Tristan H Lambert

List of Publications by Year
in descending order

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85 papers	4,404 citations	87843 38 h-index	114418 63 g-index
97 all docs	97 docs citations	97 times ranked	3123 citing authors

#	Article	IF	Citations
1	Reductive Electrophotocatalysis: Merging Electricity and Light To Achieve Extreme Reduction Potentials. Journal of the American Chemical Society, 2020, 142, 2087-2092.	6.6	263
2	Electrophotocatalysis with a Trisaminocyclopropenium Radical Dication. Angewandte Chemie - International Edition, 2019, 58, 13318-13322.	7.2	191
3	Multicatalysis: Advancing Synthetic Efficiency and Inspiring Discovery. ChemCatChem, 2010, 2, 1373-1380.	1.8	154
4	Electrophotocatalytic diamination of vicinal Câ€“H bonds. Science, 2021, 371, 620-626.	6.0	153
5	Enantioselective BrÃ¸nsted Base Catalysis with Chiral Cyclopropenimines. Journal of the American Chemical Society, 2012, 134, 5552-5555.	6.6	150
6	Electrophotocatalytic Câ€“H Functionalization of Ethers with High Regioselectivity. Journal of the American Chemical Society, 2020, 142, 1698-1703.	6.6	149
7	Tropylium Ion Mediated Î±-Cyanation of Amines. Journal of the American Chemical Society, 2011, 133, 1260-1262.	6.6	148
8	Multicatalytic Synthesis of Î±-Pyrrolidinyl Ketones via a Tandem Palladium(II)/Indium(III)-Catalyzed Aminochlorocarbonylation/Friedelâ^'Crafts Acylation Reaction. Journal of the American Chemical Society, 2009, 131, 3124-3125.	6.6	140
9	Cyclopropenimine-Catalyzed Enantioselective Mannich Reactions of tert-Butyl Glycinates with N-Boc-Imines. Journal of the American Chemical Society, 2013, 135, 11799-11802.	6.6	115
10	An aromatic ion platform for enantioselective BrÃ¸nsted acid catalysis. Science, 2016, 351, 961-965.	6.0	115
11	Electrophotocatalytic S_NAr Reactions of Unactivated Aryl Fluorides at Ambient Temperature and Without Base. Angewandte Chemie - International Edition, 2020, 59, 658-662.	7.2	113
12	The development of catalytic nucleophilic substitution reactions: challenges, progress and future directions. Organic and Biomolecular Chemistry, 2014, 12, 2993.	1.5	103
13	Electrophotocatalysis: Combining Light and Electricity to Catalyze Reactions. Journal of the American Chemical Society, 2022, 144, 12567-12583.	6.6	101
14	Câ€“H Amination via Electrophotocatalytic Ritter-type Reaction. Journal of the American Chemical Society, 2021, 143, 8597-8602.	6.6	100
15	Organocatalytic Carbonyl-Olefin Metathesis. Journal of the American Chemical Society, 2012, 134, 18581-18584.	6.6	95
16	Total Synthesis of UCS1025A. Journal of the American Chemical Society, 2006, 128, 426-427.	6.6	93
17	Distortion-accelerated cycloadditions and strain-release-promoted cycloreversions in the organocatalytic carbonyl-olefin metathesis. Chemical Science, 2014, 5, 471-475.	3.7	91
18	Aminocyclopropenium Ions: Synthesis, Properties, and Applications. Synthesis, 2013, 45, 2485-2498.	1.2	87

