

# Jennifer M Schomaker

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103  
papers

2,762  
citations

33  
h-index

49  
g-index

122  
ext. papers

3,200  
ext. citations

9.4  
avg, IF

5.73  
L-index

#	Paper	IF	Citations
103	Tunable Aziridinium Ylide Reactivity: Non-covalent Interactions Enable Divergent Product Outcomes. <i>ACS Catalysis</i> , <b>2022</b> , 12, 1572-1580	13.1	2
102	.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	3
101	Tunable Silver-Catalyzed Nitrene Transfer: From Chemoselectivity to Enantioselective C-H Amination. <i>ACS Catalysis</i> , <b>2022</b> , 12, 5527-5539	13.1	1
100	Pd-Catalyzed Heck-Type Reactions of Allenes for Stereoselective Syntheses of Substituted 1,3-Dienes. <i>Chemistry - A European Journal</i> , <b>2021</b> , 28, e202103507	4.8	2
99	Nitrene transfer catalysts for enantioselective C-N bond formation. <i>Nature Reviews Chemistry</i> , <b>2021</b> , 5, 580-594	34.6	23
98	Allene Trifunctionalization Amidyl Radical Cyclization and TEMPO Trapping. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 8891-8899	4.2	2
97	Scope and Mechanistic Investigations of Pd-Catalyzed Coupling/Cyclization and Cycloisomerization of Allenyl Malonates. <i>ACS Catalysis</i> , <b>2021</b> , 11, 9485-9494	13.1	3
96	Recent Developments and Strategies for Mutually Orthogonal Bioorthogonal Reactions. <i>ChemBioChem</i> , <b>2021</b> , 22, 3254-3262	3.8	4
95	Strategien für die Synthese von Pactamycin und Jogyamycin. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14372-14393	3.6	0
94	Strategies for the Syntheses of Pactamycin and Jogyamycin. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14252-14271	16.4	2
93	Taming Nitrene Reactivity with Silver Catalysts. <i>Synlett</i> , <b>2021</b> , 32, 30-44	2.2	4
92	Silver-catalyzed enantioselective functionalizations of alkenes and alkynes: A short review. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2021</b> , 30, 100483	7.9	0
91	Additions of N, O, and S heteroatoms to metal-supported carbenes: Mechanism and synthetic applications in modern organic chemistry. <i>Advances in Organometallic Chemistry</i> , <b>2021</b> , 1-100	3.8	1
90	Intermolecular [3+3] ring expansion of aziridines to dehydropiperidines through the intermediacy of aziridinium ylides. <i>Nature Communications</i> , <b>2020</b> , 11, 1273	17.4	12
89	Rigidifying Ag(I) Complexes for Selective Nitrene Transfer. <i>ChemCatChem</i> , <b>2020</b> , 12, 3076-3081	5.2	5
88	Stereodivergent Metal-Catalyzed Allene Cycloisomerizations. <i>Synlett</i> , <b>2020</b> , 11, 627-631	2.2	1
87	Biomimetic 2-Imino-Nazarov Cyclizations via Eneallene Aziridination. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5568-5573	16.4	6

