

# Sherry R Chemler

## List of Publications by Year in descending order

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62  
papers

5,618  
citations

76326

40  
h-index

118850

62  
g-index

79  
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79  
docs citations

79  
times ranked

3777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal Carbides as Alternative Electrocatalyst Supports. <i>ACS Catalysis</i> , 2013, 3, 1184-1194.	11.2	358
2	Catalytic Aminohalogenation of Alkenes and Alkynes. <i>ACS Catalysis</i> , 2013, 3, 1076-1091.	11.2	330
3	Heterocycle synthesis by copper facilitated addition of heteroatoms to alkenes, alkynes and arenes. <i>Chemical Society Reviews</i> , 2007, 36, 1153.	38.1	317
4	The enantioselective intramolecular aminative functionalization of unactivated alkenes, dienes, allenes and alkynes for the synthesis of chiral nitrogen heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3009.	2.8	260
5	Copper(II)-Catalyzed Enantioselective Intramolecular Carboamination of Alkenes. <i>Journal of the American Chemical Society</i> , 2007, 129, 12948-12949.	13.7	252
6	Copper Catalyzed Enantioselective Intramolecular Aminoxygenation of Alkenes. <i>Journal of the American Chemical Society</i> , 2008, 130, 17638-17639.	13.7	246
7	Tris(dimethylamino)sulfonium Difluorotrimethylsilicate, a Mild Reagent for the Removal of Silicon Protecting Groups. <i>Journal of Organic Chemistry</i> , 1998, 63, 6436-6437.	3.2	234
8	Copper(II) Acetate Promoted Intramolecular Diamination of Unactivated Olefins. <i>Journal of the American Chemical Society</i> , 2005, 127, 11250-11251.	13.7	203
9	Copper-Promoted and Copper-Catalyzed Intermolecular Alkene Diamination. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6365-6368.	13.8	201
10	Copper-Catalyzed Enantioselective Intramolecular Alkene Amination/Intermolecular Heck-Type Coupling Cascade. <i>Journal of the American Chemical Society</i> , 2012, 134, 2020-2023.	13.7	176
11	Palladium(II)-Catalyzed Intramolecular Aminobromination and Aminochlorination of Olefins. <i>Organometallics</i> , 2004, 23, 5618-5621.	2.3	160
12	Copper-Catalyzed Intramolecular Alkene Carboetherification: Synthesis of Fused-Ring and Bridged-Ring Tetrahydrofurans. <i>Journal of the American Chemical Society</i> , 2012, 134, 12149-12156.	13.7	152
13	Pyrrolidine and Piperidine Formation via Copper(II) Carboxylate-Promoted Intramolecular Carboamination of Unactivated Olefins: Diastereoselectivity and Mechanism. <i>Journal of Organic Chemistry</i> , 2007, 72, 3896-3905.	3.2	149
14	Catalytic Enantioselective Alkene Aminohalogenation/Cyclization Involving Atom Transfer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3923-3927.	13.8	145
15	Phenanthroindolizidines and Phenanthroquinolizidines: Promising Alkaloids for Anti-Cancer Therapy. <i>Current Bioactive Compounds</i> , 2009, 5, 2-19.	0.5	125
16	Copper-Catalyzed Oxidative Amination and Allylic Amination of Alkenes. <i>Chemistry - A European Journal</i> , 2013, 19, 12771-12777.	3.3	125
17	Copper(II) Acetate Promoted Oxidative Cyclization of Arylsulfonyl-o-allylanilines. <i>Organic Letters</i> , 2004, 6, 1573-1575.	4.6	123
18	Copper(II) Carboxylate Promoted Intramolecular Diamination of Terminal Alkenes: Improved Reaction Conditions and Expanded Substrate Scope. <i>Organic Letters</i> , 2007, 9, 2035-2038.	4.6	107