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19	Development of a Formal [4 + 1] Cycloaddition: Pd(OAc)₂-Catalyzed Intramolecular Cyclopropanation of 1,3-Dienyl Î²-Keto Esters and MgI₂-Promoted Vinylcyclopropaneâ^'Cyclopentene Rearrangement. Journal of the American Chemical Society, 2009, 131, 2496-2498.	6.6	84
20	Development of a Catalytic Platform for Nucleophilic Substitution: Cyclopropenoneâ€Catalyzed Chlorodehydration of Alcohols. Angewandte Chemie - International Edition, 2011, 50, 12222-12226.	7.2	84
21	Aromatic Cation Activation of Alcohols: Conversion to Alkyl Chlorides Using Dichlorodiphenylcyclopropene. Journal of the American Chemical Society, 2009, 131, 13930-13931.	6.6	79
22	Nucleophilic Acyl Substitution via Aromatic Cation Activation of Carboxylic Acids: Rapid Generation of Acid Chlorides under Mild Conditions. Journal of the American Chemical Society, 2010, 132, 5002-5003.	6.6	77
23	Electrophotocatalytic Acetoxyhydroxylation of Aryl Olefins. Journal of the American Chemical Society, 2021, 143, 7247-7252.	6.6	77
24	Electrophotocatalytic Câ^'H Heterofunctionalization of Arenes. Angewandte Chemie - International Edition, 2021, 60, 11163-11167.	7.2	75
25	Cyclopropenium-activated Beckmann rearrangement. Catalysis versus self-propagation in reported organocatalytic Beckmann rearrangements. Chemical Science, 2010, 1, 705.	3.7	72
26	Structureâ€"activity relationship studies of cyclopropenimines as enantioselective BrÃ¸nsted base catalysts. Chemical Science, 2015, 6, 1537-1547.	3.7	72
27	Development of a New Lewis Acid-Catalyzed [3,3]-Sigmatropic Rearrangement:Â The Allenoate-Claisen Rearrangement. Journal of the American Chemical Society, 2002, 124, 13646-13647.	6.6	71
28	Carbonylâ€"Olefin Metathesis. Chemical Reviews, 2021, 121, 9359-9406.	23.0	70
29	Multicatalytic Synthesis of Complex Tetrahydrofurans Involving Bismuth(III) Triflate Catalyzed Intramolecular Hydroalkoxylation of Unactivated Olefins. Organic Letters, 2009, 11, 1381-1383.	2.4	66
30	Cyclopropenium-Activated Cyclodehydration of Diols. Organic Letters, 2011, 13, 740-743.	2.4	63
31	Higher-Order Cyclopropenimine Superbases: Direct Neutral BrÃ¸nsted Base Catalyzed Michael Reactions with Î±-Aryl Esters. Journal of the American Chemical Society, 2015, 137, 10246-10253.	6.6	58
32	Asymmetric Induction via a Helically Chiral Anion: Enantioselective Pentacarboxycyclopentadiene BrÃ¸nsted Acid-Catalyzed Inverse-Electron-Demand Dielsâ€"Alder Cycloaddition of Oxocarbenium Ions. Journal of the American Chemical Society, 2018, 140, 3523-3527.	6.6	55
33	Cyclopropenone Catalyzed Substitution of Alcohols with Mesylate Ion. Organic Letters, 2013, 15, 38-41.	2.4	54
34	The evolution of cyclopropenium ions into functional polyelectrolytes. Nature Communications, 2015, 6, 5950.	5.8	54
35	Phaseâ€Transfer and Other Types of Catalysis with Cyclopropenium Ions. Chemistry - A European Journal, 2015, 21, 7365-7368.	1.7	49
36	Clickable Poly(ionic liquids): A Materials Platform for Transfection. Angewandte Chemie - International Edition, 2016, 55, 12382-12386.	7.2	47

