

# Louis C Morrill

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Recent advances in homogeneous borrowing hydrogen catalysis using earth-abundant first row transition metals. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1595-1607.	2.8	291
2	Organocatalytic Functionalization of Carboxylic Acids: Isothiourea-Catalyzed Asymmetric Intra- and Intermolecular Michael Addition <sup>†</sup> Lactonizations. <i>Journal of the American Chemical Society</i> , 2011, 133, 2714-2720.	13.7	255
3	Iron-Catalyzed Methylation Using the Borrowing Hydrogen Approach. <i>ACS Catalysis</i> , 2018, 8, 6440-6445.	11.2	217
4	Borrowing Hydrogen for Organic Synthesis. <i>ACS Central Science</i> , 2021, 7, 570-585.	11.3	203
5	Organocatalytic Lewis base functionalisation of carboxylic acids, esters and anhydrides via C1-ammonium or azolium enolates. <i>Chemical Society Reviews</i> , 2014, 43, 6214-6226.	38.1	171
6	Isothiourea-mediated asymmetric Michael-lactonisation of trifluoromethylenones: a synthetic and mechanistic study. <i>Chemical Science</i> , 2013, 4, 4146.	7.4	117
7	Isothiourea <sup>†</sup> Mediated One <sup>†</sup> Pot Synthesis of Functionalized Pyridines. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11642-11646.	13.8	105
8	Catalytic asymmetric $\alpha$ -amination of carboxylic acids using isothiouras. <i>Chemical Science</i> , 2012, 3, 2088.	7.4	104
9	Iron-Catalyzed Borrowing Hydrogen $\alpha$ -Methylation of Alcohols. <i>ACS Catalysis</i> , 2019, 9, 8575-8580.	11.2	80
10	Manganese-Catalyzed Electrochemical Deconstructive Chlorination of Cycloalkanols via Alkoxy Radicals. <i>Organic Letters</i> , 2019, 21, 9241-9246.	4.6	75
11	Stereospecific Asymmetric N-Heterocyclic Carbene (NHC)-Catalyzed Redox Synthesis of Trifluoromethyl Dihydropyranones and Mechanistic Insights. <i>Journal of Organic Chemistry</i> , 2013, 78, 9243-9257.	3.2	64
12	Isothiourea-Mediated Asymmetric Functionalization of 3-Alkenoic Acids. <i>Journal of Organic Chemistry</i> , 2014, 79, 1640-1655.	3.2	63
13	Iron <sup>†</sup> Catalyzed Borrowing Hydrogen $\alpha$ -Alkylation of Oxindoles with Alcohols. <i>ChemSusChem</i> , 2019, 12, 2345-2349.	6.8	57
14	Electron deficient borane-mediated hydride abstraction in amines: stoichiometric and catalytic processes. <i>Chemical Society Reviews</i> , 2021, 50, 3720-3737.	38.1	54
15	A Benzyne Insertion Approach to Hetsisine-Type Diterpenoid Alkaloids: Synthesis of Cossonidine (Davisine). <i>Journal of the American Chemical Society</i> , 2018, 140, 8105-8109.	13.7	53
16	B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> -Catalyzed Direct C3 Alkylation of Indoles and Oxindoles. <i>ACS Catalysis</i> , 2020, 10, 4835-4840.	11.2	53
17	2-Arylacetic anhydrides as ammonium enolate precursors. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 624-636.	2.8	50
18	Manganese-Catalyzed $\alpha$ -Alkylation of Sulfonamides Using Alcohols. <i>Journal of Organic Chemistry</i> , 2019, 84, 3715-3724.	3.2	49