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19	Copper-catalyzed alkene diamination: synthesis of chiral 2-aminomethyl indolines and pyrrolidines. <i>Chemical Science</i> , 2014, 5, 1786-1793.	7.4	100
20	Copper-Catalyzed Oxidative Heck Reactions between Alkyltrifluoroborates and Vinyl Arenes. <i>Organic Letters</i> , 2013, 15, 3034-3037.	4.6	97
21	Diastereoselective Pyrrolidine Synthesis via Copper Promoted Intramolecular Aminooxygenation of Alkenes: Formal Synthesis of (+)-Monomorine. <i>Organic Letters</i> , 2009, 11, 1915-1918.	4.6	92
22	Diastereo- and Enantioselective Copper-Catalyzed Intramolecular Carboamination of Alkenes for the Synthesis of Hexahydro-1 <i>H</i> -benz[ <i>f</i> ]indoles. <i>Organic Letters</i> , 2010, 12, 4739-4741.	4.6	89
23	Enantioselective Copper-Catalyzed Carboetherification of Unactivated Alkenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6383-6387.	13.8	88
24	Stereoselective Synthesis of Morpholines via Copper-Promoted Oxyamination of Alkenes. <i>Organic Letters</i> , 2012, 14, 4482-4485.	4.6	86
25	Stereoselective and Regioselective Synthesis of Heterocycles via Copper-Catalyzed Additions of Amine Derivatives and Alcohols to Alkenes. <i>Journal of Organic Chemistry</i> , 2017, 82, 11311-11325.	3.2	75
26	Evolution of copper(II) as a new alkene amination promoter and catalyst. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 150-158.	1.8	74
27	Copper(II) Carboxylate-Promoted Intramolecular Carboamination of Alkenes for the Synthesis of Polycyclic Lactams. <i>Organic Letters</i> , 2007, 9, 5477-5480.	4.6	73
28	Total Synthesis of ( <i>S</i> )-(+)-Tylophorine Via Enantioselective Intramolecular Alkene Carboamination. <i>Journal of Organic Chemistry</i> , 2008, 73, 6045-6047.	3.2	71
29	Evidence for Alkene <i>cis</i> -Aminocupration, an Aminooxygenation Case Study: Kinetics, EPR Spectroscopy, and DFT Calculations. <i>Chemistry - A European Journal</i> , 2012, 18, 1711-1726.	3.3	67
30	Chiral Indoline Synthesis via Enantioselective Intramolecular Copper-Catalyzed Alkene Hydroamination. <i>Organometallics</i> , 2012, 31, 7819-7822.	2.3	61
31	Mechanistic Analysis and Optimization of the Copper-Catalyzed Enantioselective Intramolecular Alkene Aminooxygenation. <i>Journal of Organic Chemistry</i> , 2013, 78, 506-515.	3.2	60
32	Copper's Contribution to Amination Catalysis. <i>Science</i> , 2013, 341, 624-626.	12.6	60
33	Copper catalysis in organic synthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2252-2253.	2.2	60
34	Stereochemistry of the Allylation and Crotylation Reactions of $\hat{1}\pm$ -Methyl- $\hat{1}^2$ -hydroxy Aldehydes with Allyl- and Crotyltrifluorosilanes. Synthesis of anti,anti-Dipropionate Stereotriads and Stereodivergent Pathways for the Reactions with 2,3-anti- and 2,3-syn- $\hat{1}\pm$ -Methyl- $\hat{1}^2$ -hydroxy Aldehydes. <i>Journal of Organic Chemistry</i> , 2003, 68, 1319-1333.	3.2	58
35	Copper(II)-Catalyzed Aminooxygenation and Carboamination of <i>N</i> -Aryl- $\alpha$ -allylanilines. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 467-471.	4.3	58
36	Stereoselective Isoxazolidine Synthesis Via Copper-Catalyzed Alkene Aminooxygenation. <i>Journal of Organic Chemistry</i> , 2012, 77, 7755-7760.	3.2	55

