Jennifer M Schomaker

List of Publications by Year
in descending order

103 papers	3,593 citations	109321 35 h-index	155660 55 g-index
122 all docs	122 docs citations	122 times ranked	2934 citing authors

#	Article	IF	Citations
1	Pdâ€Catalyzed Heckâ€Type Reactions of Allenes for Stereoselective Syntheses of Substituted 1,3â€Dienes. Chemistry - A European Journal, 2022, 28, e202103507.	3.3	6
2	Tunable Aziridinium Ylide Reactivity: Noncovalent Interactions Enable Divergent Product Outcomes. ACS Catalysis, 2022, 12, 1572-1580.	11.2	10
3	Acylated and alkylated benzo(crown-ethers) form ion-dependent ion channels in biological membranes. Biophysical Journal, 2022, 121, 1105-1114.	0.5	2
4	Origins of Catalyst-Controlled Selectivity in Ag-Catalyzed Regiodivergent Câ€“H Amination. Journal of the American Chemical Society, 2022, 144, 2735-2746.	13.7	14
5	Tunable Silver-Catalyzed Nitrene Transfer: From Chemoselectivity to Enantioselective Câ€“H Amination. ACS Catalysis, 2022, 12, 5527-5539.	11.2	8
6	Chiral amine synthesis refashioned. , 2022, 1, 506-507.		0
7	Strategien fÃ¼r die Synthese von Pactamycin und Jogyamycin. Angewandte Chemie, 2021, 133, 14372-14392.	2.0	0
8	Strategies for the Syntheses of Pactamycin and Jogyamycin. Angewandte Chemie - International Edition, 2021, 60, 14252-14271.	13.8	8
9	Taming Nitrene Reactivity with Silver Catalysts. Synlett, 2021, 32, 30-44.	1.8	9
10	Nitrene transfer catalysts for enantioselective Câ€“N bond formation. Nature Reviews Chemistry, 2021, 5, 580-594.	30.2	107
11	Allene Trifunctionalization via Amidyl Radical Cyclization and TEMPO Trapping. Journal of Organic Chemistry, 2021, 86, 8891-8899.	3.2	6
12	Scope and Mechanistic Investigations of Pd-Catalyzed Coupling/Cyclization and Cycloisomerization of Allenyl Malonates. ACS Catalysis, 2021, 11, 9485-9494.	11.2	4
13	Recent Developments and Strategies for Mutually Orthogonal Bioorthogonal Reactions. ChemBioChem, 2021, 22, 3254-3262.	2.6	17
14	Silver-catalyzed enantioselective functionalizations of alkenes and alkynes: A short review. Current Opinion in Green and Sustainable Chemistry, 2021, 30, 100483.	5.9	6
15	Additions of N, O, and S heteroatoms to metal-supported carbenes: Mechanism and synthetic applications in modern organic chemistry. Advances in Organometallic Chemistry, 2021, , 1-100.	1.0	1
16	Triple, Mutually Orthogonal Bioorthogonal Pairs through the Design of Electronically Activated Sulfamate-Containing Cycloalkynes. Journal of the American Chemical Society, 2020, 142, 18826-18835.	13.7	30
17	Silver-Catalyzed Enantioselective Propargylic Câ€“H Bond Amination through Rational Ligand Design. Journal of the American Chemical Society, 2020, 142, 12930-12936.	13.7	56
18	Intermolecular [3+3] ring expansion of aziridines to dehydropiperi-dines through the intermediacy of aziridinium ylides. Nature Communications, 2020, 11, 1273.	12.8	25

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19	Rigidifying Ag(I) Complexes for Selective Nitrene Transfer. ChemCatChem, 2020, 12, 3076-3081.	3.7	10
20	Stereodivergent Metal-Catalyzed Allene Cycloisomerizations. Synlett, 2020, 31, 627-631.	1.8	2
