

Sakya S Sen

List of Publications by Year in descending order

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78
papers

3,646
citations

136950

32
h-index

138484

58
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82
all docs

82
docs citations

82
times ranked

1468
citing authors

#	ARTICLE	IF	CITATIONS
1	High Yield Access to Silylene RSiCl (R = PhC(N<i>t</i>Bu) ₂) and Its Reactivity toward Alkyne: Synthesis of Stable Disilacyclobutene. <i>Journal of the American Chemical Society</i> , 2010, 132, 1123-1126.	13.7	271
2	Chemistry of functionalized silylenes. <i>Chemical Science</i> , 2012, 3, 659-682.	7.4	180
3	Compounds with Low-Valent p-Block Elements for Small Molecule Activation and Catalysis. <i>ChemCatChem</i> , 2016, 8, 486-501.	3.7	177
4	RGe(I)Ge(I)R Compound (R = PhC(N<i>t</i>Bu) ₂) with a Ge-Ge Single Bond and a Comparison with the Gauche Conformation of Hydrazine. <i>Organometallics</i> , 2008, 27, 5459-5463.	2.3	175
5	A Remarkable Base-Stabilized Bis(silylene) with a Silicon(I)-Silicon(I) Bond. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8536-8538.	13.8	158
6	Activation of phosphorus by group 14 elements in low oxidation states. <i>Chemical Communications</i> , 2012, 48, 2169.	4.1	131
7	Zwitterionic Si-C-Si-P and Si-P-Si-P Four-Membered Rings with Two-Coordinate Phosphorus Atoms. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2322-2325.	13.8	121
8	Interconnected Bis-Silylenes: A New Dimension in Organosilicon Chemistry. <i>Accounts of Chemical Research</i> , 2012, 45, 578-587.	15.6	109
9	Striking Stability of a Substituted Silicon(II) Bis(trimethylsilyl)amide and the Facile Si-Me Bond Cleavage without a Transition Metal Catalyst. <i>Journal of the American Chemical Society</i> , 2011, 133, 12311-12316.	13.7	102
10	Facile Syntheses of Silylene Nickel Carbonyl Complexes from Lewis Base Stabilized Chlorosilylenes. <i>Inorganic Chemistry</i> , 2010, 49, 10199-10202.	4.0	88
11	Benz-amidinato calcium iodide catalyzed aldehyde and ketone hydroboration with unprecedented functional group tolerance. <i>Chemical Communications</i> , 2017, 53, 4562-4564.	4.1	84
12	A P ₄ Chain and Cage from Silylene-Activated White Phosphorus. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11786-11789.	13.8	80
13	Synthesis of Stable Silicon Heterocycles by Reaction of Organic Substrates with a Chlorosilylene [PhC(N<i>t</i>Bu) ₂ SiCl]. <i>Chemistry - A European Journal</i> , 2011, 17, 4283-4290.	3.3	75
14	Synthesis of a Stable Four-Membered Si ₂ O ₂ Ring and a Dimer with Two Four-Membered Si ₂ O ₂ Rings Bridged by Two Oxygen Atoms, with Five-Coordinate Silicon Atoms in Both Ring Systems. <i>Organometallics</i> , 2010, 29, 2343-2347.	2.3	73
15	Synthesis, structure, and theoretical investigation of amidinato supported 1,4-disilabenzene. <i>Chemical Communications</i> , 2010, 46, 5873.	4.1	72
16	Cations and dications of heavier group 14 elements in low oxidation states. <i>Dalton Transactions</i> , 2015, 44, 12903-12923.	3.3	72
17	B-B and B _n E (E = N and O) Multiple Bonds in the Coordination Sphere of Late Transition Metals. <i>Accounts of Chemical Research</i> , 2014, 47, 180-191.	15.6	69
18	Stable Silaimines with Three- and Four-Coordinate Silicon Atoms. <i>Inorganic Chemistry</i> , 2012, 51, 11049-11054.	4.0	68

