Zhenlei Song

List of Publications by Year
in descending order

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57	1,108	361413	454955
papers	citations	20 h-index	30 g-index

61	61	61	744
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthetic Approaches for the Construction of Five- and Six-Membered Silaazacycles. Synthesis, 2022, 54, 2749-2764.	2.3	8
2	Synthesis of Silacyclohexanones from Divinylsilanes and Allylamines by a Rh-Catalyzed Cyclization. Organic Letters, 2022, 24, 726-730.	4.6	3
3	Ring Expansion of Silacyclobutanes with Allenoates to Selectively Construct 2- or 3-(E)-Enoate-Substituted Silacyclohexenes. ACS Catalysis, 2022, 12, 5185-5196.	11.2	26
4	Intramolecular Sakurai Allylation of Geminal Bis(silyl) Enamide with Indolenine. A Diastereoselective Cyclization To Form Functionalized Hexahydropyrido[3,4-b]Indole. Organic Letters, 2021, 23, 124-128.	4.6	6
5	Asymmetric total synthesis and antidepressant activity of (â^')-sila-mesembranol bearing a silicon stereocenter. Organic Chemistry Frontiers, 2021, 8, 5941-5947.	4.5	22
6	The development of an Amber-compatible organosilane force field for drug-like small molecules. Physical Chemistry Chemical Physics, 2021, 23, 12582-12591.	2.8	10
7	Diverse synthesis of the C ring fragment of bryostatins via Zn/Cu-promoted conjugate addition of Î±-hydroxy iodide with enone. Chinese Chemical Letters, 2021, 32, 1-4.	9.0	5
8	3-Silaazetidine: An Unexplored yet Versatile Organosilane Species for Ring Expansion toward Silaazacycles. Journal of the American Chemical Society, 2021, 143, 11141-11151.	13.7	26
9	O2â€Assisted Fourâ€component Reaction of Vinyl Magnesium Bromide with Chiral Nâ€tertâ€Butanesulfinyl Imines To Form synâ€1, 3â€Amino Alcohols. Angewandte Chemie, 2021, 133, 24849.	2.0	0
10	O₂â€Assisted Fourâ€Component Reaction of Vinyl Magnesium Bromide with Chiral Nâ€tertâ€Butanesulfinyl Imines To Form synâ€1,3â€Amino Alcohols. Angewandte Chemie - International Edition, 2021, 60, 24644-24649.	13.8	4
11	Synthesis of unsymmetrical diarylmethanols via Câ€“Si bond bifunctionalization enabled by sequential [1,4]-Csp² to O-silyl migration. Organic Chemistry Frontiers, 2020, 7, 543-547.	4.5	2
12	ArNMeCH(SiMe₃)₂: a useful precursor of formal Î±-aminoalkyl diradicals in visible-light-mediated homo- and hetero-diaddition with alkenes. Chemical Communications, 2020, 56, 7487-7490.	4.1	1
13	One-Pot Twofold Unsymmetrical Câ€“Si Bond 2,6-Bifunctionalization of Arenes via Sequential [1,4]-Csp² to O-Silyl Migration. Journal of Organic Chemistry, 2019, 84, 12583-12595.	3.2	7
14	Asymmetric retro-[1,4]-Brook rearrangement of 3-silyl allyloxysilanes via chirality transfer from silicon to carbon. RSC Advances, 2019, 9, 26209-26213.	3.6	4
15	Rhodiumâ€Catalyzed Reaction of Silacyclobutanes with Unactivated Alkynes to Afford Silacyclohexenes. Angewandte Chemie, 2019, 131, 4743-4747.	2.0	22
16	exo/endo Selectivity Control in Dielsâ€“Alder Reactions of Geminal Bis(silyl) Dienes: Theoretical and Experimental Studies. Journal of Organic Chemistry, 2019, 84, 3940-3952.	3.2	12
17	Rhodiumâ€Catalyzed Reaction of Silacyclobutanes with Unactivated Alkynes to Afford Silacyclohexenes. Angewandte Chemie - International Edition, 2019, 58, 4695-4699.	13.8	79
18	Recent Progress in the Transitionâ€Metalâ€Catalyzed Activation of Siâ^'Si Bonds To Form Câ^'Si Bonds. Chemistry - A European Journal, 2019, 25, 2407-2422.	3.3	37