21	Biomimetic 2-Imino-Nazarov Cyclizations via Eneallene Aziridination. Journal of the American Chemical Society, 2020, 142, 5568-5573.	13.7	13
22	Rh-Catalyzed Aziridine Ring Expansions to Dehydropiperazines. Organic Letters, 2020, 22, 3637-3641.	4.6	14
23	Regioselective Intramolecular Allene Amidation Enabled by an EDA Complex**. Chemistry - A European Journal, 2020, 26, 13783-13787.	3.3	12
24	Aziridinium Ylides: Underused Intermediates for Complex Amine Synthesis. Trends in Chemistry, 2020, 2, 874-887.	8.5	15
25	Re-evaluation of the mechanism of cytotoxicity of dialkylated lariat ether compounds. RSC Advances, 2020, 10, 40391-40394.	3.6	5
26	Stereocontrolled Synthesis of the Aminocyclopentitol Core of Jogyamycin via an Ichikawa Rearrangement Reaction. Journal of Organic Chemistry, 2019, 84, 14092-14100.	3.2	5
27	Sequential Reduction of Nitroalkanes Mediated by CS₂ and Amidine/Guanidine Bases: A Controllable Nef Reaction. Organic Letters, 2019, 21, 8893-8898.	4.6	10
28	Tunable catalyst-controlled syntheses of Î²- and Î³-amino alcohols enabled by silver-catalysed nitrene transfer. Nature Catalysis, 2019, 2, 899-908.	34.4	40
29	Regioselective differentiation of vicinal methylene Câ€“H bonds enabled by silver-catalysed nitrene transfer. Chemical Communications, 2019, 55, 7362-7365.	4.1	19
30	Oxidative allene amination for the synthesis of nitrogen-containing heterocycles. Arkivoc, 2019, 2018, 204-233.	0.5	3
31	Mechanistic Aspects and Synthetic Applications of Radical Additions to Allenes. Chemical Reviews, 2019, 119, 12422-12490.	47.7	156
32	Investigation of transition metal-catalyzed nitrene transfer reactions in water. Bioorganic and Medicinal Chemistry, 2018, 26, 5270-5273.	3.0	12
33	Allene Aziridination as a Tool for the Synthesis of Complex Amines. , 2018, , 231-283.		0
34	Site-Selective, Catalyst-Controlled Alkene Aziridination. Synthesis, 2018, 50, 4462-4470.	2.3	14
35	Î±-Tetrasubstituted Aldehydes through Electronic and Strain-Controlled Branch-Selective Stereoselective Hydroformylation. Journal of Organic Chemistry, 2018, 83, 10207-10220.	3.2	21
36	Ring Expansion of Bicyclic Methyleneaziridines via Concerted, Near-Barrierless [2,3]-Stevens Rearrangements of Aziridinium Ylides. ACS Catalysis, 2018, 8, 7907-7914.	11.2	36

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37	Method for Small-Scale Production of Deuterochloroform. Journal of Organic Chemistry, 2018, 83, 8739-8742.	3.2	4
38	Fine-Tuning Strain and Electronic Activation of Strain-Promoted 1,3-Dipolar Cycloadditions with Endocyclic Sulfamates in SNO-OCTs. Journal of the American Chemical Society, 2017, 139, 8029-8037.	13.7	54
39	Synthesis, Characterization, and Variable-Temperature NMR Studies of Silver(I) Complexes for Selective Nitrene Transfer. Inorganic Chemistry, 2017, 56, 6725-6733.	4.0	36
40	Tandem Oxidative Derivatization of Nitrene Insertion Products for the Highly Diastereoselective Synthesis of 1,3â€aminoalcohols. Chemistry - A European Journal, 2017, 23, 8571-8576.	3.3	7
41	Regioselective Rh-Catalyzed Hydroformylation of 1,1,3-Trisubstituted Allenes Using BisDiazaPhos Ligand. Journal of Organic Chemistry, 2017, 82, 9270-9278.	3.2	6
