

Hisako Hashimoto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2226492/publications.pdf>

Version: 2024-02-01

59
papers

1,748
citations

218677

26
h-index

302126

39
g-index

64
all docs

64
docs citations

64
times ranked

758
citing authors

#	ARTICLE	IF	CITATIONS
1	Iridium and rhodium complexes bearing a silyl-bipyridine pincer ligand: synthesis, structures and catalytic activity for C-H borylation of arenes. Dalton Transactions, 2022, 51, 9983-9987.	3.3	7
2	Transition-metal Complexes with Triple Bonds to Si, Ge, Sn, and Pb and Relevant Complexes. Chemistry Letters, 2021, 50, 778-787.	1.3	15
3	Catalysts for Regio- and Stereoselective C(sp ³) ⁶ -H Deuteration of Tricyclohexylphosphine with Benzene- <i>d</i> ₆ Generated via Dehydrochlorination of Chlorido(dihydrido)iridium Complexes Containing a Xanthene-Based Bis(silyl) Chelate Ligand. Organometallics, 2021, 40, 3113-3123.	2.3	7
4	Synthesis of a Molybdenum Hydrido(hydrogermylene) Complex and Its Conversion to a Germylene Complex: Another Route through Dehydrogenation with Nitriles. Organometallics, 2020, 39, 4350-4361.	2.3	20
5	Products of [2+2] Cycloaddition between a W ₂ Si Triple-bonded Complex and Alkynes: Isolation, Structure, and Non-classical Bonding Interaction. Chemistry Letters, 2020, 49, 311-314.	1.3	6
6	Reactions of a Silylyne Complex with Aldehydes: Formation of W-Si-O-C Four-Membered Metallacycles and Their Metathesis-Like Fragmentation. Chemistry - A European Journal, 2019, 25, 3795-3798.	3.3	11
7	Recent advances in the chemistry of transition metal-silicon/germanium triple-bonded complexes. Coordination Chemistry Reviews, 2018, 355, 362-379.	18.8	36
8	An iron germylene complex having Fe-H and Ge-H bonds: synthesis, structure and reactivity. Dalton Transactions, 2017, 46, 8167-8179.	3.3	22
9	Hydrogen-bridged bis(silylene) complexes of ruthenium and iron: synthesis, structures and multi-centre bonding interactions at the M-Si-H-Si four-membered ring. Dalton Transactions, 2017, 46, 8701-8704.	3.3	6
10	NHC-induced conversion of a W-Ge double bond into the triple bond through formation of W-Ge single and double bonded intermediates. Journal of Organometallic Chemistry, 2017, 848, 89-94.	1.8	22
11	Synthesis of a Tungsten-Silylyne Complex via Stepwise Proton and Hydride Abstraction from a Hydrido Hydrosilylene Complex. Organometallics, 2016, 35, 921-924.	2.3	42
12	Stabilization of a Silaldehyde by its η^2 Coordination to Tungsten. Angewandte Chemie - International Edition, 2016, 55, 188-192.	13.8	39
13	A Silylyne Tungsten Complex Having an Eind Group on Silicon: Its Dimer-Monomer Equilibrium and Cycloaddition Reactions with Carbodiimide and Diaryl Ketones. Organometallics, 2016, 35, 3444-3447.	2.3	34
14	Rhodium-catalyzed P-P bond exchange reaction of diphosphine disulfides. Chemical Communications, 2016, 52, 13580-13583.	4.1	10
15	Isolation of a Hydrogen-Bridged Bis(silylene) Tungsten Complex: A Snapshot of a Transition State for 1,3-Hydrogen Migration. Journal of the American Chemical Society, 2015, 137, 158-161.	13.7	21
16	Unexpected Formation of NHC-Stabilized Hydrosilylyne Complexes via Alkane Elimination from NHC-Stabilized Hydrido(alkylsilylene) Complexes. Journal of the American Chemical Society, 2015, 137, 10906-10909.	13.7	22
17	Linking of phosphinidene-capped triruthenium carbonyl clusters with diphosphine ligands. Inorganica Chimica Acta, 2015, 425, 7-10.	2.4	2
18	Reactions of a Tungsten-Germylene Complex with η^2 -Unsaturated Ketones: Complete Cleavage of the W ₂ Ge Bond and Formation of Two Types of η^3 -Germylyl Tungsten Complexes. Journal of the American Chemical Society, 2014, 136, 80-83.	13.7	17

