

Jennifer M Schomaker

List of Publications by Citations

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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	Arylation of halogenated pyrimidines via a Suzuki coupling reaction. <i>Journal of Organic Chemistry</i> , 2001 , 66, 7125-8	4.2	116
102	Ligand-controlled, tunable silver-catalyzed C-H amination. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16720-3	16.4	114
101	Catalyst-Controlled and Tunable, Chemoselective Silver-Catalyzed Intermolecular Nitrene Transfer: Experimental and Computational Studies. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14658-14667	16.4	113
100	Tunable, Chemo- and Site-Selective Nitrene Transfer Reactions through the Rational Design of Silver(I) Catalysts. <i>Accounts of Chemical Research</i> , 2017 , 50, 2147-2158	24.3	110
99	Tunable, chemoselective amination via silver catalysis. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17238-41	16.4	108
98	The conversion of allenes to strained three-membered heterocycles. <i>Chemical Society Reviews</i> , 2014 , 43, 3136-63	58.5	83
97	Copper-catalyzed recycling of halogen activating groups via 1,3-halogen migration. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16131-4	16.4	75
96	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> , 2007 , 129, 1996-2003	16.4	75
95	Mechanistic Aspects and Synthetic Applications of Radical Additions to Allenes. <i>Chemical Reviews</i> , 2019 , 119, 12422-12490	68.1	75
94	Modular functionalization of allenes to aminated stereotriads. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10807-10	16.4	71
93	Synthesis of diastereomerically and enantiomerically pure 2,3-disubstituted tetrahydrofurans using a sulfoxonium ylide. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13600-1	16.4	70
92	Allene functionalization via bicyclic methylene aziridines. <i>Organic Letters</i> , 2011 , 13, 1924-7	6.2	69
91	Ligand-Controlled Synthesis of Azoles via Ir-Catalyzed Reactions of Sulfoxonium Ylides with 2-Amino Heterocycles. <i>Journal of Organic Chemistry</i> , 2016 , 81, 4158-69	4.2	62
90	Unsaturated imines via Ru-catalyzed coupling of allylic alcohols and amines. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 1746-9	3.9	57
89	Synthesis of propargylic and allenic carbamates via the C-H amination of alkynes. <i>Organic Letters</i> , 2012 , 14, 280-3	6.2	53
88	A Stereoselective [3+1] Ring Expansion for the Synthesis of Highly Substituted Methylene Azetidines. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12229-12233	16.4	51
87	One-pot regio- and stereoselective cyclization of 1,2,n-triols. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6946-7	16.4	47

86	Chemo- and Enantioselective Intramolecular Silver-Catalyzed Aziridinations. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9944-9948	16.4	46
85	Mechanistic studies of copper(I)-catalyzed 1,3-halogen migration. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5346-54	16.4	46
84	A General Catalyst for Site-Selective C(sp ³)-H Bond Amination of Activated Secondary over Tertiary Alkyl C(sp ³)-H Bonds. <i>Organic Letters</i> , 2016 , 18, 3014-7	6.2	44
83	Catalyst-Controlled Nitrene Transfer by Tuning Metal:Ligand Ratios: Insight into the Mechanisms of Chemoselectivity. <i>Organometallics</i> , 2017 , 36, 1649-1661	3.8	43
82	Inverting Steric Effects: Using "Attractive" Noncovalent Interactions To Direct Silver-Catalyzed Nitrene Transfer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17376-17386	16.4	43
81	Chemoselective allene aziridination via Ag(I) catalysis. <i>Organic Letters</i> , 2013 , 15, 290-3	6.2	42
80	Organometallics Roundtable 2011. <i>Organometallics</i> , 2012 , 31, 1-18	3.8	42
79	Cobalt dinitrosoalkane complexes in the C-H functionalization of olefins. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3777-9	16.4	41
78	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> , 2017 , 139, 8029-8037	16.4	40
77	Development of N-Heterocyclic Carbene-Copper Complexes for 1,3-Halogen Migration. <i>Organometallics</i> , 2015 , 34, 4164-4173	3.8	40
76	Heteroleptic Nickel Complexes for the Markovnikov-Selective Hydroboration of Styrenes. <i>Organometallics</i> , 2016 , 35, 3436-3439	3.8	39
75	Total synthesis of (+)-tanikolide via oxidative lactonization. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 621-4	3.9	36
74	Chemoselective silver-catalyzed nitrene insertion reactions. <i>Pure and Applied Chemistry</i> , 2014 , 86, 381-393	2.1	35
73	Direct lactonization of alkenols via osmium tetroxide-mediated oxidative cleavage. <i>Organic Letters</i> , 2003 , 5, 3089-92	6.2	35
72	1,4-Diazaspiro[2.2]pentanes as a flexible platform for the synthesis of diamine-bearing stereotriads. <i>Journal of Organic Chemistry</i> , 2012 , 77, 2446-55	4.2	34
71	C ₆₀ amination/cyclocarbonylation of allene carbamates: a versatile platform for the synthesis of β -unsaturated lactams. <i>Tetrahedron</i> , 2011 , 67, 4318-4326	2.4	34
70	Total synthesis of haterumalides NA and NC via a chromium-mediated macrocyclization. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12228-9	16.4	33
69	Synthesis, Characterization, and Variable-Temperature NMR Studies of Silver(I) Complexes for Selective Nitrene Transfer. <i>Inorganic Chemistry</i> , 2017 , 56, 6725-6733	5.1	32

