

Hisako Hashimoto

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Synthesis and Structure of a Hydrido(hydrosilylene)ruthenium Complex and Its Reactions with Nitriles. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8192-8194. | 13.8 | 104 |
| 2 | Hydrido(hydrosilylene)tungsten Complexes with Strong Interactions between the Silylene and Hydrido Ligands. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 218-221. | 13.8 | 103 |
| 3 | Stoichiometric Hydrosilylation of Nitriles with Hydrido(hydrosilylene)tungsten Complexes: $\text{W}^{\text{IV}}\text{Si}^{\text{IV}}\text{N}$ Three-Membered Ring Complexes and Their Unique Thermal Behaviors. <i>Journal of the American Chemical Society</i> , 2006, 128, 2176-2177. | 13.7 | 78 |
| 4 | Direct Evidence for Extremely Facile 1,2- and 1,3-Group Migrations in an FeSi_2 System. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 221-224. | 13.8 | 74 |
| 5 | Cluster Expansion Reactions of Group 6 Metallaboranes. Syntheses, Crystal Structures, and Spectroscopic Characterizations of $(\text{Cp}^*\text{Cr})_2\text{B}_5\text{H}_9$, $(\text{Cp}^*\text{Cr})_2\text{B}_4\text{H}_8\text{Fe}(\text{CO})_3$, $(\text{Cp}^*\text{Cr})_2\text{B}_4\text{H}_7\text{Co}(\text{CO})_3$, and $(\text{Cp}^*\text{Mo})_2\text{B}_5\text{H}_9\text{Fe}(\text{CO})_3$. <i>Inorganic Chemistry</i> , 1998, 37, 928-940. | 4.0 | 72 |
| 6 | Formation of a Germlyne Complex: Dehydrogenation of a Hydrido(hydrogermylene)tungsten Complex with Mesityl Isocyanate. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2930-2933. | 13.8 | 55 |
| 7 | Synthesis and X-ray Structure of a Platinum(II)-Disilene Complex. <i>Organometallics</i> , 2002, 21, 454-456. | 2.3 | 50 |
| 8 | Stoichiometric Hydrosilylation of Nitriles and Catalytic Hydrosilylation of Imines and Ketones Using a $\text{W}^{\text{IV}}\text{Si}^{\text{IV}}$ -Silane Diruthenium Complex. <i>Organometallics</i> , 2003, 22, 2199-2201. | 2.3 | 49 |
| 9 | Synthesis of a Tungsten(IV)-Silylyne Complex via Stepwise Proton and Hydride Abstraction from a Hydrido Hydrosilylene Complex. <i>Organometallics</i> , 2016, 35, 921-924. | 2.3 | 42 |
| 10 | Reactions of a Neutral Silylene Ruthenium Complex with Heterocumulenes: $\text{C}=\text{O}$ Hydrosilylation of Isocyanates vs $\text{C}=\text{S}$ Bond Cleavage of Isothiocyanate. <i>Organometallics</i> , 2012, 31, 527-530. | 2.3 | 39 |
| 11 | Stabilization of a Silaldehyde by its σ Coordination to Tungsten. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 188-192. | 13.8 | 39 |
| 12 | Reactions of a Silyl(silylene)iron Complex with Nitriles: $\text{C}=\text{C}$ Carbon-Carbon Bond Cleavage of Nitriles by the Transiently Generated Disilanyliron(II) Intermediate. <i>Organometallics</i> , 2006, 25, 472-476. | 2.3 | 38 |
| 13 | Synthesis and Structure of a Hydrido(hydrogermylene)tungsten Complex and Its Reactions with Nitriles and Ketones. <i>Chemistry Letters</i> , 2009, 38, 1196-1197. | 1.3 | 38 |
| 14 | Hydrido(hydrosilylene)tungsten Complexes: Dynamic Behavior and Reactivity Toward Acetone. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1408-1416. | 3.3 | 37 |
| 15 | Recent advances in the chemistry of transition metal(IV)-silicon/germanium triple-bonded complexes. <i>Coordination Chemistry Reviews</i> , 2018, 355, 362-379. | 18.8 | 36 |