86	Rh-Catalyzed Aziridine Ring Expansions to Dehydropiperazines. <i>Organic Letters</i> , <b>2020</b> , 22, 3637-3641	6.2	9
85	Aziridinium Ylides: Underutilized Intermediates for Complex Amine Synthesis. <i>Trends in Chemistry</i> , <b>2020</b> , 2, 874-887	14.8	6
84	Re-evaluation of the mechanism of cytotoxicity of dialkylated lariat ether compounds. <i>RSC Advances</i> , <b>2020</b> , 10, 40391-40394	3.7	2
83	Triple, Mutually Orthogonal Bioorthogonal Pairs through the Design of Electronically Activated Sulfamate-Containing Cycloalkynes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18826-18835	16.4	11
82	Silver-Catalyzed Enantioselective Propargylic C-H Bond Amination through Rational Ligand Design. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 12930-12936	16.4	30
81	Regioselective Intramolecular Allene Amidation Enabled by an EDA Complex*. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 13783-13787	4.8	9
80	Sequential Reduction of Nitroalkanes Mediated by CS and Amidine/Guanidine Bases: A Controllable Nef Reaction. <i>Organic Letters</i> , <b>2019</b> , 21, 8893-8898	6.2	4
79	Tunable catalyst-controlled syntheses of $\beta$ and $\gamma$ amino alcohols enabled by silver-catalysed nitrene transfer. <i>Nature Catalysis</i> , <b>2019</b> , 2, 899-908	36.5	26
78	Regioselective differentiation of vicinal methylene C-H bonds enabled by silver-catalysed nitrene transfer. <i>Chemical Communications</i> , <b>2019</b> , 55, 7362-7365	5.8	12
77	Stereocontrolled Synthesis of the Aminocyclopentitol Core of Jogyamycin via an Ichikawa Rearrangement Reaction. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 14092-14100	4.2	4
76	Mechanistic Aspects and Synthetic Applications of Radical Additions to Allenes. <i>Chemical Reviews</i> , <b>2019</b> , 119, 12422-12490	68.1	75
75	Silver-Catalyzed Carbene, Nitrene, and Silylene Transfer Reactions <b>2019</b> , 439-532		8
74	Oxidative allene amination for the synthesis of nitrogen-containing heterocycles. <i>Arkivoc</i> , <b>2018</b> , 2018, 204-233	0.9	3
73	Investigation of transition metal-catalyzed nitrene transfer reactions in water. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 5270-5273	3.4	9
72	Site-Selective, Catalyst-Controlled Alkene Aziridination. <i>Synthesis</i> , <b>2018</b> , 50, 4462-4470	2.9	10
71	$\beta$ -Tetrasubstituted Aldehydes through Electronic and Strain-Controlled Branch-Selective Stereoselective Hydroformylation. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 10207-10220	4.2	17
70	Ring Expansion of Bicyclic Methyleneaziridines via Concerted, Near-Barrierless [2,3]-Stevens Rearrangements of Aziridinium Ylides. <i>ACS Catalysis</i> , <b>2018</b> , 8, 7907-7914	13.1	29
69	Method for Small-Scale Production of Deuteriochloroform. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 8739-8742	1.7	3

68 Allene Aziridination as a Tool for the Synthesis of Complex Amines **2018**, 231-283

67	Fine-Tuning Strain and Electronic Activation of Strain-Promoted 1,3-Dipolar Cycloadditions with Endocyclic Sulfamates in SNO-OCTs. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 8029-8037	16.4	40
66	Synthesis, Characterization, and Variable-Temperature NMR Studies of Silver(I) Complexes for Selective Nitrene Transfer. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 6725-6733	5.1	32
65	Tandem Oxidative Derivatization of Nitrene Insertion Products for the Highly Diastereoselective Synthesis of 1,3-aminoalcohols. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 8571-8576	4.8	6
64	Regioselective Rh-Catalyzed Hydroformylation of 1,1,3-Trisubstituted Allenes Using BisDiazaPhos Ligand. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 9270-9278	4.2	5
63	Diastereoselective Au-Catalyzed Allene Cycloisomerizations to Highly Substituted Cyclopentenes. <i>Organic Letters</i> , <b>2017</b> , 19, 3394-3397	6.2	4
62	Fluorinated Amine Stereotriads via Allene Amination. <i>Organic Letters</i> , <b>2017</b> , 19, 3239-3242	6.2	9
61	Chemo- and Enantioselective Intramolecular Silver-Catalyzed Aziridinations. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9944-9948	16.4	46
60	Catalyst-Controlled Nitrene Transfer by Tuning Metal:Ligand Ratios: Insight into the Mechanisms of Chemoselectivity. <i>Organometallics</i> , <b>2017</b> , 36, 1649-1661	3.8	43
59	Tunable differentiation of tertiary C-H bonds in intramolecular transition metal-catalyzed nitrene transfer reactions. <i>Chemical Communications</i> , <b>2017</b> , 53, 4346-4349	5.8	19
58	Inverting Steric Effects: Using "Attractive" Noncovalent Interactions To Direct Silver-Catalyzed Nitrene Transfer. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17376-17386	16.4	43
57	A Stereoselective [3+1] Ring Expansion for the Synthesis of Highly Substituted Methylene Azetidines. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12397-12401	3.6	10
56	An Enantiotropic Disorder-Partial Order Solid-State Transformation in a Molecular Solid Involving a Phase with Z' = 12. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 5984-5993	3.5	2
55	Chemo- and Enantioselective Intramolecular Silver-Catalyzed Aziridinations. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10076-10080	3.6	9
54	A Stereoselective [3+1] Ring Expansion for the Synthesis of Highly Substituted Methylene Azetidines. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12229-12233	16.4	51
53	Synthetic Applications of Flexible SNO-OCT Strained Alkynes and Their Use in Postpolymerization Modifications. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 9038-9046	4.2	6
52	Tunable, Chemo- and Site-Selective Nitrene Transfer Reactions through the Rational Design of Silver(I) Catalysts. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 2147-2158	24.3	110
51	Stereocontrolled Syntheses of Seven-Membered Carbocycles by Tandem Allene Aziridination/[4+3] Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13240-13243	16.4	26

