

Yun Xiong

List of Publications by Year in descending order

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papers

3,638
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147801
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1373
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#	ARTICLE	IF	CITATIONS
1	Unexpected White Phosphorus (P ₄) Activation Modes with Silylene-Substituted Carboranes and Access to an Isolable 1,3-Diphospha-2,4-disilabutadiene. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	6
2	Unexpected White Phosphorus (P ₄) Activation Modes with Silylene-Substituted Carboranes and Access to an Isolable 1,3-Diphospha-2,4-disilabutadiene. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	21
3	Entering new chemical space with isolable complexes of single, zero-valent silicon and germanium atoms. <i>Chemical Communications</i> , 2021, 57, 10139-10153.	4.1	36
4	New Types of Ge ₂ and Ge ₄ Assemblies Stabilized by a Carbanionic Dicarborandiyl-Silylene Ligand. <i>Journal of the American Chemical Society</i> , 2021, 143, 6229-6237.	13.7	26
5	Changing the Reactivity of Zero- and Mono-Valent Germanium with a Redox Non-Innocent Bis(silylenyl)carborane Ligand. <i>Angewandte Chemie</i> , 2021, 133, 14990-14994.	2.0	14
6	Changing the Reactivity of Zero- and Mono-Valent Germanium with a Redox Non-Innocent Bis(silylenyl)carborane Ligand. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14864-14868.	13.8	38
7	Distinctly different reactivity of bis(silylenyl)- versus phosphanyl-silylenyl-substituted -dicarborane towards O ₂ , N ₂ O and CO ₂ . <i>Chemical Communications</i> , 2021, 57, 5965-5968.	4.1	16
8	Homocoupling of CO and isocyanide mediated by a <i>C</i> , <i>C</i> -bis(silylenyl)-substituted ortho-carborane. <i>Chemical Communications</i> , 2020, 56, 747-750.	4.1	53
9	Bis(silylene)-Stabilized Monovalent Nitrogen Biscomplexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22043-22047.	13.8	31
10	Bis(silylene)-Stabilized Monovalent Nitrogen Complexes. <i>Angewandte Chemie</i> , 2020, 132, 22227-22231.	2.0	9
11	Redox Noninnocent Monoatomic Silicon(0) Complex (silylone): Its One-Electron-Reduction Induces an Intramolecular One-Electron-Oxidation of Silicon(0) to Silicon(I). <i>Journal of the American Chemical Society</i> , 2020, 142, 12608-12612.	13.7	63
12	An isolable $\hat{1}^2$ -diketiminato chlorosilylene. <i>Dalton Transactions</i> , 2018, 47, 2152-2155.	3.3	14
13	Innen-1/4cktitelbild: An Isolable Silicon Dicarborate Complex from Carbon Dioxide Activation with a Silylone (<i>Angew. Chem.</i> 7/2017). <i>Angewandte Chemie</i> , 2017, 129, 1957-1957.	2.0	0
14	An Isolable Silicon Dicarborate Complex from Carbon Dioxide Activation with a Silylone. <i>Angewandte Chemie</i> , 2017, 129, 1920-1923.	2.0	20
15	An Isolable Silicon Dicarborate Complex from Carbon Dioxide Activation with a Silylone. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1894-1897.	13.8	44
16	Taming Silicon Congeners of CO and CO ₂ : Synthesis of Monomeric Si ^{II} and Si ^{IV} Chalcogenide Complexes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6298-6301.	13.8	23
17	Unexpected Photodegradation of a Phosphaketeny-Substituted Germyliumylidene Borate Complex. <i>Angewandte Chemie</i> , 2017, 129, 4397-4400.	2.0	47
18	Taming Silicon Congeners of CO and CO ₂ : Synthesis of Monomeric Si ^{II} and Si ^{IV} Chalcogenide Complexes. <i>Angewandte Chemie</i> , 2017, 129, 6395-6398.	2.0	8