68	Synthesis of 1,3-diaminated stereotriads via rearrangement of 1,4-diazaspiro[2.2]pentanes. <i>Organic Letters</i> , 2012 , 14, 1704-7	6.2	30
67	Silver-Catalyzed Enantioselective Propargylic C-H Bond Amination through Rational Ligand Design. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12930-12936	16.4	30
66	Ring Expansion of Bicyclic Methyleneaziridines via Concerted, Near-Barrierless [2,3]-Stevens Rearrangements of Aziridinium Ylides. <i>ACS Catalysis</i> , 2018 , 8, 7907-7914	13.1	29
65	Beyond benzyl grignards: facile generation of benzyl carbanions from styrenes. <i>Chemistry - A European Journal</i> , 2012 , 18, 9391-6	4.8	27
64	Tunable catalyst-controlled syntheses of β - and γ -amino alcohols enabled by silver-catalysed nitrene transfer. <i>Nature Catalysis</i> , 2019 , 2, 899-908	36.5	26
63	Stereocontrolled Syntheses of Seven-Membered Carbocycles by Tandem Allene Aziridination/[4+3] Reaction. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13240-13243	16.4	26
62	Diastereoselective Synthesis of the Aminocyclitol Core of Jogyamycin via an Allene Aziridination Strategy. <i>Organic Letters</i> , 2016 , 18, 284-7	6.2	26
61	Tetrasubstituted pyrrolidines via a tandem aza-Payne/hydroamination reaction. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3794-5	16.4	26
60	Complete stereodivergence in the synthesis of 2-amino-1,3-diols from allenes. <i>Chemical Science</i> , 2014 , 5, 3046-3056	9.4	24
59	Cobalt-mediated, enantioselective synthesis of C(2) and C(1) dienes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16365-7	16.4	24
58	Cobalt-mediated [3 + 2]-annulation reaction of alkenes with α,β -unsaturated ketones and imines. <i>Organic Letters</i> , 2009 , 11, 3698-700	6.2	24
57	Formal Dyotropic Rearrangements in Organometallic Transformations. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 5897-5907	3.2	23
56	Nitrene transfer catalysts for enantioselective C-N bond formation. <i>Nature Reviews Chemistry</i> , 2021 , 5, 580-594	34.6	23
55	The synthesis of substituted phenylpyrimidines via suzuki coupling reactions. <i>Journal of Heterocyclic Chemistry</i> , 2006 , 43, 127-131	1.9	22
54	Tunable differentiation of tertiary C-H bonds in intramolecular transition metal-catalyzed nitrene transfer reactions. <i>Chemical Communications</i> , 2017 , 53, 4346-4349	5.8	19
53	Oxidative allene amination for the synthesis of azetidin-3-ones. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12097-101	16.4	19
52	β -Tetrasubstituted Aldehydes through Electronic and Strain-Controlled Branch-Selective Stereoselective Hydroformylation. <i>Journal of Organic Chemistry</i> , 2018 , 83, 10207-10220	4.2	17
51	Aminodiols via stereocontrolled oxidation of methyleneaziridines. <i>Organic Letters</i> , 2014 , 16, 1696-9	6.2	14