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19	Transition metal free catalytic hydroboration of aldehydes and aldimines by amidinato silane. Dalton Transactions, 2017, 46, 2420-2424.	3.3	67
20	Easily accessible lithium compound catalyzed mild and facile hydroboration and cyanosilylation of aldehydes and ketones. Chemical Communications, 2018, 54, 6843-6846.	4.1	66
21	Convenient Access to Monosilicon Epoxides with Pentacoordinate Silicon. Angewandte Chemie - International Edition, 2010, 49, 3952-3955.	13.8	65
22	Synthesis of Monomeric Divalent Tin(II) Compounds with Terminal Chloride, Amide, and Triflate Substituents. European Journal of Inorganic Chemistry, 2010, 2010, 5304-5311.	2.0	62
23	Neutral Penta- and Hexacoordinate N-Heterocyclic Carbene Complexes Derived from SiX ₄ (X = F, Br). Organometallics, 2009, 28, 6374-6377.	2.3	59
24	Reactions of a Bis-silylene (LSi ⁺ SiL, L = PhC(N ⁻ t-Bu) ₂) and a Heteroleptic Chloro Silylene (LSiCl) with Benzil: Formation of Bis(siladioxolene) and Monosiladioxolene Analogue with Five-Coordinate Silicon Atoms in Both Ring Systems. Organometallics, 2010, 29, 3930-3935.	2.3	58
25	Reactivity Studies of a Gel ⁺ Gel Compound with and without Cleavage of the Ge ⁺ Ge Bond. Inorganic Chemistry, 2010, 49, 5786-5788.	4.0	53
26	Alkaline Earth Metal Compounds of Methylpyridinato ¹ 2-Diketiminato Ligands and Their Catalytic Application in Hydroboration of Aldehydes and Ketones. Organometallics, 2018, 37, 4576-4584.	2.3	50
27	Stepwise isolation of low-valent, low-coordinate Sn and Pb mono- and dications in the coordination sphere of platinum. Chemical Science, 2015, 6, 425-435.	7.4	41
28	Metal free mild and selective aldehyde cyanosilylation by a neutral penta-coordinate silicon compound. Chemical Communications, 2017, 53, 6910-6913.	4.1	37
29	C(sp ³) ⁺ F, C(sp ²) ⁺ F and C(sp ³) ⁺ H bond activation at silicon(⁺) centers. Chemical Communications, 2017, 53, 9850-9853.	4.1	37
30	End ⁺ On Nitrogen Insertion of a Diazo Compound into a Germanium(II) Hydrogen Bond and a Comparable Reaction with Diethyl Azodicarboxylate. Angewandte Chemie - International Edition, 2009, 48, 4246-4248.	13.8	35
31	A Stable Cation of a CSi ₃ P Five ⁺ Membered Ring with a Weakly Coordinating Chloride Anion. Angewandte Chemie - International Edition, 2011, 50, 12510-12513.	13.8	35
32	A Stable Silanone with a Three ⁺ Coordinate Silicon Atom: A Century ⁺ Long Wait is Over. Angewandte Chemie - International Edition, 2014, 53, 8820-8822.	13.8	33
33	Lithium compounds as single site catalysts for hydroboration of alkenes and alkynes. Chemical Communications, 2019, 55, 11711-11714.	4.1	31
34	One Pot Synthesis of Disilatricycloheptene Analogue and Jutzi ⁺ ™s Disilene. Inorganic Chemistry, 2010, 49, 9689-9693.	4.0	30
35	Synthesis and Reactivity of a Hypersilylsilylene. Inorganic Chemistry, 2019, 58, 10536-10542.	4.0	30
36	Silicon-fluorine chemistry: from the preparation of SiF ₂ to C ⁺ F bond activation using silylenes and its heavier congeners. Chemical Communications, 2018, 54, 5046-5057.	4.1	28