| 16 | Persistent Tris(t-butyl)dimethylsilyl)silyl Radical and Its New Generation Methods. <i>Chemistry Letters</i> , 1998, 27, 1097-1098. | 1.3 | 35 |
| 17 | Reactions of a hydrido(hydrosilylene)ruthenium complex with carbonyl compounds. <i>Dalton Transactions</i> , 2009, , 1812. | 3.3 | 35 |
| 18 | Comparison of structures between platinum and palladium complexes of a tetrasilyldisilene. <i>Canadian Journal of Chemistry</i> , 2003, 81, 1241-1245. | 1.1 | 34 |

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|----|--|------|-----------|
| 19 | Reactions of Hydrido(hydrosilylene)tungsten Complexes with η^2 -Unsaturated Carbonyl Compounds: Selective Formation of η^3 -Siloxyallyl)tungsten Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 11338-11339. | 13.7 | 34 |
| 20 | A Silylyne Tungsten Complex Having an Eind Group on Silicon: Its Dimer \rightleftharpoons Monomer Equilibrium and Cycloaddition Reactions with Carbodiimide and Diaryl Ketones. <i>Organometallics</i> , 2016, 35, 3444-3447. | 2.3 | 34 |
| 21 | Clusters as Ligands. Coordination of an Electronically Unsaturated Chromaborane to an Iron Tricarbonyl Fragment. <i>Journal of the American Chemical Society</i> , 1996, 118, 8164-8165. | 13.7 | 33 |
| 22 | Iron Complexes of (E)- and (Z)-1,2-Dichlorodisilenes. <i>Journal of the American Chemical Society</i> , 2004, 126, 13628-13629. | 13.7 | 33 |
| 23 | Redistribution reactions of hydrosilanes mediated by the unsymmetrical and homometallic phosphido-bridged complex $(\eta^5\text{-C}_5\text{Me}_5)_2\text{Fe}_2(\text{CO})_4(\eta^4\text{-CO})(\eta^4\text{-PPh}_2)$. <i>Journal of Organometallic Chemistry</i> , 1995, 499, 205-211. | 1.8 | 32 |
| 24 | Reactions of an Electronically Unsaturated Chromaborane. Coordination of CS ₂ to $(\eta^5\text{-C}_5\text{Me}_5)_2\text{Cr}_2\text{B}_4\text{H}_8$ and Its Hydroboration to a Methanedithiolato Ligand. <i>Organometallics</i> , 1996, 15, 1963-1965. | 2.3 | 31 |
| 25 | Nonphotochemical Synthesis of a Base-free Silyl(silylene)iron Complex and Its Reaction with CO: Another Direct Evidence for Reversible 1,2- and 1,3-Group Migrations. <i>Chemistry Letters</i> , 2005, 34, 1374-1375. | 1.3 | 26 |
| 26 | Reactions of a hydrido(hydrosilylene)tungsten complex with oxiranes. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 36-43. | 1.8 | 25 |
| 27 | Reactions of a tungsten \rightleftharpoons germylyne complex with alcohols and arylaldehydes. <i>Chemical Communications</i> , 2013, 49, 4232-4234. | 4.1 | 25 |
| 28 | Cp*TaCl ₂ B ₄ H ₈ : synthesis, crystal structure and spectroscopic characterization of an air-stable, electronically unsaturated, chiral tantalaborane. <i>Chemical Communications</i> , 1998, , 207-208. | 4.1 | 24 |
| 29 | Synthesis and Properties of a Silyl(silylene)ruthenium Complex: Activation Barrier of the Ru \bullet Si Bond Rotation and Facile Replacement of the Methyl Groups with Alkoxy Groups of a Silyl Ligand. <i>Organometallics</i> , 2009, 28, 3963-3965. | 2.3 | 24 |
| 30 | Experimental and Theoretical Study of a Tungsten Dihydride Silyl Complex: New Insight into Its Bonding Nature and Fluxional Behavior. <i>Organometallics</i> , 2010, 29, 6267-6281. | 2.3 | 23 |
