Louis C Morrill

List of Publications by Year
in descending order

53 papers	2,842 citations	159585 30 h-index	175258 52 g-index
72 all docs	72 docs citations	72 times ranked	1985 citing authors

#	Article	IF	Citations
1	Mechanochemical Organocatalysis: Do High Enantioselectivities Contradict What We Might Expect?. ChemSusChem, 2022, 15, .	6.8	37
2	Electrochemical Deconstructive Functionalization of Cycloalkanols via Alkoxy Radicals Enabled by Proton-Coupled Electron Transfer. Organic Letters, 2022, 24, 3890-3895.	4.6	16
3	Electrochemical alkene azidocyanation via 1,4-nitrile migration. Chemical Communications, 2022, 58, 8658-8661.	4.1	8
4	Electron deficient borane-mediated hydride abstraction in amines: stoichiometric and catalytic processes. Chemical Society Reviews, 2021, 50, 3720-3737.	38.1	54
5	Transfer hydrogenations catalyzed by streptavidin-hosted secondary amine organocatalysts. Chemical Communications, 2021, 57, 1919-1922.	4.1	10
6	Borrowing Hydrogen for Organic Synthesis. ACS Central Science, 2021, 7, 570-585.	11.3	203
7	Ballâ€Millingâ€Enabled Reactivity of Manganese Metal**. Angewandte Chemie - International Edition, 2021, 60, 23128-23133.	13.8	25
8	Ballâ€Millingâ€Enabled Reactivity of Manganese Metal**. Angewandte Chemie, 2021, 133, 23312-23317.	2.0	7
9	Electrochemical oxidative Z-selective C(sp²)â€“H chlorination of acrylamides. Chemical Communications, 2021, 57, 12643-12646.	4.1	9
10	The role of streptavidin and its variants in catalysis by biotinylated secondary amines. Organic and Biomolecular Chemistry, 2021, 19, 10424-10431.	2.8	2
11	Nâ€Heterocyclic Carbene Acyl Anion Organocatalysis by Ballâ€Milling. ChemSusChem, 2020, 13, 131-135.	6.8	22
12	Transition metal free Î±-C-alkylation of ketones using secondary alcohols. Tetrahedron, 2020, 76, 131571.	1.9	18
13	Expedient Organocatalytic Aza-Moritaâ€“Baylisâ€“Hillman Reaction through Ball-Milling. ACS Sustainable Chemistry and Engineering, 2020, 8, 17876-17881.	6.7	24
14	Streptavidin-Hosted Organocatalytic Aldol Addition. Molecules, 2020, 25, 2457.	3.8	9
15	Manganeseâ€Catalyzed Oneâ€Pot Conversion of Nitroarenes into Nâ€Methylarylamines Using Methanol. European Journal of Organic Chemistry, 2020, 2020, 1136-1140.	2.4	39
16	B(C₆F₅)₃-Catalyzed Direct C3 Alkylation of Indoles and Oxindoles. ACS Catalysis, 2020, 10, 4835-4840.	11.2	53
17	Iron-Catalyzed Borrowing Hydrogen Î²-C(sp³)-Methylation of Alcohols. ACS Catalysis, 2019, 9, 8575-8580.	11.2	80
18	Manganese-Catalyzed Electrochemical Deconstructive Chlorination of Cycloalkanols via Alkoxy Radicals. Organic Letters, 2019, 21, 9241-9246.	4.6	75

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19	One-Pot Conversion of Allylic Alcohols to Î±-Methyl Ketones via Iron-Catalyzed Isomerizationâ€“Methylation. Organic Letters, 2019, 21, 7914-7918.	4.6	28
20	Ironâ€Catalyzed Borrowing Hydrogen Câ€Alkylation of Oxindoles with Alcohols. ChemSusChem, 2019, 12, 2345-2349.	6.8	57
21	Manganese-Catalyzed N-Alkylation of Sulfonamides Using Alcohols. Journal of Organic Chemistry, 2019, 84, 3715-3724.	3.2	49
22	Recent advances in homogeneous borrowing hydrogen catalysis using earth-abundant first row transition metals. Organic and Biomolecular Chemistry, 2019, 17, 1595-1607.	2.8	291
23	Reactivity and Selectivity of Iminium Organocatalysis Improved by a Protein Host. Angewandte Chemie - International Edition, 2018, 57, 12478-12482.	13.8	38
24	Reactivity and Selectivity of Iminium Organocatalysis Improved by a Protein Host. Angewandte Chemie, 2018, 130, 12658-12662.	2.0	14
25	FLPâ€Catalyzed Transfer Hydrogenation of Silyl Enol Ethers. Angewandte Chemie, 2018, 130, 12536-12539.	2.0	7
26	FLPâ€Catalyzed Transfer Hydrogenation of Silyl Enol Ethers. Angewandte Chemie - International Edition, 2018, 57, 12356-12359.	13.8	41
27	Synthesis and Reactivity of N-Allenyl Cyanamides. Organic Letters, 2018, 20, 5282-5285.	4.6	20
28	Iron-Catalyzed Methylation Using the Borrowing Hydrogen Approach. ACS Catalysis, 2018, 8, 6440-6445.	11.2	217
29	A Benzyne Insertion Approach to Hetisine-Type Diterpenoid Alkaloids: Synthesis of Cossonidine (Davisine). Journal of the American Chemical Society, 2018, 140, 8105-8109.	13.7	53
30	Frustrated Lewis Pair (FLP)-Catalyzed Hydrogenation of Aza-Moritaâ€“Baylisâ€“Hillman Adducts and Sequential Organo-FLP Catalysis. ACS Catalysis, 2017, 7, 7748-7752.	11.2	33
31	Magnesiate Addition/Ring-Expansion Strategy To Access the 6â€“7â€“6 Tricyclic Core of Hetisine-Type C₂₀-Diterpenoid Alkaloids. Organic Letters, 2017, 19, 4632-4635.	4.6	8
32	Exploring Tandem Ruthenium-Catalyzed Hydrogen Transfer and S_NAr Chemistry. Organic Letters, 2017, 19, 6716-6719.	4.6	7
33	Deoxycyanamidation of Alcohols with N-Cyano-N-phenyl-p-methylbenzenesulfonamide (NCTS). Organic Letters, 2017, 19, 3835-3838.	4.6	19
34	Enantioselective Synthesis of 3,5,6â€Substituted Dihydropyranones and Dihydropyridinones using Isothioureaâ€Mediated Catalysis. Chemistry - an Asian Journal, 2016, 11, 395-400.	3.3	38
35	N-Cyanation of Secondary Amines Using Trichloroacetonitrile. Organic Letters, 2016, 18, 5528-5531.	4.6	12
36	Asymmetric Isothioureaâ€Catalysed Formal [3+2] Cycloadditions of Ammonium Enolates with Oxaziridines. Chemistry - A European Journal, 2015, 21, 10530-10536.	3.3	35