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37	Beyond Hydrofunctionalisation: A Well-Defined Calcium Compound Catalysed Mild and Efficient Carbonyl Cyanosilylation. <i>Chemistry - A European Journal</i> , 2018, 24, 1269-1273.	3.3	27
38	C-F Bond Activation by a Saturated N-Heterocyclic Carbene: Mesoionic Compound Formation and Adduct Formation with B(C ₆ F ₅) ₃ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2804-2808.	13.8	27
39	Silylene induced cooperative B-H bond activation and unprecedented aldehyde C-H bond splitting with amidinate ring expansion. <i>Chemical Communications</i> , 2019, 55, 3536-3539.	4.1	26
40	Lithium compound catalyzed deoxygenative hydroboration of primary, secondary and tertiary amides. <i>Dalton Transactions</i> , 2021, 50, 2354-2358.	3.3	26
41	Strikingly diverse reactivity of structurally identical silylene and stannylene. <i>Dalton Transactions</i> , 2017, 46, 6528-6532.	3.3	25
42	Formation of a Unsymmetrical Ring System via C-H Bond Activation of Diazobenzene by Stable N-Heterocyclic Chlorosilylene (PhC(Nt <i>i</i> Bu) ₂ SiCl). <i>Organometallics</i> , 2011, 30, 2643-2645.	2.3	24
43	Cyanosilylation by Compounds with Main-Group Elements: An Odyssey. <i>ACS Omega</i> , 2020, 5, 25477-25484.	3.5	24
44	Different Reactivity of As ₄ towards Disilenes and Silylenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6655-6659.	13.8	23
45	Reaction of a Base-Stabilized Bis(silylene) [PhC(Nt <i>i</i> Bu) ₂ Si] ₂ with Cyclooctatetraene without Cleavage of the Si-Si Bond. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1370-1373.	2.0	22
46	Diverse Reactivity of Hypersilylsilylene with Boranes and Three-Component Reactions with Aldehyde and HBpin. <i>Inorganic Chemistry</i> , 2021, 60, 1654-1663.	4.0	22
47	Dynamic, Reversible Oxidative Addition of Highly Polar Bonds to a Transition Metal. <i>Journal of the American Chemical Society</i> , 2016, 138, 16140-16147.	13.7	20
48	Readily available lithium compounds as catalysts for the hydroboration of carbodiimides and esters. <i>Journal of Organometallic Chemistry</i> , 2021, 949, 121924.	1.8	20
49	Elegant approach to spacer arranged silagermylene and bis(germylene) compounds. <i>Chemical Communications</i> , 2011, 47, 7206.	4.1	19
50	Synthesis and Structure of [{PhC(Nt <i>i</i> Bu) ₂ Ge ₂ (μ -4-S) ₂ Cl ₂ }] and a Germanium Dithiocarboxylate Analogue. <i>Organometallics</i> , 2011, 30, 1030-1033.	2.3	18
51	A Remarkable End-On Activation of Diazoalkane and Cleavage of Both C-Cl Bonds of Dichloromethane with a Silylene to a Single Product with Five-Coordinate Silicon Atoms. <i>Organometallics</i> , 2012, 31, 435-439.	2.3	18
52	A B=C Double Bond Unit Coordinated to Platinum: An Alkylideneboryl Ligand that Is Isoelectronic to Neutral Aminoborylene Ligands. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2240-2244.	13.8	18
53	Deoxygenative hydroboration of primary and secondary amides: a catalyst-free and solvent-free approach. <i>Chemical Communications</i> , 2021, 57, 10596-10599.	4.1	17
54	Facile access to a Ge(<i>ii</i>) dication stabilized by isocyanides. <i>Chemical Communications</i> , 2016, 52, 7890-7892.	4.1	15