42	Diastereoselective Au-Catalyzed Allene Cycloisomerizations to Highly Substituted Cyclopentenes. Organic Letters, 2017, 19, 3394-3397.	4.6	7
43	Fluorinated Amine Stereotriads via Allene Amination. Organic Letters, 2017, 19, 3239-3242.	4.6	13
44	Chemoâ€•and Enantioselective Intramolecular Silverâ€Catalyzed Aziridinations. Angewandte Chemie - International Edition, 2017, 56, 9944-9948.	13.8	71
45	Catalyst-Controlled Nitrene Transfer by Tuning Metal:Ligand Ratios: Insight into the Mechanisms of Chemoselectivity. Organometallics, 2017, 36, 1649-1661.	2.3	51
46	Tunable differentiation of tertiary Câ€“H bonds in intramolecular transition metal-catalyzed nitrene transfer reactions. Chemical Communications, 2017, 53, 4346-4349.	4.1	21
47	Inverting Steric Effects: Using â€œAttractiveâ€•Noncovalent Interactions To Direct Silver-Catalyzed Nitrene Transfer. Journal of the American Chemical Society, 2017, 139, 17376-17386.	13.7	52
48	A Stereoselective [3+1] Ring Expansion for the Synthesis of Highly Substituted Methylene Azetidines. Angewandte Chemie, 2017, 129, 12397-12401.	2.0	16
49	An Enantiotropic Disorderâ€“Partial Order Solid-State Transformation in a Molecular Solid Involving a Phase with Zâ€² = 12. Crystal Growth and Design, 2017, 17, 5984-5993.	3.0	2
50	Chemoâ€•and Enantioselective Intramolecular Silverâ€Catalyzed Aziridinations. Angewandte Chemie, 2017, 129, 10076-10080.	2.0	9
51	A Stereoselective [3+1] Ring Expansion for the Synthesis of Highly Substituted Methylene Azetidines. Angewandte Chemie - International Edition, 2017, 56, 12229-12233.	13.8	66
52	Synthetic Applications of Flexible SNO-OCT Strained Alkynes and Their Use in Postpolymerization Modifications. Journal of Organic Chemistry, 2017, 82, 9038-9046.	3.2	10
53	Tunable, Chemo- and Site-Selective Nitrene Transfer Reactions through the Rational Design of Silver(I) Catalysts. Accounts of Chemical Research, 2017, 50, 2147-2158.	15.6	150
54	Frontispiece: Tandem Oxidative Derivatization of Nitrene Insertion Products for the Highly Diastereoselective Synthesis of 1,3â€aminoalcohols. Chemistry - A European Journal, 2017, 23, .	3.3	0

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55	A General Catalyst for Site-Selective C(sp³)â€“H Bond Amination of Activated Secondary over Tertiary Alkyl C(sp³)â€“H Bonds. Organic Letters, 2016, 18, 3014-3017.	4.6	49
56	Ligand-Controlled Synthesis of Azoles via Ir-Catalyzed Reactions of Sulfoxonium Ylides with 2-Amino Heterocycles. Journal of Organic Chemistry, 2016, 81, 4158-4169.	3.2	77
57	Heteroleptic Nickel Complexes for the Markovnikov-Selective Hydroboration of Styrenes. Organometallics, 2016, 35, 3436-3439.	2.3	57
58	Catalyst-Controlled and Tunable, Chemoselective Silver-Catalyzed Intermolecular Nitrene Transfer: Experimental and Computational Studies. Journal of the American Chemical Society, 2016, 138, 14658-14667.	13.7	130
59	Stereocontrolled Syntheses of Sevenâ€Membered Carbocycles by Tandem Allene Aziridination/[4+3] Reaction. Angewandte Chemie, 2016, 128, 13434-13437.	2.0	11