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19	Isothiourea-Mediated Stereoselective <i>C</i> -Acylation of Silyl Ketene Acetals. <i>Organic Letters</i> , 2010, 12, 2660-2663.	4.6	46
20	Organocatalytic Michael addition–lactonisation of carboxylic acids using $\hat{1},\hat{1}^2$ -unsaturated trichloromethyl ketones as $\hat{1},\hat{1}^2$ -unsaturated ester equivalents. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9016-9027.	2.8	41
21	FLP-Catalyzed Transfer Hydrogenation of Silyl Enol Ethers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12356-12359.	13.8	41
22	Manganese-Catalyzed One-Pot Conversion of Nitroarenes into <i>N</i> -Methylarylamines Using Methanol. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1136-1140.	2.4	39
23	Enantioselective Synthesis of 3,5,6-Substituted Dihydropyranones and Dihydropyridinones using Isothiourea-Mediated Catalysis. <i>Chemistry - an Asian Journal</i> , 2016, 11, 395-400.	3.3	38
24	Reactivity and Selectivity of Iminium Organocatalysis Improved by a Protein Host. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12478-12482.	13.8	38
25	Mechanochemical Organocatalysis: Do High Enantioselectivities Contradict What We Might Expect?. <i>ChemSusChem</i> , 2022, 15, .	6.8	37
26	Isothiourea-Mediated Asymmetric <i>O</i> -to <i>C</i> -Carboxyl Transfer of Oxazolyl Carbonates: Structure-Selectivity Profiles and Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2012, 18, 2398-2408.	3.3	35
27	Asymmetric Isothiourea-Catalysed Formal [3+2] Cycloadditions of Ammonium Enolates with Oxaziridines. <i>Chemistry - A European Journal</i> , 2015, 21, 10530-10536.	3.3	35
28	Frustrated Lewis Pair (FLP)-Catalyzed Hydrogenation of Aza-Morita-Baylis-Hillman Adducts and Sequential Organo-FLP Catalysis. <i>ACS Catalysis</i> , 2017, 7, 7748-7752.	11.2	33
29	Isothiourea-Catalysed Asymmetric <i>C</i> -Acylation of Silyl Ketene Acetals. <i>Chemistry - A European Journal</i> , 2011, 17, 11060-11067.	3.3	32
30	One-Pot Conversion of Allylic Alcohols to $\hat{1}$ -Methyl Ketones via Iron-Catalyzed Isomerization–Methylation. <i>Organic Letters</i> , 2019, 21, 7914-7918.	4.6	28
31	Efficacious Inhaled PDE4 Inhibitors with Low Emetic Potential and Long Duration of Action for the Treatment of COPD. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 4661-4676.	6.4	27
32	Ball-Milling-Enabled Reactivity of Manganese Metal**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23128-23133.	13.8	25
33	Expedient Organocatalytic Aza-Morita-Baylis-Hillman Reaction through Ball-Milling. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17876-17881.	6.7	24
34	<i>N</i> -Heterocyclic Carbene Acyl Anion Organocatalysis by Ball-Milling. <i>ChemSusChem</i> , 2020, 13, 131-135.	6.8	22
35	Synthesis and Reactivity of <i>N</i> -Allenyl Cyanamides. <i>Organic Letters</i> , 2018, 20, 5282-5285.	4.6	20
36	Deoxycyanamidation of Alcohols with <i>N</i> -Cyano- <i>N</i> -phenyl- <i>p</i> -methylbenzenesulfonamide (NCTS). <i>Organic Letters</i> , 2017, 19, 3835-3838.	4.6	19

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37	Transition metal free $\alpha$ -C-alkylation of ketones using secondary alcohols. <i>Tetrahedron</i> , 2020, 76, 131571.	1.9	18
38	Electrochemical Deconstructive Functionalization of Cycloalkanols via Alkoxy Radicals Enabled by Proton-Coupled Electron Transfer. <i>Organic Letters</i> , 2022, 24, 3890-3895.	4.6	16
39	Reactivity and Selectivity of Iminium Organocatalysis Improved by a Protein Host. <i>Angewandte Chemie</i> , 2018, 130, 12658-12662.	2.0	14
40	$\alpha$ -Cyanation of Secondary Amines Using Trichloroacetonitrile. <i>Organic Letters</i> , 2016, 18, 5528-5531.	4.6	12
41	Transfer hydrogenations catalyzed by streptavidin-hosted secondary amine organocatalysts. <i>Chemical Communications</i> , 2021, 57, 1919-1922.	4.1	10
42	Streptavidin-Hosted Organocatalytic Aldol Addition. <i>Molecules</i> , 2020, 25, 2457.	3.8	9
43	Electrochemical oxidative $\alpha$ -selective C(sp <sup>2</sup> )–H chlorination of acrylamides. <i>Chemical Communications</i> , 2021, 57, 12643-12646.	4.1	9
44	Magnesiolate Addition/Ring-Expansion Strategy To Access the 6 $\alpha$ -7 $\alpha$ -6 Tricyclic Core of Hetsisine-Type C <sub>20</sub> -Diterpenoid Alkaloids. <i>Organic Letters</i> , 2017, 19, 4632-4635.	4.6	8
45	Electrochemical alkene azidocyanation $\alpha$ -via 1,4-nitrile migration. <i>Chemical Communications</i> , 2022, 58, 8658-8661.	4.1	8
46	Exploring Tandem Ruthenium-Catalyzed Hydrogen Transfer and S <sub>N</sub> Ar Chemistry. <i>Organic Letters</i> , 2017, 19, 6716-6719.	4.6	7
47	FLP-Catalyzed Transfer Hydrogenation of Silyl Enol Ethers. <i>Angewandte Chemie</i> , 2018, 130, 12536-12539.	2.0	7
48	Ball-Milling-Enabled Reactivity of Manganese Metal**. <i>Angewandte Chemie</i> , 2021, 133, 23312-23317.	2.0	7
49	Isothiourea-Catalyzed Asymmetric O- to C-Carboxyl Transfer of Furanyl Carbonates. <i>Synthesis</i> , 2011, 2011, 1865-1879.	2.3	6
50	Unexpected Rearrangement Leading to Formation of a 1,3-Bis(triphenylphosphonio)propyl $\alpha$ -acyl Carboxylate. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3211-3214.	2.4	5
51	Regiodivergent Lewis base-promoted O- to C-carboxyl transfer of furanyl carbonates. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2895-2900.	2.8	5
52	N-Heterocyclic Carbene Catalysed Oxygen-to-Carbon Carboxyl Transfer of Indolyl and Benzofuranyl Carbonates. <i>Synthesis</i> , 2008, 2008, 2805-2818.	2.3	4
53	The role of streptavidin and its variants in catalysis by biotinylated secondary amines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 10424-10431.	2.8	2