50	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> , 2011 , 17, 12326-12339	4.8	14
49	Regioselective differentiation of vicinal methylene C-H bonds enabled by silver-catalysed nitrene transfer. <i>Chemical Communications</i> , 2019 , 55, 7362-7365	5.8	12
48	Intermolecular [3+3] ring expansion of aziridines to dehydropiperidines through the intermediacy of aziridinium ylides. <i>Nature Communications</i> , 2020 , 11, 1273	17.4	12
47	Stereocontrolled Synthesis of 1,3-Diamino-2-ols by Aminohydroxylation of Bicyclic Methylene-Aziridines. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 3667-3670	3.2	12
46	2,4,6-trichloropyrimidine. Reaction with anilines. <i>Journal of Heterocyclic Chemistry</i> , 2000 , 37, 1457-1462	1.9	12
45	Triple, Mutually Orthogonal Bioorthogonal Pairs through the Design of Electronically Activated Sulfamate-Containing Cycloalkynes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18826-18835	16.4	11
44	Site-Selective, Catalyst-Controlled Alkene Aziridination. <i>Synthesis</i> , 2018 , 50, 4462-4470	2.9	10
43	A Stereoselective [3+1] Ring Expansion for the Synthesis of Highly Substituted Methylene Azetidines. <i>Angewandte Chemie</i> , 2017 , 129, 12397-12401	3.6	10
42	Fluorinated Amine Stereotriads via Allene Amination. <i>Organic Letters</i> , 2017 , 19, 3239-3242	6.2	9
41	Rh-Catalyzed Aziridine Ring Expansions to Dehydropiperazines. <i>Organic Letters</i> , 2020 , 22, 3637-3641	6.2	9
40	Investigation of transition metal-catalyzed nitrene transfer reactions in water. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 5270-5273	3.4	9
39	Aminosugar motifs via an allene aziridination strategy. <i>Tetrahedron</i> , 2014 , 70, 4128-4134	2.4	9
38	Chemo- and Enantioselective Intramolecular Silver-Catalyzed Aziridinations. <i>Angewandte Chemie</i> , 2017 , 129, 10076-10080	3.6	9
37	Stereocontrolled Syntheses of Seven-Membered Carbocycles by Tandem Allene Aziridination/[4+3] Reaction. <i>Angewandte Chemie</i> , 2016 , 128, 13434-13437	3.6	9
36	Regioselective Intramolecular Allene Amidation Enabled by an EDA Complex*. <i>Chemistry - A European Journal</i> , 2020 , 26, 13783-13787	4.8	9
35	Divergent reactivity of allene-containing β -diazoesters using Cu and Rh catalysis. <i>Tetrahedron</i> , 2013 , 69, 5614-5621	2.4	8
34	2,4,6-Trichloropyrimidine. Reaction with sodium amide. <i>Journal of Heterocyclic Chemistry</i> , 1999 , 36, 1259-1261	1.2	8
33	Silver-Catalyzed Carbene, Nitrene, and Silylene Transfer Reactions 2019 , 439-532		8