#	ARTICLE	IF	CITATIONS
19	Reactions of a tungsten-germylene complex with alcohols and arylaldehydes. <i>Chemical Communications</i> , 2013, 49, 4232-4234.	4.1	25
20	Reactions of a Neutral Silylene Ruthenium Complex with Heterocumulenes: C=O Hydrosilylation of Isocyanates vs C-S Bond Cleavage of Isothiocyanate. <i>Organometallics</i> , 2012, 31, 527-530.	2.3	39
21	Formation of a Germylene Complex: Dehydrogenation of a Hydrido(hydrogermylene)tungsten Complex with Mesityl Isocyanate. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2930-2933.	13.8	55
22	Hydrido(hydrosilylene)tungsten Complexes: Dynamic Behavior and Reactivity Toward Acetone. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1408-1416.	3.3	37
23	Heavier Analogs of Carbene Complexes: Syntheses of a New Type of Silylene and Germylene Complexes and Their Reactions with Unsaturated Organic Compounds. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2012, 70, 131-141.	0.1	2
24	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
25	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
26	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
27	Synthesis and Properties of a Silyl(silylene)ruthenium Complex: Activation Barrier of the Ru-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
28	Reactions of a hydrido(hydrosilylene)ruthenium complex with carbonyl compounds. <i>Dalton Transactions</i> , 2009, , 1812.	3.3	35
29	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
30	Reactions of Hydrido(hydrosilylene)tungsten Complexes with η^2 -Unsaturated Carbonyl Compounds: Selective Formation of $(\eta^3\text{-Siloxallyl})\text{tungsten}$ Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 11338-11339.	13.7	34
31	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
32	Reactions of a hydrido(hydrosilylene)tungsten complex with oxiranes. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 36-43.	1.8	25
33	Reactions of a Silyl(silylene)iron Complex with Nitriles: Carbon-Carbon Bond Cleavage of Nitriles by the Transiently Generated Disilanyliron(II) Intermediate. <i>Organometallics</i> , 2006, 25, 472-476.	2.3	38
34	Stoichiometric Hydrosilylation of Nitriles with Hydrido(hydrosilylene)tungsten Complexes: Formation of W-Si-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
35	Synthesis and structural characterization of mesitylphosphinidene-capped ruthenium and osmium clusters. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 726-736.	1.8	10
36	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

#	ARTICLE	IF	CITATIONS
37	Synthesis of η^5 -Phosphido Diiron Complexes Having a $\text{P}^{\delta-}\text{H}^{\delta+}$ Bond: η^5 -Hydrophosphination of Phenylacetylene and Methyl Acrylate with the Cationic η^5 -Phosphido Diiron Complex. <i>Organometallics</i> , 2005, 24, 1099-1104.	2.3	18
38	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
39	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
40	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
41	Iron Complexes of (E)- and (Z)-1,2-Dichlorodisilenes. <i>Journal of the American Chemical Society</i> , 2004, 126, 13628-13629.	13.7	33
42	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
43	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
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	Comparison of structures between platinum and palladium complexes of a tetrasilyldisilene. <i>Canadian Journal of Chemistry</i> , 2003, 81, 1241-1245.	1.1	34
46	Stoichiometric Hydrosilylation of Nitriles and Catalytic Hydrosilylation of Imines and Ketones Using a η^5 -Silane Diruthenium Complex. <i>Organometallics</i> , 2003, 22, 2199-2201.	2.3	49
47	Metal-Ion Induced Intramolecular Charge-Transfer Fluorescence of <i>p</i> -Pentamethyldisilanylacetophenone. <i>Chemistry Letters</i> , 2002, 31, 242-243.	1.3	1
48	Interconversion among η^5 -Silylene, η^5 -Silyl, and η^5 -Silane Diruthenium Complexes in the Presence of Dihydrosilane. <i>Organometallics</i> , 2002, 21, 1534-1536.	2.3	20
49	Synthesis and X-ray Structure of a Platinum η^2 -Disilene Complex. <i>Organometallics</i> , 2002, 21, 454-456.	2.3	50
50	Synthesis, characterization, and photoreactions of 1,2-disiladigermacyclobutane. <i>Heteroatom Chemistry</i> , 2001, 12, 398-405.	0.7	14
51	Substituent Effects on Catalytic Synthesis and Properties of Poly(phenylsilane). <i>Chemistry Letters</i> , 2000, 29, 188-189.	1.3	7
52	$\text{Cp}^*\text{TaCl}_2\text{B}_4\text{H}_8$: synthesis, crystal structure and spectroscopic characterization of an air-stable, electronically unsaturated, chiral tantalaborane. <i>Chemical Communications</i> , 1998, , 207-208.	4.1	24
53	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
54	Persistent Tris(<i>t</i> -butyldimethylsilyl)silyl Radical and Its New Generation Methods. <i>Chemistry Letters</i> , 1998, 27, 1097-1098.	1.3	35

#	ARTICLE	IF	CITATIONS
55	Reactions of an Electronically Unsaturated Chromaborane. Coordination of CS ₂ to (̂-5-C5Me5)2Cr2B4H8 and Its Hydroboration to a Methanedithiolato Ligand. <i>Organometallics</i> , 1996, 15, 1963-1965.	2.3	31
56	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
57	Redistribution reactions of hydrosilanes mediated by the unsymmetrical and homometallic phosphido-bridged complex (̂-5-C5Me5)Fe ₂ (CO) ₄ (̂-4-CO)(̂-4-PPh ₂). <i>Journal of Organometallic Chemistry</i> , 1995, 1.8 499, 205-211.		32
58	C-C Bond Formation between (̂-1:̂-5-CH ₂ C5Me ₄)Fe ₂ (CO) ₆ and CS ₂ To Give the Triiron Complex {(̂-5-C5Me ₄)CH ₂ CS ₂ }Fe ₃ (CO) ₈ . <i>Organometallics</i> , 1994, 13, 1055-1057.	2.3	6
59	Synthesis of the 1,2,3,4-tetramethylfulvene-bridged diiron complex (̂-1:̂-5-CH ₂ C5Me ₄)Fe ₂ (CO) ₆ and its reactions with phosphines. <i>Organometallics</i> , 1993, 12, 2182-2187.	2.3	21