Sherry R Chemler

List of Publications by Year
in descending order

62	5,618	76294	118793
papers	citations	40 h-index	62 g-index

79	79	79	3777
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal Carbides as Alternative Electrocatalyst Supports. ACS Catalysis, 2013, 3, 1184-1194.	5.5	358
2	Catalytic Aminohalogenation of Alkenes and Alkynes. ACS Catalysis, 2013, 3, 1076-1091.	5.5	330
3	Heterocycle synthesis by copper facilitated addition of heteroatoms to alkenes, alkynes and arenes. Chemical Society Reviews, 2007, 36, 1153.	18.7	317
4	The enantioselective intramolecular aminative functionalization of unactivated alkenes, dienes, allenes and alkynes for the synthesis of chiral nitrogen heterocycles. Organic and Biomolecular Chemistry, 2009, 7, 3009.	1.5	260
5	Copper(II)-Catalyzed Enantioselective Intramolecular Carboamination of Alkenes. Journal of the American Chemical Society, 2007, 129, 12948-12949.	6.6	252
6	Copper Catalyzed Enantioselective Intramolecular Aminooxygenation of Alkenes. Journal of the American Chemical Society, 2008, 130, 17638-17639.	6.6	246
7	Tris(dimethylamino)sulfonium Difluorotrimethylsilicate, a Mild Reagent for the Removal of Silicon Protecting Groups. Journal of Organic Chemistry, 1998, 63, 6436-6437.	1.7	234
8	Copper(II) Acetate Promoted Intramolecular Diamination of Unactivated Olefins. Journal of the American Chemical Society, 2005, 127, 11250-11251.	6.6	203
9	Copperâ€Promoted and Copperâ€Catalyzed Intermolecular Alkene Diamination. Angewandte Chemie - International Edition, 2010, 49, 6365-6368.	7.2	201
10	Copper-Catalyzed Enantioselective Intramolecular Alkene Amination/Intermolecular Heck-Type Coupling Cascade. Journal of the American Chemical Society, 2012, 134, 2020-2023.	6.6	176
11	Palladium(II)-Catalyzed Intramolecular Aminobromination and Aminochlorination of Olefins. Organometallics, 2004, 23, 5618-5621.	1.1	160
12	Copper-Catalyzed Intramolecular Alkene Carboetherification: Synthesis of Fused-Ring and Bridged-Ring Tetrahydrofurans. Journal of the American Chemical Society, 2012, 134, 12149-12156.	6.6	152
13	Pyrrolidine and Piperidine Formation via Copper(II) Carboxylate-Promoted Intramolecular Carboamination of Unactivated Olefins:Â Diastereoselectivity and Mechanism. Journal of Organic Chemistry, 2007, 72, 3896-3905.	1.7	149
14	Catalytic Enantioselective Alkene Aminohalogenation/Cyclization Involving Atom Transfer. Angewandte Chemie - International Edition, 2012, 51, 3923-3927.	7.2	145
15	Phenanthroindolizidines and Phenanthroquinolizidines: Promising Alkaloids for Anti-Cancer Therapy. Current Bioactive Compounds, 2009, 5, 2-19.	0.2	125
16	Copperâ€Catalyzed Oxidative Amination and Allylic Amination of Alkenes. Chemistry - A European Journal, 2013, 19, 12771-12777.	1.7	125
17	Copper(II) Acetate Promoted Oxidative Cyclization of Arylsulfonyl-o-allylanilines. Organic Letters, 2004, 6, 1573-1575.	2.4	123
18	Copper(II) Carboxylate Promoted Intramolecular Diamination of Terminal Alkenes:Â Improved Reaction Conditions and Expanded Substrate Scope. Organic Letters, 2007, 9, 2035-2038.	2.4	107