32	Tandem Oxidative Derivatization of Nitrene Insertion Products for the Highly Diastereoselective Synthesis of 1,3-aminoalcohols. <i>Chemistry - A European Journal</i> , 2017 , 23, 8571-8576	4.8	6
31	Biomimetic 2-Imino-Nazarov Cyclizations via Eneallene Aziridination. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5568-5573	16.4	6
30	Synthetic Applications of Flexible SNO-OCT Strained Alkynes and Their Use in Postpolymerization Modifications. <i>Journal of Organic Chemistry</i> , 2017 , 82, 9038-9046	4.2	6
29	Activating Group Recycling: A Fresh Approach to Arene Functionalization. <i>Synlett</i> , 2013 , 24, 401-407	2.2	6
28	Aziridinium Ylides: Underutilized Intermediates for Complex Amine Synthesis. <i>Trends in Chemistry</i> , 2020 , 2, 874-887	14.8	6
27	Regioselective Rh-Catalyzed Hydroformylation of 1,1,3-Trisubstituted Allenes Using BisDiazaPhos Ligand. <i>Journal of Organic Chemistry</i> , 2017 , 82, 9270-9278	4.2	5
26	Rigidifying Ag(I) Complexes for Selective Nitrene Transfer. <i>ChemCatChem</i> , 2020 , 12, 3076-3081	5.2	5
25	Polymorphism of 5-(pyridin-2-ylmethylene)-3-phenyl-2-methylthio-3,5-dihydro-4H-imidazole-4-one. <i>CrystEngComm</i> , 2011 , 13, 3444	3.3	5
24	2,4,6-Trifluoropyrimidine. Reactions with nitrogen nucleophiles. <i>Journal of Heterocyclic Chemistry</i> , 2004 , 41, 991-993	1.9	5
23	Diastereoselective Au-Catalyzed Allene Cycloisomerizations to Highly Substituted Cyclopentenes. <i>Organic Letters</i> , 2017 , 19, 3394-3397	6.2	4
22	Sequential Reduction of Nitroalkanes Mediated by CS and Amidine/Guanidine Bases: A Controllable Nef Reaction. <i>Organic Letters</i> , 2019 , 21, 8893-8898	6.2	4
21	Stereocontrolled Synthesis of the Aminocyclopentitol Core of Jogyamycin via an Ichikawa Rearrangement Reaction. <i>Journal of Organic Chemistry</i> , 2019 , 84, 14092-14100	4.2	4
20	Recent Developments and Strategies for Mutually Orthogonal Bioorthogonal Reactions. <i>ChemBioChem</i> , 2021 , 22, 3254-3262	3.8	4
19	Taming Nitrene Reactivity with Silver Catalysts. <i>Synlett</i> , 2021 , 32, 30-44	2.2	4
18	Oxidative allene amination for the synthesis of nitrogen-containing heterocycles. <i>Arkivoc</i> , 2018 , 2018, 204-233	0.9	3
17	Method for Small-Scale Production of Deuteriochloroform. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8739-8742	4.2	3
16	.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	3
15	Scope and Mechanistic Investigations of Pd-Catalyzed Coupling/Cyclization and Cycloisomerization of Allenyl Malonates. <i>ACS Catalysis</i> , 2021 , 11, 9485-9494	13.1	3

14	An Enantiotropic Disorder Partial Order Solid-State Transformation in a Molecular Solid Involving a Phase with $Z' = 12$. <i>Crystal Growth and Design</i> , 2017 , 17, 5984-5993	3.5	2
13	Oxidative Allene Amination for the Synthesis of Azetidin-3-ones. <i>Angewandte Chemie</i> , 2015 , 127, 12265-12269	12.2	2
12	Tunable Aziridinium Ylide Reactivity: Non-covalent Interactions Enable Divergent Product Outcomes.. <i>ACS Catalysis</i> , 2022 , 12, 1572-1580	13.1	2
11	Pd-Catalyzed Heck-Type Reactions of Allenes for Stereoselective Syntheses of Substituted 1,3-Dienes. <i>Chemistry - A European Journal</i> , 2021 , 28, e202103507	4.8	2
10	Re-evaluation of the mechanism of cytotoxicity of dialkylated lariat ether compounds. <i>RSC Advances</i> , 2020 , 10, 40391-40394	3.7	2
9	Allene Trifunctionalization Amidyl Radical Cyclization and TEMPO Trapping. <i>Journal of Organic Chemistry</i> , 2021 , 86, 8891-8899	4.2	2
8	Strategies for the Syntheses of Pactamycin and Jogyamycin. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14252-14271	16.4	2
7	Stereodivergent Metal-Catalyzed Allene Cycloisomerizations. <i>Synlett</i> , 2020 , 11, 627-631	2.2	1
6	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> , 2021 , 1-100	3.8	1
5	Tunable Silver-Catalyzed Nitrene Transfer: From Chemoselectivity to Enantioselective C-H Amination. <i>ACS Catalysis</i> , 2022 , 12, 5527-5539	13.1	1
4	Dimethyldioxirane (DDO)1-10		0
3	Silver-catalyzed enantioselective functionalizations of alkenes and alkynes: A short review. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 30, 100483	7.9	0
2	Strategien für die Synthese von Pactamycin und Jogyamycin. <i>Angewandte Chemie</i> , 2021 , 133, 14372-14392	13.6	0
1	Allene Aziridination as a Tool for the Synthesis of Complex Amines 2018 , 231-283		