| 31 | Unexpected Formation of NHC-Stabilized Hydrosilylyne Complexes via Alkane Elimination from NHC-Stabilized Hydrido(alkylsilylene) Complexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 10906-10909. | 13.7 | 22 |
| 32 | An iron germylyne complex having Fe \rightleftharpoons H and Ge \rightleftharpoons H bonds: synthesis, structure and reactivity. <i>Dalton Transactions</i> , 2017, 46, 8167-8179. | 3.3 | 22 |
| 33 | NHC-induced conversion of a W \rightleftharpoons Ge double bond into the triple bond through formation of W \rightleftharpoons Ge single and double bonded intermediates. <i>Journal of Organometallic Chemistry</i> , 2017, 848, 89-94. | 1.8 | 22 |
| 34 | Synthesis of the 1,2,3,4-tetramethylfulvene-bridged diiron complex $(\eta^1\text{-}:\eta^1\text{-}5\text{-CH}_2\text{C}_5\text{Me}_4)_2\text{Fe}_2(\text{CO})_6$ and its reactions with phosphines. <i>Organometallics</i> , 1993, 12, 2182-2187. | 2.3 | 21 |
| 35 | Isolation of a Hydrogen-Bridged Bis(silylene) Tungsten Complex: A Snapshot of a Transition State for 1,3-Hydrogen Migration. <i>Journal of the American Chemical Society</i> , 2015, 137, 158-161. | 13.7 | 21 |
| 36 | Interconversion among η^3 -Silylyne, η^3 -Silyl, and η^3 -Silane Diruthenium Complexes in the Presence of Dihydrosilane. <i>Organometallics</i> , 2002, 21, 1534-1536. | 2.3 | 20 |

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|----|---|------|-----------|
| 37 | Synthesis of a Molybdenum Hydrido(hydrogermylene) Complex and Its Conversion to a Germylyne Complex: Another Route through Dehydrogenation with Nitriles. <i>Organometallics</i> , 2020, 39, 4350-4361. | 2.3 | 20 |
| 38 | Reactions of a hydrido(hydrogermylene)tungsten complex with some heterocumulenes: hydrogermylation and thermal rearrangement. <i>New Journal of Chemistry</i> , 2010, 34, 1723. | 2.8 | 19 |
| 39 | Synthesis of η^5 -Phosphido Diiron Complexes Having a σ -H Bond: Hydrophosphination of Phenylacetylene and Methyl Acrylate with the Cationic η^5 -Phosphido Diiron Complex. <i>Organometallics</i> , 2005, 24, 1099-1104. | 2.3 | 18 |
| 40 | Synthesis and Characterization of Triplet Germylene-bridged Diiron Complexes and Singlet Stannylene-bridged Diiron Complexes. <i>Chemistry Letters</i> , 2004, 33, 112-113. | 1.3 | 17 |
| 41 | Reactions of a Tungsten-Germylyne Complex with η^2 -Unsaturated Ketones: Complete Cleavage of the W-Ge Bond and Formation of Two Types of η^3 -Germylyl Tungsten Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 80-83. | 13.7 | 17 |
| 42 | Transition-metal Complexes with Triple Bonds to Si, Ge, Sn, and Pb and Relevant Complexes. <i>Chemistry Letters</i> , 2021, 50, 778-787. | 1.3 | 15 |
| 43 | Synthesis, characterization, and photoreactions of 1,2-disiladigermacyclobutane. <i>Heteroatom Chemistry</i> , 2001, 12, 398-405. | 0.7 | 14 |
| 44 | Synthesis, structure, and fluxional behavior of 1,2,3,4-tetramethylfulvene-bridged diruthenium complexes. <i>Inorganica Chimica Acta</i> , 2003, 350, 347-354. | 2.4 | 13 |
| 45 | Reactions of a phosphido-bridged unsymmetrical diiron complex $(\eta^5\text{-C}_5\text{Me}_5)\text{Fe}_2(\text{CO})_4(\eta^5\text{-CO})(\eta^5\text{-PPh}_2)$ with various alkynes. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 1481-1495. | 1.8 | 11 |
