

Yun Xiong

List of Publications by Year in descending order

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51
papers

3,638
citations

147801

31
h-index

138484

58
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61
all docs

61
docs citations

61
times ranked

1373
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	An Isolable NHC-Supported Silanone. <i>Journal of the American Chemical Society</i> , 2009, 131, 7562-7563.	13.7	238
3	A Cyclic Silylone (â€œSiladicarbeneâ€) with an Electronâ€Rich Silicon(0) Atom. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7147-7150.	13.8	237
4	A Cyclic Germa-dicarbene (â€œGermyloneâ€) from Germyliumylidene. <i>Journal of the American Chemical Society</i> , 2013, 135, 5004-5007.	13.7	210
5	Consecutive Insertion of a Silylene into the P4 Tetrahedron: Facile Access to Strained SiP4 and Si2P4 Cage Compounds. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4511-4513.	13.8	167
6	An Isolable Silanoic Ester by Oxygenation of a Stable Silylene. <i>Journal of the American Chemical Society</i> , 2007, 129, 7268-7269.	13.7	141
7	From silicon(II)-based dioxygen activation to adducts of elusive dioxasiliranes and sila-ureas stable at room temperature. <i>Nature Chemistry</i> , 2010, 2, 577-580.	13.6	140
8	Chemical Tricks To Stabilize Silanones and Their Heavier Homologues with Eâ€Siâ€Pb Bonds (E=Siâ€Pb): From Elusive Species to Isolable Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4302-4311.	13.8	135
9	Activation of Ammonia by a Siâ€O Double Bond and Formation of a Unique Pair of Sila-Hemiaminal and Silanoic Amide Tautomers. <i>Journal of the American Chemical Society</i> , 2010, 132, 6912-6913.	13.7	106
10	From a Phosphaketonylâ€Functionalized Germylene to 1,3â€Digermaâ€2,4â€diphosphacyclobutadiene. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4781-4785.	13.8	103
11	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
12	Unexpected Photodegradation of a Phosphaketonylâ€Substituted Germyliumylidene Borate Complex. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4333-4336.	13.8	85
13	The Elusive Silyliumylidene [ClSi:] ⁺ and Silathionium [ClSiâ€3/4S] ⁺ Cations Stabilized by Bis(Iminophosphorane) Chelate Ligand. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10074-10077.	13.8	82
14	Versatile Reactivity of a Zwitterionic Isolable Silylene toward Ketones: Siliconâ€Mediated, Regioâ€and Stereoselective Câ€H Activation. <i>Chemistry - A European Journal</i> , 2009, 15, 5545-5551.	3.3	67
15	Synthesis and Unexpected Reactivity of Germyliumylidene Hydride [GeH] ⁺ Stabilized by a Bis(<i>N</i> -heterocyclic carbene)borate Ligand. <i>Journal of the American Chemical Society</i> , 2014, 136, 11300-11303.	13.7	64
16	Redox Noninnocent Monoatomic Silicon(0) Complex (â€œSilyloneâ€): 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
17	Reactivity of a Zwitterionic Stable Silylene toward Halosilanes and Haloalkanes. <i>Organometallics</i> , 2009, 28, 1927-1933.	2.3	58
18	Coordination of a Siâ€O subunit to metals: complexes of donor-stabilized silanone featuring a terminal Siâ€Oâ€M coordination (M = Zn, Al). <i>Dalton Transactions</i> , 2010, 39, 9282.	3.3	55