50	Diastereoselective Synthesis of the Aminocyclitol Core of Jogyamycin via an Allene Aziridination Strategy. <i>Organic Letters</i> , <b>2016</b> , 18, 284-7	6.2	26
49	A General Catalyst for Site-Selective C(sp <sup>3</sup> )-H Bond Amination of Activated Secondary over Tertiary Alkyl C(sp <sup>3</sup> )-H Bonds. <i>Organic Letters</i> , <b>2016</b> , 18, 3014-7	6.2	44
48	Ligand-Controlled Synthesis of Azoles via Ir-Catalyzed Reactions of Sulfoxonium Ylides with 2-Amino Heterocycles. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 4158-69	4.2	62
47	Heteroleptic Nickel Complexes for the Markovnikov-Selective Hydroboration of Styrenes. <i>Organometallics</i> , <b>2016</b> , 35, 3436-3439	3.8	39
46	Catalyst-Controlled and Tunable, Chemoselective Silver-Catalyzed Intermolecular Nitrene Transfer: Experimental and Computational Studies. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14658-14667	16.4	113
45	Stereocontrolled Syntheses of Seven-Membered Carbocycles by Tandem Allene Aziridination/[4+3] Reaction. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 13434-13437	3.6	9
44	Mechanistic studies of copper(I)-catalyzed 1,3-halogen migration. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5346-54	16.4	46
43	Development of N-Heterocyclic Carbene-Copper Complexes for 1,3-Halogen Migration. <i>Organometallics</i> , <b>2015</b> , 34, 4164-4173	3.8	40
42	Oxidative Allene Amination for the Synthesis of Azetidin-3-ones. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 12265-12269	3.2	9
41	Formal Dyotropic Rearrangements in Organometallic Transformations. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 5897-5907	3.2	23
40	Oxidative allene amination for the synthesis of azetidin-3-ones. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12097-101	16.4	19
39	Aminosugar motifs via an allene aziridination strategy. <i>Tetrahedron</i> , <b>2014</b> , 70, 4128-4134	2.4	9
38	Ligand-controlled, tunable silver-catalyzed C-H amination. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16720-3	16.4	114
37	The conversion of allenes to strained three-membered heterocycles. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 3136-63	58.5	83
36	Aminodiols via stereocontrolled oxidation of methyleneaziridines. <i>Organic Letters</i> , <b>2014</b> , 16, 1696-9	6.2	14
35	Complete stereodivergence in the synthesis of 2-amino-1,3-diols from allenes. <i>Chemical Science</i> , <b>2014</b> , 5, 3046-3056	9.4	24
34	Chemoselective silver-catalyzed nitrene insertion reactions. <i>Pure and Applied Chemistry</i> , <b>2014</b> , 86, 381-393	3.1	35
33	Tunable, chemoselective amination via silver catalysis. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 17238-41	16.4	108