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19	Copper-catalyzed alkene diamination: synthesis of chiral 2-aminomethyl indolines and pyrrolidines. Chemical Science, 2014, 5, 1786-1793.	3.7	100
20	Copper-Catalyzed Oxidative Heck Reactions between Alkyltrifluoroborates and Vinyl Arenes. Organic Letters, 2013, 15, 3034-3037.	2.4	97
21	Diastereoselective Pyrrolidine Synthesis via Copper Promoted Intramolecular Aminooxygenation of Alkenes: Formal Synthesis of (+)-Monomorine. Organic Letters, 2009, 11, 1915-1918.	2.4	92
22	Diastereo- and Enantioselective Copper-Catalyzed Intramolecular Carboamination of Alkenes for the Synthesis of Hexahydro-1H-benz[f]indoles. Organic Letters, 2010, 12, 4739-4741.	2.4	89
23	Enantioselective Copperâ€Catalyzed Carboetherification of Unactivated Alkenes. Angewandte Chemie - International Edition, 2014, 53, 6383-6387.	7.2	88
24	Stereoselective Synthesis of Morpholines via Copper-Promoted Oxyamination of Alkenes. Organic Letters, 2012, 14, 4482-4485.	2.4	86
25	Stereoselective and Regioselective Synthesis of Heterocycles via Copper-Catalyzed Additions of Amine Derivatives and Alcohols to Alkenes. Journal of Organic Chemistry, 2017, 82, 11311-11325.	1.7	75
26	Evolution of copper(II) as a new alkene amination promoter and catalyst. Journal of Organometallic Chemistry, 2011, 696, 150-158.	0.8	74
27	Copper(II) Carboxylate-Promoted Intramolecular Carboamination of Alkenes for the Synthesis of Polycyclic Lactams. Organic Letters, 2007, 9, 5477-5480.	2.4	73
28	Total Synthesis of (S)-(+)-Tylophorine Via Enantioselective Intramolecular Alkene Carboamination. Journal of Organic Chemistry, 2008, 73, 6045-6047.	1.7	71
29	Evidence for Alkene cisâ€Aminocupration, an Aminooxygenation Case Study: Kinetics, EPR Spectroscopy, and DFT Calculations. Chemistry - A European Journal, 2012, 18, 1711-1726.	1.7	67
30	Chiral Indoline Synthesis via Enantioselective Intramolecular Copper-Catalyzed Alkene Hydroamination. Organometallics, 2012, 31, 7819-7822.	1.1	61
31	Mechanistic Analysis and Optimization of the Copper-Catalyzed Enantioselective Intramolecular Alkene Aminooxygenation. Journal of Organic Chemistry, 2013, 78, 506-515.	1.7	60
32	Copper's Contribution to Amination Catalysis. Science, 2013, 341, 624-626.	6.0	60
33	Copper catalysis in organic synthesis. Beilstein Journal of Organic Chemistry, 2015, 11, 2252-2253.	1.3	60
34	Stereochemistry of the Allylation and Crotylation Reactions of Î±-Methyl-Î²-hydroxy Aldehydes with Allyl- and Crotyltrifluorosilanes. Synthesis ofanti,anti-Dipropionate Stereotriads and Stereodivergent Pathways for the Reactions with 2,3-anti-and 2,3-syn-Î±-Methyl-Î²-hydroxy Aldehydes. Journal of Organic Chemistry, 2003, 68, 1319-1333.	1.7	58
35	Copper(II)â€Catalyzed Aminooxygenation and Carboamination of Nâ€Arylâ€2â€allylanilines. Advanced Synthesis and Catalysis, 2009, 351, 467-471.	2.1	58
36	Stereoselective Isoxazolidine Synthesis Via Copper-Catalyzed Alkene Aminooxygenation. Journal of Organic Chemistry, 2012, 77, 7755-7760.	1.7	55