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37	Ion Transport in Cyclopropenium-Based Polymerized Ionic Liquids. Macromolecules, 2018, 51, 1681-1687.	2.2	45
38	Electrophotocatalysis with a Trisaminocyclopropenium Radical Dication. Angewandte Chemie, 2019, 131, 13452-13456.	1.6	43
39	Cyclopropenimine Superbases: Competitive Initiation Processes in Lactide Polymerization. ACS Macro Letters, 2015, 4, 853-856.	2.3	40
40	Controlled Cationic Polymerization: Single-Component Initiation under Ambient Conditions. Journal of the American Chemical Society, 2019, 141, 10605-10609.	6.6	40
41	Transition State Analysis of Enantioselective BrÃ¸nsted Base Catalysis by Chiral Cyclopropenimines. Journal of the American Chemical Society, 2014, 136, 10700-10707.	6.6	35
42	Hydrogen Bond Donor Catalyzed Cationic Polymerization of Vinyl Ethers. Angewandte Chemie - International Edition, 2021, 60, 4535-4539.	7.2	32
43	Leaving Group Potential of a Substituted Cyclopentadienyl Anion Toward Oxidative Addition. Organic Letters, 2009, 11, 4108-4110.	2.4	31
44	Synthesis of 2H-Chromenes via Hydrazine-Catalyzed Ring-Closing Carbonyl-Olefin Metathesis. ACS Catalysis, 2019, 9, 9259-9264.	5.5	31
45	Lanthanum(III) Triflate-Catalyzed Cyclopropanation via Intramolecular Methylene Transfer. Journal of the American Chemical Society, 2009, 131, 7536-7537.	6.6	28
46	Total synthesis of the tylophora alkaloids rusplinone, 13aÎ±-secoantofine, and antofine using a multicatalytic oxidative aminochlorocarbonylation/Friedelâ€“Crafts reaction. Tetrahedron, 2010, 66, 4882-4887.	1.0	27
47	A redox-active organic salt for safer Na-ion batteries. Nano Energy, 2020, 72, 104705.	8.2	25
48	Methods for the Synthesis of Functionalized Pentacarboxycyclopentadienes. Organic Letters, 2017, 19, 4227-4230.	2.4	24
49	Development of a Hydrazine-Catalyzed Carbonyl-Olefin Metathesis Reaction. Synlett, 2019, 30, 1954-1965.	1.0	24
50	Electrophotocatalytic S_NAr Reactions of Unactivated Aryl Fluorides at Ambient Temperature and Without Base. Angewandte Chemie, 2020, 132, 668-672.	1.6	24
51	A single-molecule blueprint for synthesis. Nature Reviews Chemistry, 2021, 5, 695-710.	13.8	24
52	In Situ Coupling of Single Molecules Driven by Goldâ€Catalyzed Electrooxidation. Angewandte Chemie - International Edition, 2019, 58, 16008-16012.	7.2	23
53	Olefin Crossâ€Metathesis: A Powerful Tool for Constructing Vaccines Composed of Multimeric Antigens. Journal of Carbohydrate Chemistry, 2005, 24, 425-440.	0.4	21
54	Macrosteres: The Deltic GuanidinÂium Ion. European Journal of Organic Chemistry, 2016, 2016, 1655-1659.	1.2	19

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55	Oxidizable Ketones: Persistent Radical Cations from the Singleâ€Electron Oxidation of 2,3â€Diaminocyclopropenones.. Angewandte Chemie - International Edition, 2019, 58, 8049-8052.	7.2	17
56	When size matters: exploring the potential of aminocyclopropenium cations as head groups in triphenylene-derived ionic liquid crystals in comparison with guanidinium and ammonium units. Liquid Crystals, 2018, 45, 1250-1258.	0.9	16
57	Selfâ€Assembly of Aminocyclopropenium Salts: Enâ€...Route to Deltic Ionic Liquid Crystals. Angewandte Chemie - International Edition, 2020, 59, 10557-10565.	7.2	15
58	Practically Accessible Allâ€Solidâ€State Batteries Enabled by Organosulfide Cathodes and Sulfide Electrolytes. Advanced Functional Materials, 2022, 32, .	7.8	15
59	The Hydrazineâ€“O₂ Redox Couple as a Platform for Organocatalytic Oxidation: Benzo[c]cinnolineâ€Catalyzed Oxidation of Alkyl Halides to Aldehydes. Angewandte Chemie - International Edition, 2018, 57, 12494-12498.	7.2	14
60	Synthesis of 1,2-Dihydroquinolines via Hydrazine-Catalyzed Ring-Closing Carbonyl-Olefin Metathesis. Organic Letters, 2020, 22, 6026-6030.	2.4	14
61	Synthesis and characterization of a diaziridinium ion. Conversion of 3,4-dihydroisoquinolines to 4,5-dihydro-3H-benzo[2,3]diazepines via a formal N-insertion process. Tetrahedron, 2014, 70, 4111-4117.	1.0	13
62	Influence of Substituent Chain Branching on the Transfection Efficacy of Cyclopropenium-Based Polymers. Polymers, 2017, 9, 79.	2.0	13
63	A high-performance organic cathode customized for sulfide-based all-solid-state batteries. Energy Storage Materials, 2022, 45, 680-686.	9.5	13
64	Electrophotocatalytic Cî“H Heterofunctionalization of Arenes. Angewandte Chemie, 2021, 133, 11263-11267.	1.6	12
65	Ring-opening carbonylâ€“olefin metathesis of norbornenes. Chemical Science, 2020, 11, 7884-7895.	3.7	11
66	Primary Alcohols via Nickel Pentacarboxycyclopentadienyl Diamide Catalyzed Hydrosilylation of Terminal Epoxides. Organic Letters, 2021, 23, 8013-8017.	2.4	11
67	A redox-active organic cation for safer metallic lithium-based batteries. Energy Storage Materials, 2020, 32, 185-190.	9.5	10
68	Metalâ€Free Ringâ€Opening Metathesis Polymerization with Hydrazonium Initiators**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	10
69	Demonstration of the facile reversibility of fulvene formation. Tetrahedron, 2011, 67, 4364-4370.	1.0	9
70	Cross-coupling of sulfonic acid derivatives via aryl-radical transfer (ART) using TTMSS or photoredox. Organic Chemistry Frontiers, 2018, 5, 64-69.	2.3	9
71	A redox-active organic cation for safer high energy density Li-ion batteries. Journal of Materials Chemistry A, 2020, 8, 17156-17162.	5.2	9
72	Polycyclic heteroaromatics via hydrazine-catalyzed ring-closing carbonylâ€“olefin metathesis. Chemical Science, 2022, 13, 2418-2422.	3.7	9

