Organic Compounds


13. Development of Boron-Based Reactions and Regents for Organic Synthesis

12. C-E Bond Formation through Element-Element Addition to Carbon-Carbon Multiple Bonds

11. Isocyanides and Related Compounds

10. Transition Metal-Mediated Polymerization of Isocyanides
9. Stereoselective Accesses to Enantioenriched Allyl-, Allenyl-, and Propargylsilanes via Si-Si Bond Activation by Palladium-Isocyanide Catalysts

8. Regio- and stereoselective synthesis of boryl-substituted allylsilanes via transition metal-catalyzed silaboration

7. Palladium-catalyzed or -promoted oxidation via 1,2- or 1,4-elimination: oxidation of silyl enol ethers and related enol derivatives to $\alpha,\beta$-unsaturated enones and other carbonyl compounds.


5. Transition Metal-Catalyzed Additions of Silicon-Silicon and Silicon-Heteroatom Bonds to Unsaturated Organic Molecules

4. Activation of Si-Si Bonds by Transition-Metal Complexes.

3. New Organic Synthesis Based upon Palladium-Catalyzed Activation of Silicon-Silicon $\sigma$-Bonds.

2. Activation of Silicon-Silicon $\sigma$-Bonds by Transition-Metal Complexes: Synthesis and Catalysis of New Organosilyl Transition-Metal Complexes [Dalton Perspective]

1. Stereoselective Synthesis via Palladium-Catalyzed Intramolecular Bis-Silylation