60	Stereocontrolled Syntheses of Sevenâ€Membered Carbocycles by Tandem Allene Aziridination/[4+3] Reaction. Angewandte Chemie - International Edition, 2016, 55, 13240-13243.	13.8	31
61	Diastereoselective Synthesis of the Aminocyclitol Core of Jogyamycin via an Allene Aziridination Strategy. Organic Letters, 2016, 18, 284-287.	4.6	28
62	Formal Dyotropic Rearrangements in Organometallic Transformations. European Journal of Organic Chemistry, 2015, 2015, 5897-5907.	2.4	39
63	Oxidative Allene Amination for the Synthesis of Azetidinâ€3â€one. Angewandte Chemie - International Edition, 2015, 54, 12097-12101.	13.8	25
64	Mechanistic Studies of Copper(I)-Catalyzed 1,3-Halogen Migration. Journal of the American Chemical Society, 2015, 137, 5346-5354.	13.7	49
65	Development of N-Heterocyclic Carbeneâ€“Copper Complexes for 1,3-Halogen Migration. Organometallics, 2015, 34, 4164-4173.	2.3	45
66	Chemoselective silver-catalyzed nitrene insertion reactions. Pure and Applied Chemistry, 2014, 86, 381-393.	1.9	43
67	Aminosugar motifs via an allene aziridination strategy. Tetrahedron, 2014, 70, 4128-4134.	1.9	10
68	Ligand-Controlled, Tunable Silver-Catalyzed Câ€“H Amination. Journal of the American Chemical Society, 2014, 136, 16720-16723.	13.7	131
69	The conversion of allenes to strained three-membered heterocycles. Chemical Society Reviews, 2014, 43, 3136-3163.	38.1	105
70	Aminodiols via Stereocontrolled Oxidation of Methyleneaziridines. Organic Letters, 2014, 16, 1696-1699.	4.6	16
71	Complete stereodivergence in the synthesis of 2-amino-1,3-diols from allenes. Chemical Science, 2014, 5, 3046-3056.	7.4	27
72	Tunable, Chemoselective Amination via Silver Catalysis. Journal of the American Chemical Society, 2013, 135, 17238-17241.	13.7	127

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73	Chemoselective Allene Aziridination via Ag(I) Catalysis. Organic Letters, 2013, 15, 290-293.	4.6	47
74	Stereocontrolled Synthesis of 1,3â€Diaminoâ€2â€ols by Aminohydroxylation of Bicyclic Methyleneâ€Aziridines. European Journal of Organic Chemistry, 2013, 2013, 3667-3670.	2.4	13
75	Divergent reactivity of allene-containing Î±-diazoesters using Cu and Rh catalysis. Tetrahedron, 2013, 69, 5614-5621.	1.9	9
76	Activating Group Recycling: A Fresh Approach to Arene Functionalization. Synlett, 2013, 24, 401-407.	1.8	9
77	Copper-Catalyzed Recycling of Halogen Activating Groups via 1,3-Halogen Migration. Journal of the American Chemical Society, 2012, 134, 16131-16134.	13.7	86
78	Modular Functionalization of Allenes to Aminated Stereotriads. Journal of the American Chemical Society, 2012, 134, 10807-10810.	13.7	83
79	Î±,Î²-Unsaturated imines via Ru-catalyzed coupling of allylic alcohols and amines. Organic and Biomolecular Chemistry, 2012, 10, 1746.	2.8	64
80	Synthesis of Propargylic and Allenic Carbamates via the Câ€“H Amination of Alkynes. Organic Letters, 2012, 14, 280-283.	4.6	64
81	Beyond Benzyl Grignards: Facile Generation of Benzyl Carbanions from Styrenes. Chemistry - A European Journal, 2012, 18, 9391-9396.	3.3	37
82	1,4-Diazaspiro[2.2]pentanes as a Flexible Platform for the Synthesis of Diamine-Bearing Stereotriads. Journal of Organic Chemistry, 2012, 77, 2446-2455.	3.2	35