| 46 | Synthesis of η^2 -cyclooctene iridium and rhodium complexes supported by a novel P,N-chelate ligand and their reactivity toward hydrosilanes: facile Cl migration from metal to silicon via silylene complex intermediates and formation of a base-stabilised silylene complex. <i>Dalton Transactions</i> , 2010, 39, 9386. | 3.3 | 11 |
| 47 | Reactions of a Silylyne Complex with Aldehydes: Formation of W-Si-O-C Four-Membered Metallacycles and Their Metathesis-Like Fragmentation. <i>Chemistry - A European Journal</i> , 2019, 25, 3795-3798. | 3.3 | 11 |
| 48 | Synthesis and structural characterization of mesitylphosphinidene-capped ruthenium and osmium clusters. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 726-736. | 1.8 | 10 |
| 49 | Rhodium-catalyzed P-P bond exchange reaction of diphosphine disulfides. <i>Chemical Communications</i> , 2016, 52, 13580-13583. | 4.1 | 10 |
| 50 | Selective and Stepwise Bromodemethylation of the Silyl Ligand in Iron(II) Silyl Complexes with Boron Tribromide. <i>Organometallics</i> , 2004, 23, 4150-4153. | 2.3 | 8 |
| 51 | Substituent Effects on Catalytic Synthesis and Properties of Poly(phenylsilane). <i>Chemistry Letters</i> , 2000, 29, 188-189. | 1.3 | 7 |
| 52 | Catalysts for Regio- and Stereoselective $\text{C}(\text{sp}^3)\text{-H}$ Deuteration of Tricyclohexylphosphine with Benzene- d_6 Generated via Dehydrochlorination of Chlorido(dihydrido)iridium Complexes Containing a Xanthene-Based Bis(silyl) Chelate Ligand. <i>Organometallics</i> , 2021, 40, 3113-3123. | 2.3 | 7 |
| 53 | Iridium and rhodium complexes bearing a silyl-bipyridine pincer ligand: synthesis, structures and catalytic activity for C-H borylation of arenes. <i>Dalton Transactions</i> , 2022, 51, 9983-9987. | 3.3 | 7 |
| 54 | C-C Bond Formation between $(\eta^5\text{-CH}_2\text{C}_5\text{Me}_4)\text{Fe}_2(\text{CO})_6$ and CS_2 To Give the Triiron Complex $\{(\eta^5\text{-C}_5\text{Me}_4)\text{CH}_2\text{CS}_2\}\text{Fe}_3(\text{CO})_8$. <i>Organometallics</i> , 1994, 13, 1055-1057. | 2.3 | 6 |

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|----|---|-----|-----------|
| 55 | Hydrogen-bridged bis(silylene) complexes of ruthenium and iron: synthesis, structures and multi-centre bonding interactions at the $\text{M}^{\mu}\text{Si}^{\mu}\text{H}^{\mu}\text{Si}$ four-membered ring. Dalton Transactions, 2017, 46, 8701-8704. | 3.3 | 6 |
| 56 | Products of [2+2] Cycloaddition between a W^{μ}Si Triple-bonded Complex and Alkynes: Isolation, Structure, and Non-classical Bonding Interaction. Chemistry Letters, 2020, 49, 311-314. | 1.3 | 6 |
| 57 | Linking of phosphinidene-capped triruthenium carbonyl clusters with diphosphine ligands. Inorganica Chimica Acta, 2015, 425, 7-10. | 2.4 | 2 |
| 58 | Heavier Analogs of Carbene Complexes: Syntheses of a New Type of Silylene and Germylene Complexes and Their Reactions with Unsaturated Organic Compounds. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2012, 70, 131-141. | 0.1 | 2 |
| 59 | Metal-Ion Induced Intramolecular Charge-Transfer Fluorescence of <i>p</i> -Pentamethylsilylacetophenone. Chemistry Letters, 2002, 31, 242-243. | 1.3 | 1 |