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19	Total Synthesis of Bryostatin 8 and (â€“)-Exiguolide: Applications of an Organosilane Strategy. Synlett, 2019, 30, 753-764.	1.8	5
20	Me₃Siâ^'SiMe₂[oCON(iPr)₂â^'C₆H₄]: An Unsymmetrical Disilane Reagent for Regioâ€•and Stereoselective Bisâ€Silylation of Alkynes. Angewandte Chemie - International Edition, 2018, 57, 4769-4773.	13.8	23
21	Innentitelbild: Me₃Siâ^'SiMe₂[oCON(iPr)₂â^'C₆H₄]: An Unsymmetrical Disilane Reagent for Regioâ€•and Stereoselective Bisâ€Silylation of Alkynes (Angew.) Tj ETQq1 1 0.784314 rgBT /Ov	2.0	0
22	Chemoselective deoxygenation of ether-substituted alcohols and carbonyl compounds by B(C₆F₅)₃-catalyzed reduction with (HMe₂SiCH₂)₂. Chemical Communications, 2018, 54, 4834-4837.	4.1	26
23	Me₃Siâ^'SiMe₂[oCON(iPr)₂â^'C₆H₄]: An Unsymmetrical Disilane Reagent for Regioâ€•and Stereoselective Bisâ€Silylation of Alkynes. Angewandte Chemie, 2018, 130, 4859-4863.	2.0	8
24	Total Synthesis of Bryostatinâ€…8 Using an Organosilaneâ€Based Strategy. Angewandte Chemie - International Edition, 2018, 57, 942-946.	13.8	39
25	Chemoselective Reduction of Sterically Demanding N,N-Diisopropylamides to Aldehydes. Journal of Organic Chemistry, 2018, 83, 1687-1700.	3.2	15
26	Total Synthesis of Bryostatinâ€…8 Using an Organosilaneâ€Based Strategy. Angewandte Chemie, 2018, 130, 954-958.	2.0	12
27	Three-component reaction to synthesize E-vinyl silyl anti-1,2-diols via sequential [1,4]-O-to-O/[1,4]-C-to-O silyl migrations. Organic Chemistry Frontiers, 2018, 5, 2035-2039.	4.5	6
28	Chiral crotyl geminal bis(silane): a useful reagent for asymmetric Sakurai allylation by selective desilylation-enabled chirality transfer. Chemical Communications, 2017, 53, 3078-3081.	4.1	19
29	Enantioselective synthesis of crotyl geminal bis(silane) and its usage for asymmetric Sakurai allylation of acetals. Tetrahedron, 2017, 73, 3707-3713.	1.9	7
30	Transformation of the B Ring to the C Ring of Bryostatins by Csp³â€“H Amination and Z to E Isomerization. Organic Letters, 2017, 19, 5232-5235.	4.6	3
31	(HMe2SiCH2)2: A Useful Reagent for B(C6F5)3-Catalyzed Reductionâ€“Lactonization of Keto Acids: Concise Syntheses of (â€“)-cis-Whisky and (â€“)-cis-Cognac Lactones. Synlett, 2017, 28, 2453-2459.	1.8	8
32	Asymmetric alkylation or silylation of (S)-(â^')-diphenylprolinol-derived Î±-silyl amide to synthesize optically pure Î±-monosilyl or bis(silyl) amides. Tetrahedron Letters, 2016, 57, 2861-2864.	1.4	5
33	Tunable reactivity of geminal bis(silyl) enol derivatives leading to selective exo-IEDDA or Sakurai allylation with a Î²,Î³-unsaturated ketoester. Chemical Communications, 2016, 52, 10137-10140.	4.1	5
34	Unique Steric Effect of Geminal Bis(silane) To Control the High Exo-selectivity in Intermolecular Dielsâ€“Alder Reaction. Journal of the American Chemical Society, 2016, 138, 1877-1883.	13.7	68
35	Visible light-promoted radical cyclization of silicon-tethered alkyl iodide and phenyl alkyne. An efficient approach to synthesize benzosilolines. Chemical Communications, 2016, 52, 6189-6192.	4.1	12
36	Recent advances in Câ€“Si bond activation via a direct transition metal insertion. Tetrahedron Letters, 2015, 56, 1466-1473.	1.4	85