83	Synthesis of 1,3-Diaminated StereotriadsviaRearrangement of 1,4-Diazaspiro[2.2]pentanes. Organic Letters, 2012, 14, 1704-1707.	4.6	30
84	Organometallics Roundtable 2011. Organometallics, 2012, 31, 1-18.	2.3	46
85	Polymorphism of 5-(pyridin-2-ylmethylene)-3-phenyl-2-methylthio-3,5-dihydro-4H-imidazole-4-one. CrystEngComm, 2011, 13, 3444.	2.6	5
86	Allene Functionalization via Bicyclic Methylene Aziridines. Organic Letters, 2011, 13, 1924-1927.	4.6	76
87	Câ€“H amination/cyclocarbonylation of allene carbamates: a versatile platform for the synthesis of Î±,Î²-unsaturated Î³-lactams. Tetrahedron, 2011, 67, 4318-4326.	1.9	36
88	Selectivity in the Addition Reactions of Organometallic Reagents to Aziridineâ€2â€carboxaldehydes: The Effects of Protecting Groups and Substitution Patterns. Chemistry - A European Journal, 2011, 17, 12326-12339.	3.3	16
89	Cobalt-Mediated, Enantioselective Synthesis of C₂ and C₁ Dienes. Journal of the American Chemical Society, 2010, 132, 16365-16367.	13.7	28
90	Cobalt-Mediated [3 + 2]-Annulation Reaction of Alkenes with Î±,Î²-Unsaturated Ketones and Imines. Organic Letters, 2009, 11, 3698-3700.	4.6	28

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91	Cobalt Dinitrosoalkane Complexes in the Câ^'H Functionalization of Olefins. Journal of the American Chemical Society, 2008, 130, 3777-3779.	13.7	46
92	Total Synthesis of Haterumalides NA and NC via a Chromium-Mediated Macrocyclization. Journal of the American Chemical Society, 2008, 130, 12228-12229.	13.7	39
93	Tetrasubstituted Pyrrolidines via a Tandem Aza-Payne/Hydroamination Reaction. Journal of the American Chemical Society, 2007, 129, 3794-3795.	13.7	29
94	Diastereomerically and Enantiomerically Pure 2,3-Disubstituted Pyrrolidines from 2,3-Aziridin-1-ols Using a Sulfoxonium Ylide:Â A One-Carbon Homologative Relay Ring Expansion. Journal of the American Chemical Society, 2007, 129, 1996-2003.	13.7	84
95	The synthesis of substituted phenylpyrimidines via suzuki coupling reactions. Journal of Heterocyclic Chemistry, 2006, 43, 127-131.	2.6	26
96	One-Pot Regio- and Stereoselective Cyclization of 1,2,n-Triols. Journal of the American Chemical Society, 2005, 127, 6946-6947.	13.7	59
97	Synthesis of Diastereomerically and Enantiomerically Pure 2,3-Disubstituted Tetrahydrofurans Using a Sulfoxonium Ylide. Journal of the American Chemical Society, 2004, 126, 13600-13601.	13.7	76
98	2,4,6â€trifluoropyrimidine. Reactions with nitrogen nucleophiles. Journal of Heterocyclic Chemistry, 2004, 41, 991-993.	2.6	7
99	Total synthesis of (+)-tanikolide via oxidative lactonization. Organic and Biomolecular Chemistry, 2004, 2, 621.	2.8	39
100	Direct Lactonization of Alkenols via Osmium Tetroxide-Mediated Oxidative Cleavage. Organic Letters, 2003, 5, 3089-3092.	4.6	40
101	Arylation of Halogenated Pyrimidines via a Suzuki Coupling Reaction. Journal of Organic Chemistry, 2001, 66, 7125-7128.	3.2	126
102	2,4,6â€trichloropyrimidine. Reaction with anilines. Journal of Heterocyclic Chemistry, 2000, 37, 1457-1462.	2.6	14
103	2,4,6â€Trichloropyrimidine. Reaction with sodium amide. Journal of Heterocyclic Chemistry, 1999, 36, 1259-1261.	2.6	9