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19	Unexpected Photodegradation of a Phosphaketonyl-Substituted Germyliumylidene Borate Complex. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4333-4336.	13.8	85
20	A New Area in Main-Group Chemistry: Zerovalent Monoatomic Silicon Compounds and Their Analogues. <i>Accounts of Chemical Research</i> , 2017, 50, 2026-2037.	15.6	98
21	From a Phosphaketonyl-Functionalized Germylene to 1,3-Digerma-2,4-diphosphacyclobutadiene. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4781-4785.	13.8	103
22	From a Phosphaketonyl-Functionalized Germylene to 1,3-Digerma-2,4-diphosphacyclobutadiene. <i>Angewandte Chemie</i> , 2016, 128, 4859-4863.	2.0	55
23	Heavier congeners of CO and CO ₂ as ligands: from zero-valent germanium (â€˜germyloneâ€™™) to isolable monomeric GeX and GeX ₂ complexes (X = S, Se, Te). <i>Chemical Science</i> , 2016, 7, 5462-5469.	7.4	45
24	Facile Rearrangement of a Bis(N-heterocyclic carbene)borate Chelate Ligand and Access to [GeX] ⁺ Complexes (X = H, Cl). <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2377-2380.	2.0	15
25	From Silylone to an Isolable Monomeric Silicon Disulfide Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10254-10257.	13.8	45
26	Synthesis and structure of the azidogermyliumylidene azide complex [L(N ₃)Ge:] ⁺ N ₃ ⁻ with covalently and ionically bonded azide ligands at germanium(L = bis(N-heterocyclic carbene)). <i>Chemical Communications</i> , 2014, 50, 418-420.	4.1	8
27	Synthesis and Unexpected Reactivity of Germyliumylidene Hydride [GeH] ⁺ Stabilized by a Bis(N-heterocyclic carbene)borate Ligand. <i>Journal of the American Chemical Society</i> , 2014, 136, 11300-11303.	13.7	64
28	A Cyclic Germa-dicarbene (â€˜germyloneâ€™) from Germyliumylidene. <i>Journal of the American Chemical Society</i> , 2013, 135, 5004-5007.	13.7	210
29	Chemical Tricks To Stabilize Silanones and Their Heavier Homologues with E-Si-O Bonds (E=Si-Pb): From Elusive Species to Isolable Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4302-4311.	13.8	135
30	A Cyclic Silylone (â€˜siladibeneâ€™) with an Electron-Rich Silicon(0) Atom. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7147-7150.	13.8	237
31	Coordination of N-Heterocyclic Carbene to H ₂ SiX ₂ (X = Cl, OTf) and H ₃ SiOTf (OTf = OSO ₂ CF ₃): Synthesis of Donor-stabilized Parent Silylium Salts with Four- and Five-coordinate Silicon Atoms. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013, 68, 445-452.	0.7	18
32	Taming the germyliumylidene [ClGe] ⁺ and germathionium [ClGeS] ⁺ ions by donor-acceptor stabilization using 1,8-bis(tributylphosphazenylnaphthalene). <i>Chemical Communications</i> , 2012, 48, 12198.	4.1	49
33	The Elusive Silyliumylidene [ClSi] ⁺ and Silathionium [ClSiS] ⁺ Cations Stabilized by Bis(Iminophosphorane) Chelate Ligand. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10074-10077.	13.8	82
34	Synthesis and Tunable Reactivity of N-Heterocyclic Germylene. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2145-2150.	3.3	20
35	Versatile Conversion of N-Heterocyclic Silylene to Silyl Metal Compounds by Insertion of Divalent Silicon into Metal-Carbon and Metal-Hydrogen Bonds. <i>Chemistry - A European Journal</i> , 2012, 18, 3316-3320.	3.3	31
36	Zwitterionic and Donor-Stabilized N-Heterocyclic Silylenes (NHSis) for Metal-Free Activation of Small Molecules. <i>Organometallics</i> , 2011, 30, 1748-1767.	2.3	368

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37	From a Stable Silanone Complex to Isolable, Donor-Supported Siloxonium Halides [LSi(dmap) ₃ SiMe ₃] ⁺ X ⁻ . Chemistry - A European Journal, 2011, 17, 3.3 11274-11279.		36
38	Synthesis and Rearrangement of Stable NHC-Silylene Adducts and Their Unique Reactivity towards Cyclohexylisocyanide. Chemistry - an Asian Journal, 2010, 5, 322-327.	3.3	32
39	From silicon(II)-based dioxygen activation to adducts of elusive dioxasiliranes and sila-ureas stable at room temperature. Nature Chemistry, 2010, 2, 577-580.	13.6	140
40	Isomerization of an N-Heterocyclic Germylene to an Azagermabenzen-1-ylidene and Its Coupling to a Unique Bis(germylene). Organometallics, 2010, 29, 5353-5357.	2.3	21
41	Activation of Ammonia by a Si=O Double Bond and Formation of a Unique Pair of Sila-Hemiaminal and Silanoic Amide Tautomers. Journal of the American Chemical Society, 2010, 132, 6912-6913.	13.7	106
42	Coordination of a Si=O subunit to metals: complexes of donor-stabilized silanone featuring a terminal Si=O ⁺ M coordination (M = Zn, Al). Dalton Transactions, 2010, 39, 9282.	3.3	55
43	Versatile Reactivity of a Zwitterionic Isolable Silylene toward Ketones: Silicon-Mediated, Regio- and Stereoselective C-H Activation. Chemistry - A European Journal, 2009, 15, 5545-5551.	3.3	67
44	Striking Reactivity of a Stable, Zwitterionic Silylene Towards Substituted Diazomethanes, Azides, and Isocyanides. Chemistry - A European Journal, 2009, 15, 8542-8547.	3.3	49
45	A Zwitterionic Silylene as Reactive Intermediate and Its Unusual Dimerization to an N-Heterobicyclic Disilane. Chemistry - an Asian Journal, 2009, 4, 1323-1328.	3.3	13
46	An Isolable NHC-Supported Silanone. Journal of the American Chemical Society, 2009, 131, 7562-7563.	13.7	238
47	From an N-Heterocyclic Silacyclopropene to Donor-Supported Silacyclopropenylum Cations. Organometallics, 2009, 28, 1610-1612.	2.3	29
48	Reactivity of a Zwitterionic Stable Silylene toward Halosilanes and Haloalkanes. Organometallics, 2009, 28, 1927-1933.	2.3	58
49	Twice silicon-induced C-H activation and tautomerisation of a β^2 -diketiminato ligand and formation of new types of N-heterocyclic silanes. Dalton Transactions, 2009, , 421-423.	3.3	15
50	An Isolable Silanoic Ester by Oxygenation of a Stable Silylene. Journal of the American Chemical Society, 2007, 129, 7268-7269.	13.7	141
51	Consecutive Insertion of a Silylene into the P ₄ Tetrahedron: Facile Access to Strained SiP ₄ and Si ₂ P ₄ Cage Compounds. Angewandte Chemie - International Edition, 2007, 46, 4511-4513.	13.8	167