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19	From a Phosphaketonylâ€Functionalized Germylene to 1,3â€Digermaâ€2,4â€diphosphacyclobutadiene. <i>Angewandte Chemie</i> , 2016, 128, 4859-4863.	2.0	55
20	Homocoupling of CO and isocyanide mediated by a <i><i>C</i></i> , <i><i>C</i></i> â€2-bis(silylenyl)-substituted <i><i>ortho</i></i> -carborane. <i>Chemical Communications</i> , 2020, 56, 747-750.	4.1	53
21	Striking Reactivity of a Stable, Zwitterionic Silylene Towards Substituted Diazomethanes, Azides, and Isocyanides. <i>Chemistry - A European Journal</i> , 2009, 15, 8542-8547.	3.3	49
22	Taming the germyliumylidene [ClGe:] ⁺ and germathonium [ClGe ⁺ S] ⁺ ions by donorâ€acceptor stabilization using 1,8-bis(tributylphosphazanyl)naphthalene. <i>Chemical Communications</i> , 2012, 48, 12198.	4.1	49
23	Unexpected Photodegradation of a Phosphaketonylâ€Substituted Germyliumylidene Borate Complex. <i>Angewandte Chemie</i> , 2017, 129, 4397-4400.	2.0	47
24	From Silylone to an Isolable Monomeric Silicon Disulfide Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10254-10257.	13.8	45
25	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
26	An Isolable Silicon Dicarboxylate Complex from Carbon Dioxide Activation with a Silylone. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1894-1897.	13.8	44
27	Changing the Reactivity of Zeroâ€and Monoâ€Valent Germanium with a Redox Nonâ€Innocent Bis(silylenyl)carborane Ligand. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14864-14868.	13.8	38
28	From a Stable Silanone Complex to Isolable, Donorâ€Supported Silicoxonium Halides [LSi(dmap) ₃ Oi ₃ SiMe ₃] ⁺ X ⁻ . <i>Chemistry - A European Journal</i> , 2011, 17, 3.3 11274-11279.	13.8	36
29	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
30	Synthesis and Rearrangement of Stable NHCâ€Silylene Adducts and Their Unique Reactivity towards Cyclohexylisocyanide. <i>Chemistry - an Asian Journal</i> , 2010, 5, 322-327.	3.3	32
31	Versatile Conversion of <i><i>N</i></i> â€Heterocyclic Silylene to Silyl Metal Compounds by Insertion of Divalent Silicon into Metalâ€Carbon and Metalâ€Hydrogen Bonds. <i>Chemistry - A European Journal</i> , 2012, 18, 3316-3320.	3.3	31
32	Bis(silylene)â€Stabilized Monovalent Nitrogen Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22043-22047.	13.8	31
33	From an N-Heterocyclic Silacyclopropene to Donor-Supported Silacyclopropenylium Cations. <i>Organometallics</i> , 2009, 28, 1610-1612.	2.3	29
34	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
35	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
36	Isomerization of an N-Heterocyclic Germylene to an Azagermabenzen-1-ylidene and Its Coupling to a Unique Bis(germylene). <i>Organometallics</i> , 2010, 29, 5353-5357.	2.3	21

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37	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
38	Synthesis and Tunable Reactivity of N-Heterocyclic Germylene. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2145-2150.	3.3	20
39	An Isolable Silicon Dicarboxylate Complex from Carbon Dioxide Activation with a Silylene. <i>Angewandte Chemie</i> , 2017, 129, 1920-1923.	2.0	20
40	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
41	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
42	Twice silicon-induced C-H activation and tautomerisation of a λ^2 -diketiminato ligand and formation of new types of N-heterocyclic silanes. <i>Dalton Transactions</i> , 2009, , 421-423.	3.3	15
43	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
44	An isolable λ^2 -diketiminato chlorosilylene. <i>Dalton Transactions</i> , 2018, 47, 2152-2155.	3.3	14
45	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
46	A Zwitterionic Silylene as Reactive Intermediate and Its Unusual Dimerization to an N-Heterobicyclic Disilane. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1323-1328.	3.3	13
47	Bis(silylene)-stabilized Monovalent Nitrogen Complexes. <i>Angewandte Chemie</i> , 2020, 132, 22227-22231.	2.0	9
48	Synthesis and structure of the azidogermylumylidene azide complex [L(N ₃)Ge:] ⁺ N ₃ ⁻ with covalently and ionically bonded azide ligands at germanium(IV) [L = bis(N-heterocyclic carbene)]. <i>Chemical Communications</i> , 2014, 50, 418-420.	4.1	8
49	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
50	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
51	InnenrÃ¼cktitelbild: An Isolable Silicon Dicarboxylate Complex from Carbon Dioxide Activation with a Silylene (Angew. Chem. 7/2017). <i>Angewandte Chemie</i> , 2017, 129, 1957-1957.	2.0	0