32	Chemoselective allene aziridination via Ag(I) catalysis. <i>Organic Letters</i> , <b>2013</b> , 15, 290-3	6.2	42
31	Stereocontrolled Synthesis of 1,3-Diamino-2-ols by Aminohydroxylation of Bicyclic Methylene-Aziridines. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 3667-3670	3.2	12
30	Divergent reactivity of allene-containing $\beta$ -diazoesters using Cu and Rh catalysis. <i>Tetrahedron</i> , <b>2013</b> , 69, 5614-5621	2.4	8
29	Activating Group Recycling: A Fresh Approach to Arene Functionalization. <i>Synlett</i> , <b>2013</b> , 24, 401-407	2.2	6
28	Copper-catalyzed recycling of halogen activating groups via 1,3-halogen migration. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 16131-4	16.4	75
27	Modular functionalization of allenes to aminated stereotriads. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10807-10	16.4	71
26	$\beta$ -Unsaturated imines via Ru-catalyzed coupling of allylic alcohols and amines. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 1746-9	3.9	57
25	Synthesis of propargylic and allenic carbamates via the C-H amination of alkynes. <i>Organic Letters</i> , <b>2012</b> , 14, 280-3	6.2	53
24	Beyond benzyl grignards: facile generation of benzyl carbanions from styrenes. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 9391-6	4.8	27
23	1,4-Diazaspiro[2.2]pentanes as a flexible platform for the synthesis of diamine-bearing stereotriads. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 2446-55	4.2	34
22	Synthesis of 1,3-diaminated stereotriads via rearrangement of 1,4-diazaspiro[2.2]pentanes. <i>Organic Letters</i> , <b>2012</b> , 14, 1704-7	6.2	30
21	Organometallics Roundtable 2011. <i>Organometallics</i> , <b>2012</b> , 31, 1-18	3.8	42
20	Allene functionalization via bicyclic methylene aziridines. <i>Organic Letters</i> , <b>2011</b> , 13, 1924-7	6.2	69
19	C $\beta$ amination/cyclocarbonylation of allene carbamates: a versatile platform for the synthesis of $\beta$ -unsaturated $\beta$ -lactams. <i>Tetrahedron</i> , <b>2011</b> , 67, 4318-4326	2.4	34
18	Selectivity in the addition reactions of organometallic reagents to aziridine-2-carboxaldehydes: the effects of protecting groups and substitution patterns. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 12326-39	4.8	14
17	Polymorphism of 5-(pyridin-2-ylmethylene)-3-phenyl-2-methylthio-3,5-dihydro-4H-imidazole-4-one. <i>CrystEngComm</i> , <b>2011</b> , 13, 3444	3.3	5
16	Cobalt-mediated, enantioselective synthesis of C(2) and C(1) dienes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 16365-7	16.4	24
15	Cobalt-mediated [3 + 2]-annulation reaction of alkenes with $\alpha,\beta$ -unsaturated ketones and imines. <i>Organic Letters</i> , <b>2009</b> , 11, 3698-700	6.2	24

14	Cobalt dinitrosoalkane complexes in the C-H functionalization of olefins. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 3777-9	16.4	41
13	Total synthesis of haterumalides NA and NC via a chromium-mediated macrocyclization. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 12228-9	16.4	33
12	Diastereomerically and enantiomerically pure 2,3-disubstituted pyrrolidines from 2,3-aziridin-1-ols using a sulfoxonium ylide: a one-carbon homologative relay ring expansion. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1996-2003	16.4	75
11	Tetrasubstituted pyrrolidines via a tandem aza-Payne/hydroamination reaction. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 3794-5	16.4	26
10	The synthesis of substituted phenylpyrimidines via Suzuki coupling reactions. <i>Journal of Heterocyclic Chemistry</i> , <b>2006</b> , 43, 127-131	1.9	22
9	One-pot regio- and stereoselective cyclization of 1,2,n-triols. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 6946-7	16.4	47
8	Synthesis of diastereomerically and enantiomerically pure 2,3-disubstituted tetrahydrofurans using a sulfoxonium ylide. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 13600-1	16.4	70
7	2,4,6-Trifluoropyrimidine. Reactions with nitrogen nucleophiles. <i>Journal of Heterocyclic Chemistry</i> , <b>2004</b> , 41, 991-993	1.9	5
6	Total synthesis of (+)-tanikolide via oxidative lactonization. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 621-4	3.9	36
5	Direct lactonization of alkenols via osmium tetroxide-mediated oxidative cleavage. <i>Organic Letters</i> , <b>2003</b> , 5, 3089-92	6.2	35
4	Arylation of halogenated pyrimidines via a Suzuki coupling reaction. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 7125-8	4.2	116
3	2,4,6-trichloropyrimidine. Reaction with anilines. <i>Journal of Heterocyclic Chemistry</i> , <b>2000</b> , 37, 1457-1462	1.9	12
2	2,4,6-Trichloropyrimidine. Reaction with sodium amide. <i>Journal of Heterocyclic Chemistry</i> , <b>1999</b> , 36, 1259-1261	1.9	8
1	Dimethyldioxirane (DDO)1-10		0