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37	Regiodivergent Lewis base-promoted O- to C-carboxyl transfer of furanyl carbonates. Organic and Biomolecular Chemistry, 2015, 13, 2895-2900.	2.8	5
38	2-Arylacetic anhydrides as ammonium enolate precursors. Organic and Biomolecular Chemistry, 2014, 12, 624-636.	2.8	50
39	Organocatalytic Lewis base functionalisation of carboxylic acids, esters and anhydrides via C1-ammonium or azolium enolates. Chemical Society Reviews, 2014, 43, 6214-6226.	38.1	171
40	Organocatalytic Michael additionâ€“lactonisation of carboxylic acids using Î±,Î²-unsaturated trichloromethyl ketones as Î±,Î²-unsaturated ester equivalents. Organic and Biomolecular Chemistry, 2014, 12, 9016-9027.	2.8	41
41	Efficacious Inhaled PDE4 Inhibitors with Low Emetic Potential and Long Duration of Action for the Treatment of COPD. Journal of Medicinal Chemistry, 2014, 57, 4661-4676.	6.4	27
42	Isothiourea-Mediated Asymmetric Functionalization of 3-Alkenoic Acids. Journal of Organic Chemistry, 2014, 79, 1640-1655.	3.2	63
43	Isothiourea-mediated asymmetric Michael-lactonisation of trifluoromethylenones: a synthetic and mechanistic study. Chemical Science, 2013, 4, 4146.	7.4	117
44	Isothioureaâ€Mediated Oneâ€Pot Synthesis of Functionalized Pyridines. Angewandte Chemie - International Edition, 2013, 52, 11642-11646.	13.8	105
45	Stereospecific Asymmetric N-Heterocyclic Carbene (NHC)-Catalyzed Redox Synthesis of Trifluoromethyl Dihydropyranones and Mechanistic Insights. Journal of Organic Chemistry, 2013, 78, 9243-9257.	3.2	64
46	Catalytic asymmetric Î±-amination of carboxylic acids using isothioureas. Chemical Science, 2012, 3, 2088.	7.4	104
47	Isothioureaâ€Mediated Asymmetric Oâ€to Câ€Carboxyl Transfer of Oxazolyl Carbonates: Structureâ€“Selectivity Profiles and Mechanistic Studies. Chemistry - A European Journal, 2012, 18, 2398-2408.	3.3	35
48	Organocatalytic Functionalization of Carboxylic Acids: Isothiourea-Catalyzed Asymmetric Intra- and Intermolecular Michael Additionâ€Lactonizations. Journal of the American Chemical Society, 2011, 133, 2714-2720.	13.7	255
49	Isothioureaâ€Catalysed Asymmetric Câ€Acylation of Silyl Ketene Acetals. Chemistry - A European Journal, 2011, 17, 11060-11067.	3.3	32
50	Isothiourea-Catalyzed Asymmetric O- to C-Carboxyl Transfer of Furanyl Carbonates. Synthesis, 2011, 2011, 1865-1879.	2.3	6
51	Unexpected Rearrangement Leading to Formation of a 1,3â€Bis(triphenylphosphonio)propâ€1â€enâ€3â€ide Carboxylate. European Journal of Organic Chemistry, 2010, 2010, 3211-3214.	2.4	5
52	Isothiourea-Mediated Stereoselective C-Acylation of Silyl Ketene Acetals. Organic Letters, 2010, 12, 2660-2663.	4.6	46
53	N-Heterocyclic Carbene Catalysed Oxygen-to-Carbon Carboxyl Transfer of Indolyl and Benzofuranyl Carbonates. Synthesis, 2008, 2008, 2805-2818.	2.3	4