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37	Synthesis of Functionalized Î³-Lactone via Sakurai exo-Cyclization/Rearrangement of 3,3-Bis(silyl) Enol Ester with a Tethered Acetal. Organic Letters, 2015, 17, 1553-1556.	4.6	17
38	1,4-Hydroiodination of Dienyl Alcohols with TMSI To Form Homoallylic Alcohols Containing a Multisubstituted Z-Alkene and Application to Prins Cyclization. Organic Letters, 2015, 17, 1846-1849.	4.6	21
39	Total synthesis of (â^')-exiguolide via an organosilane-based strategy. Chemical Communications, 2015, 51, 8484-8487.	4.1	21
40	Geminal bis(silane)-controlled regio- and stereoselective oxidative Heck reaction of enol ethers with terminal alkenes to give pushâ€“pull 1,3-dienes. Chemical Communications, 2015, 51, 15546-15549.	4.1	19
41	TMSBr/InBr₃-promoted Prins cyclization/homobromination of dienyl alcohol with aldehyde to construct cis-THP containing an exocyclic E-alkene. Chemical Communications, 2015, 51, 14925-14928.	4.1	27
42	Total Synthesis of (â^')-Exiguolide. Organic Letters, 2015, 17, 4706-4709.	4.6	28
43	Regioselective 1,4- over 1,2-addition of 3,3-bis(silyl) allyloxy lithium to enals, enones and enoates. The remarkable Î±-effect of silicon. Organic and Biomolecular Chemistry, 2014, 12, 3021-3025.	2.8	6
44	[1,5]-Anion Relay via Intramolecular Proton Transfer To Generate 3,3-Bis(silyl) Allyloxy Lithium: A Useful Scaffold for Syn-Addition to Aldehydes and Ketones. Organic Letters, 2014, 16, 1084-1087.	4.6	19
45	[1,5]-Brook rearrangement: an overlooked but valuable silyl migration to synthesize configurationally defined vinylsilane. The unique steric and electronic effects of geminal bis(silane). Chemical Communications, 2013, 49, 8961.	4.1	21
46	[1,4]â€šâ€•to Oâ€šSilyl Migration: Multicomponent Synthesis of Î±â€²Thioketones through Chemoselective Transformation of Esters to Ketones with Organolithium Reagents. Chemistry - A European Journal, 2013, 19, 17589-17594.	3.3	10
47	Recent efforts to construct the B-ring of bryostatins. Chemical Communications, 2013, 49, 10211.	4.1	10
48	Geminal Bis(silyl) Enal: A Versatile Scaffold for Stereoselective Synthesizing C³,O¹-Disilylated Allylic Alcohols Based upon Anion Relay Chemistry. Organic Letters, 2013, 15, 1104-1107.	4.6	22
49	Sakurai Reaction of 3,3-Bis(silyl) Silyl Enol Ethers with Acetals Involving Selective Desilylation of the Geminal Bis(silane). Concise Synthesis of Nematocidal Oxylipid. Organic Letters, 2013, 15, 1068-1071.	4.6	33
50	Exploration of Versatile Geminal Bis(silane) Chemistry. Synlett, 2013, 24, 139-144.	1.8	19
51	[1,5]-Anion Relay/[2,3]-Wittig Rearrangement of 3,3-Bis(silyl) Allyl Enol Ethers: Synthesis of Useful Vinyl Bis(silane) Species. Organic Letters, 2012, 14, 1094-1097.	4.6	26
52	Bissilyl Enal: A Useful Linchpin for Synthesis of Functionalized Vinylsilane Species by Anion Relay Chemistry. Organic Letters, 2012, 14, 158-161.	4.6	26
53	Prins Cyclization of Bis(silyl) Homoallylic Alcohols to Form 2,6â€cisâ€Tetrahydropyrans Containing a Geometrically Defined Exocyclic Vinylsilane: Efficient Synthesis of Ring B of the Bryostatins. Angewandte Chemie - International Edition, 2012, 51, 5367-5370.	13.8	66
54	Addition of TMS-Substituted Oxiranyl Anions to Acylsilanes. A Highly Stereoselective Approach to Tetrasubstituted (Z)-Î²-Hydroxy-Î±-TMS Silyl Enol Ethers. Organic Letters, 2011, 13, 1440-1443.	4.6	24

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55	Efficient Approach to 3,3-Bissilyl Carbonyl and Enol Derivatives via Retro-[1,4] Brook Rearrangement of 3-Silyl Allyloxysilanes. Organic Letters, 2010, 12, 5298-5301.	4.6	30
56	Challenges in the synthesis of a unique mono-carboxylic acid antibiotic, (+)-zincophorin. Natural Product Reports, 2009, 26, 560.	10.3	23
57	Addition/substitution Approach of TsNHCH2SiMe2CH2Cl with Isocyanate or Isothiocyanate to Construct 1,3,5-Diazasilinan-2-one or 1,3,5-Thiazasilinan-2-imine. Synthesis, 0, , .	2.3	3