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73	Silylated cyclopentadienes as competent silicon Lewis acid catalysts. Chemical Science, 2018, 9, 6406-6410.	3.7	8
74	A Scalable, One-Pot Synthesis of 1,2,3,4,5-Pentacarbomethoxycyclopentadiene. Synthesis, 2019, 51, 1135-1138.	1.2	8
75	Ring-Opening Carbonyl-Olefin Metathesis of Cyclobutenes. ACS Catalysis, 2022, 12, 4813-4817.	5.5	8
76	Polyimide as a durable cathode for all-solid-state Li(Na)â^'organic batteries with boosted cell-level energy density. Nano Energy, 2022, 96, 107130.	8.2	7
77	Development of Oxidative Formylation and Ketonylation Reactions. Synthesis, 2010, 2010, 870-881.	1.2	5
78	Enantioenriched Î±-substituted glutamates/pyroglutamates via enantioselective cyclopropenimine-catalyzed Michael addition of amino ester imines. Beilstein Journal of Organic Chemistry, 2021, 17, 2077-2084.	1.3	5
79	Clickable Poly(ionic liquids): A Materials Platform for Transfection. Angewandte Chemie, 2016, 128, 12570-12574.	1.6	4
80	The Hydrazineâ€“O 2 Redox Couple as a Platform for Organocatalytic Oxidation: Benzo[c]cinnolineâ€Catalyzed Oxidation of Alkyl Halides to Aldehydes. Angewandte Chemie, 2018, 130, 12674-12678.	1.6	3
81	In Situ Coupling of Single Molecules Driven by Goldâ€Catalyzed Electrooxidation. Angewandte Chemie, 2019, 131, 16154-16158.	1.6	3
82	Oxidizable Ketones: Persistent Radical Cations from the Singleâ€Electron Oxidation of 2,3â€Diaminocyclopropenones.. Angewandte Chemie, 2019, 131, 8133-8136.	1.6	2
83	Selfâ€Assembly of Aminocyclopropenium Salts: Enâ€...Route to Deltic Ionic Liquid Crystals. Angewandte Chemie, 2020, 132, 10644-10652.	1.6	1
84	Hydrogen Bond Donor Catalyzed Cationic Polymerization of Vinyl Ethers. Angewandte Chemie, 2021, 133, 4585-4589.	1.6	1
85	Metalâ€“Free Ringâ€“Opening Metathesis Polymerization with Hydrazonium Initiators. Angewandte Chemie, 0, , .	1.6	0