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55	Saturated N-Heterocyclic Carbene Based Thiele's Hydrocarbon with a Tetrafluorophenylene Linker. Chemistry - A European Journal, 2019, 25, 16533-16537.	3.3	15
56	Reactivities of Silaimines with Boranes: From Cooperative B-H Bond Activation to Donor Stabilized Silyl Cation. Organometallics, 2021, 40, 2133-2138.	2.3	15
57	C-F Bond Activation by a Saturated N-Heterocyclic Carbene: Mesoionic Compound Formation and Adduct Formation with B(C ₆ F ₅) ₃ . Angewandte Chemie, 2019, 131, 2830-2834.	2.0	14
58	Benzamidinato Stabilized a Monomeric Calcium Iodide and a Lithium Calcate(II) Cluster featuring Group 1 and Group 2 Elements. ChemistrySelect, 2016, 1, 1066-1071.	1.5	13
59	Cyclometallation of a germylene ligand by concerted metalation-deprotonation of a methyl group. Dalton Transactions, 2018, 47, 15835-15844.	3.3	13
60	Pyridylpyrrolido ligand in Ge(II) and Sn(II) chemistry: synthesis, reactivity and catalytic application. Dalton Transactions, 2021, 50, 16678-16684.	3.3	13
61	Simultaneous Fragmentation and Activation of White Phosphorus. Chemistry - A European Journal, 2013, 19, 9114-9117.	3.3	12
62	Substitution at sp ³ boron of a six-membered NHC-BH ₃ : convenient access to a dihydroxyborenium cation. Chemical Communications, 2022, 58, 3783-3786.	4.1	12
63	Unprecedented solvent induced inter-conversion between monomeric and dimeric silylene-zinc iodide adducts. Dalton Transactions, 2017, 46, 11418-11424.	3.3	11
64	Access to Silicon(II) and Germanium(II) Indium Compounds. Organometallics, 2018, 37, 1206-1213.	2.3	11
65	Amidinato Germylene-Zinc Complexes: Synthesis, Bonding, and Reactivity. Chemistry - an Asian Journal, 2020, 15, 3116-3121.	3.3	11
66	Access to diverse germylenes and a six-membered dialane with a flexible β^2 -diketiminato. Chemical Communications, 2020, 56, 11871-11874.	4.1	10
67	Stepwise Nucleophilic Substitution to Access Saturated N-heterocyclic Carbene Haloboranes with Boron-Methyl Bonds. Organometallics, 2020, 39, 4696-4703.	2.3	9
68	Diverse reactivity of carbenes and silylenes towards fluoropyridines. Chemical Communications, 2021, 57, 4428-4431.	4.1	9
69	The Hypersilyl Substituent in Heavier Low-Valent Group 14 Chemistry. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	9
70	Substrate, Catalyst, and Solvent: The Triune Nature of Multitasking Reagents in Hydroboration and Cyanosilylation. Organometallics, 2021, 40, 1104-1112.	2.3	8
71	Unsymmetrical sp ² -sp ³ Disilenes. Angewandte Chemie - International Edition, 2021, 60, 20706-20710.	13.8	8
72	Transmetallation vs adduct: Diverse reactivity of N,O-ketiminato germylene with [Cp* <i>M</i> Cl ₂] ₂ (<i>M</i> = Rh or Ir) and [Cp* <i>M</i> Cl ₂] ₂ (<i>M</i> = Rh or Ir) complexes. Dalton Transactions, 2021, 50, 16678-16684.	1.8	6

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73	Access to a Variety of Ge(II) and Sn(II) Compounds through Substitution of Hypersilyl Moiety. <i>Organometallics</i> , 2021, 40, 2651-2657.	2.3	5
74	A Tale of Biphenyl and Terphenyl Substituents for Structurally Diverse Ketiminato Magnesium, Calcium and Germanium Complexes. <i>Chemistry - an Asian Journal</i> , 2020, 15, 820-827.	3.3	4
75	Nucleophilic Substitution at a Coordinatively Saturated Five-Membered NHC TM Haloborane Centre. <i>Inorganics</i> , 2022, 10, 97.	2.7	3
76	A Well-Defined Calcium Compound Catalyzes Trimerization of Arylisocyanates into 1,3,5-Triarylisocyanurates. <i>ChemCatChem</i> , 2022, 14, .	3.7	2
77	Unsymmetrical sp ² -sp ³ Disilenes. <i>Angewandte Chemie</i> , 2021, 133, 20874-20878.	2.0	1
78	Back Cover: A Stable Cation of a CSi ₃ P Five-Membered Ring with a Weakly Coordinating Chloride Anion (<i>Angew. Chem. Int. Ed.</i> 52/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12660-12660.	13.8	0