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37	Stereoselective Synthesis of Isoxazolidines via Copper-Catalyzed Alkene Diamination. ACS Catalysis, 2017, 7, 4775-4779.	5.5	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. Journal of the American Chemical Society, 2017, 139, 9515-9518.	6.6	50
39	Synthesis of 2-Aryl- and 2-Vinylpyrrolidines via Copper-Catalyzed Coupling of Styrenes and Dienes with Potassium Î²-Aminoethyl Trifluoroborates. Organic Letters, 2016, 18, 2515-2518.	2.4	42
40	Stereoselective Copperâ€Catalyzed Intramolecular Alkene Aminooxygenation: Effects of Substrate and Ligand Structure on Selectivity. European Journal of Organic Chemistry, 2011, 2011, 3679-3684.	1.2	41
41	Membrane Disruption by Very Long Chain Fatty Acids during Necroptosis. ACS Chemical Biology, 2019, 14, 2286-2294.	1.6	28
42	Copper-Catalyzed Enantioselective Hydroalkoxylation of Alkenols for the Synthesis of Cyclic Ethers. Organic Letters, 2020, 22, 7409-7414.	2.4	28
43	Synthesis of Spirocyclic Ethers by Enantioselective Copperâ€Catalyzed Carboetherification of Alkenols. Angewandte Chemie - International Edition, 2018, 57, 12921-12924.	7.2	27
44	Small-Molecule MMRi62 Induces Ferroptosis and Inhibits Metastasis in Pancreatic Cancer via Degradation of Ferritin Heavy Chain and Mutant p53. Molecular Cancer Therapeutics, 2022, 21, 535-545.	1.9	27
45	Synthesis of Phthalans Via Copper-Catalyzed Enantioselective Cyclization/Carboetherification of 2-Vinylbenzyl Alcohols. Organic Letters, 2018, 20, 6453-6456.	2.4	26
46	Copper(II)-Promoted Cyclization/Difunctionalization of Allenols and Allenylsulfonamides: Synthesis of Heterocycle-Functionalized Vinyl Carboxylate Esters. Organic Letters, 2015, 17, 5958-5961.	2.4	25
47	6â€Azabicyclo[3.2.1]octanes via Copperâ€Catalyzed Enantioselective Alkene Carboamination. Advanced Synthesis and Catalysis, 2014, 356, 2697-2702.	2.1	22
48	Protein acylation by saturated very long chain fatty acids and endocytosis are involved in necroptosis. Cell Chemical Biology, 2021, 28, 1298-1309.e7.	2.5	21
49	Multigram Synthesis of a Chiral Substituted Indoline Via Copper-Catalyzed Alkene Aminooxygenation. Synthesis, 2012, 44, 1481-1484.	1.2	20
50	Synthesis of Benzyl Amines via Copper-Catalyzed Enantioselective Aza-Friedelâ€“Crafts Addition of Phenols to N-Sulfonyl Aldimines. Organic Letters, 2018, 20, 2133-2137.	2.4	20
51	Enantioselective, Aerobic Copper-Catalyzed Intramolecular Carboamination and Carboetherification of Unactivated Alkenes. ACS Catalysis, 2020, 10, 8535-8541.	5.5	20
52	Synthesis of Benzylureas and Related Amine Derivatives via Copper-Catalyzed Three-Component Carboamination of Styrenes. Organic Letters, 2020, 22, 8365-8369.	2.4	18
53	A Computational Study of the Copper(II)-Catalyzed Enantioselective Intramolecular Aminooxygenation of Alkenes. Journal of Organic Chemistry, 2013, 78, 10288-10297.	1.7	17
54	Copper-Catalyzed Synthesis of N-Aryl and N-Sulfonyl Indoles from 2-VinylÂanilines with O2 as Terminal Oxidant and TEMPO as Cocatalyst. Synlett, 2015, 26, 335-339.	1.0	17

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55	Synthesis of Saturated Heterocycles via Metal-Catalyzed Alkene Diamination, Aminoalkoxylation, or Dialkoxylation Reactions. Topics in Heterocyclic Chemistry, 2013, , 39-75.	0.2	14
56	Saturated oxygen and nitrogen heterocycles via oxidative coupling of alkyltrifluoroborates with alkenols, alkenoic acids and protected alkenylamines. Chemical Science, 2019, 10, 9265-9269.	3.7	13
57	Copper-promoted synthesis of 1,4-benzodiazepinones via alkene diamination. Tetrahedron Letters, 2015, 56, 3686-3689.	0.7	8
58	Copper-catalyzed enantioselective alkene carboetherification for the synthesis of saturated six-membered cyclic ethers. Chemical Communications, 2021, 57, 10099-10102.	2.2	8
59	Synthesis of Spirocyclic Ethers by Enantioselective Copperâ€Catalyzed Carboetherification of Alkenols. Angewandte Chemie, 2018, 130, 13103-13106.	1.6	5
60	Copper-Catalyzed Enantioselective Oxysulfenylation of Alkenols: Synthesis of Arylthiomethyl-Substituted Cyclic Ethers. ACS Catalysis, 0, , 7559-7564.	5.5	5
61	Copper-catalyzed enantioselective synthesis of bridged bicyclic ketals from 1,1-disubstituted-4-methylene-1,6-hexanediols and related alkenols. Chemical Communications, 2021, 57, 105-108.	2.2	2
62	Stereochemistry of the Allylation and Crotylation Reactions of Î±-Methyl-Î²-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-Î±-Methyl-Î²-hydroxy Aldehydes.. ChemInform, 2003, 34, no.	0.1	0