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37	Stereoselective Synthesis of Isoxazolidines via Copper-Catalyzed Alkene Diamination. <i>ACS Catalysis</i> , 2017, 7, 4775-4779.	11.2	53
38	Direct Synthesis of 2-Formylpyrrolidines, 2-Pyrrolidinones and 2-Dihydrofuranones via Aerobic Copper-Catalyzed Aminooxygenation and Dioxygenation of 4-Pentenylsulfonamides and 4-Pentenylalcohols. <i>Journal of the American Chemical Society</i> , 2017, 139, 9515-9518.	13.7	50
39	Synthesis of 2-Aryl- and 2-Vinylpyrrolidines via Copper-Catalyzed Coupling of Styrenes and Dienes with Potassium $\beta^2$ -Aminoethyl Trifluoroborates. <i>Organic Letters</i> , 2016, 18, 2515-2518.	4.6	42
40	Stereoselective Copper-Catalyzed Intramolecular Alkene Aminooxygenation: Effects of Substrate and Ligand Structure on Selectivity. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3679-3684.	2.4	41
41	Membrane Disruption by Very Long Chain Fatty Acids during Necroptosis. <i>ACS Chemical Biology</i> , 2019, 14, 2286-2294.	3.4	28
42	Copper-Catalyzed Enantioselective Hydroalkoxylation of Alkenols for the Synthesis of Cyclic Ethers. <i>Organic Letters</i> , 2020, 22, 7409-7414.	4.6	28
43	Synthesis of Spirocyclic Ethers by Enantioselective Copper-Catalyzed Carboetherification of Alkenols. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12921-12924.	13.8	27
44	Small-Molecule MMRi62 Induces Ferroptosis and Inhibits Metastasis in Pancreatic Cancer via Degradation of Ferritin Heavy Chain and Mutant p53. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 535-545.	4.1	27
45	Synthesis of Phthalans Via Copper-Catalyzed Enantioselective Cyclization/Carboetherification of 2-Vinylbenzyl Alcohols. <i>Organic Letters</i> , 2018, 20, 6453-6456.	4.6	26
46	Copper(II)-Promoted Cyclization/Difunctionalization of Allenols and Allenylsulfonamides: Synthesis of Heterocycle-Functionalized Vinyl Carboxylate Esters. <i>Organic Letters</i> , 2015, 17, 5958-5961.	4.6	25
47	6-Azabicyclo[3.2.1]octanes via Copper-Catalyzed Enantioselective Alkene Carboamination. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2697-2702.	4.3	22
48	Protein acylation by saturated very long chain fatty acids and endocytosis are involved in necroptosis. <i>Cell Chemical Biology</i> , 2021, 28, 1298-1309.e7.	5.2	21
49	Multigram Synthesis of a Chiral Substituted Indoline Via Copper-Catalyzed Alkene Aminooxygenation. <i>Synthesis</i> , 2012, 44, 1481-1484.	2.3	20
50	Synthesis of Benzyl Amines via Copper-Catalyzed Enantioselective Aza-Friedel-Crafts Addition of Phenols to N-Sulfonyl Aldimines. <i>Organic Letters</i> , 2018, 20, 2133-2137.	4.6	20
51	Enantioselective, Aerobic Copper-Catalyzed Intramolecular Carboamination and Carboetherification of Unactivated Alkenes. <i>ACS Catalysis</i> , 2020, 10, 8535-8541.	11.2	20
52	Synthesis of Benzylureas and Related Amine Derivatives via Copper-Catalyzed Three-Component Carboamination of Styrenes. <i>Organic Letters</i> , 2020, 22, 8365-8369.	4.6	18
53	A Computational Study of the Copper(II)-Catalyzed Enantioselective Intramolecular Aminooxygenation of Alkenes. <i>Journal of Organic Chemistry</i> , 2013, 78, 10288-10297.	3.2	17
54	Copper-Catalyzed Synthesis of N-Aryl and N-Sulfonyl Indoles from 2-Vinylanilines with O <sub>2</sub> as Terminal Oxidant and TEMPO as Cocatalyst. <i>Synlett</i> , 2015, 26, 335-339.	1.8	17

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55	Synthesis of Saturated Heterocycles via Metal-Catalyzed Alkene Diamination, Aminoalkoxylation, or Dialkoxylation Reactions. <i>Topics in Heterocyclic Chemistry</i> , 2013, , 39-75.	0.2	14
56	Saturated oxygen and nitrogen heterocycles <i>via</i> oxidative coupling of alkyltrifluoroborates with alkenols, alkenoic acids and protected alkenylamines. <i>Chemical Science</i> , 2019, 10, 9265-9269.	7.4	13
57	Copper-promoted synthesis of 1,4-benzodiazepinones via alkene diamination. <i>Tetrahedron Letters</i> , 2015, 56, 3686-3689.	1.4	8
58	Copper-catalyzed enantioselective alkene carboetherification for the synthesis of saturated six-membered cyclic ethers. <i>Chemical Communications</i> , 2021, 57, 10099-10102.	4.1	8
59	Synthesis of Spirocyclic Ethers by Enantioselective Copper-Catalyzed Carboetherification of Alkenols. <i>Angewandte Chemie</i> , 2018, 130, 13103-13106.	2.0	5
60	Copper-Catalyzed Enantioselective Oxysulfonylation of Alkenols: Synthesis of Arylthiomethyl-Substituted Cyclic Ethers. <i>ACS Catalysis</i> , 0, , 7559-7564.	11.2	5
61	Copper-catalyzed enantioselective synthesis of bridged bicyclic ketals from 1,1-disubstituted-4-methylene-1,6-hexanediols and related alkenols. <i>Chemical Communications</i> , 2021, 57, 105-108.	4.1	2
62	Stereochemistry of the Allylation and Crotylation Reactions of $\hat{1}\pm$ -Methyl- $\hat{1}^2$ -hydroxy Aldehydes with Allyl- and Crotyltrifluorosilanes. Synthesis of anti,anti-Dipropionate Stereotriads and Stereodivergent Pathways for the Reactions with 2,3-anti- and 2,3-syn- $\hat{1}\pm$ -Methyl- $\hat{1}^2$ -hydroxy Aldehydes.. <i>ChemInform</i> , 2003, 34, no.	0.0	0