

Tristan H Lambert

List of Publications by Year in descending order

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87843

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docs citations

97
times ranked

3123
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-performance organic cathode customized for sulfide-based all-solid-state batteries. <i>Energy Storage Materials</i> , 2022, 45, 680-686.	9.5	13
2	Polycyclic heteroaromatics <i>via</i> hydrazine-catalyzed ring-closing carbonyl-olefin metathesis. <i>Chemical Science</i> , 2022, 13, 2418-2422.	3.7	9
3	Metal-Free Ring-Opening Metathesis Polymerization with Hydrazonium Initiators**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	10
4	Practically Accessible All-Solid-State Batteries Enabled by Organosulfide Cathodes and Sulfide Electrolytes. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	15
5	Ring-Opening Carbonyl-Olefin Metathesis of Cyclobutenes. <i>ACS Catalysis</i> , 2022, 12, 4813-4817.	5.5	8
6	Polyimide as a durable cathode for all-solid-state Li(Na)-organic batteries with boosted cell-level energy density. <i>Nano Energy</i> , 2022, 96, 107130.	8.2	7
7	Electrophotocatalysis: Combining Light and Electricity to Catalyze Reactions. <i>Journal of the American Chemical Society</i> , 2022, 144, 12567-12583.	6.6	101
8	Hydrogen Bond Donor Catalyzed Cationic Polymerization of Vinyl Ethers. <i>Angewandte Chemie</i> , 2021, 133, 4585-4589.	1.6	1
9	Hydrogen Bond Donor Catalyzed Cationic Polymerization of Vinyl Ethers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4535-4539.	7.2	32
10	Electrophotocatalytic diamination of vicinal C-H bonds. <i>Science</i> , 2021, 371, 620-626.	6.0	153
11	Electrophotocatalytic C-H Heterofunctionalization of Arenes. <i>Angewandte Chemie</i> , 2021, 133, 11263-11267.	1.6	12
12	Electrophotocatalytic C-H Heterofunctionalization of Arenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11163-11167.	7.2	75
13	Electrophotocatalytic Acetoxyhydroxylation of Aryl Olefins. <i>Journal of the American Chemical Society</i> , 2021, 143, 7247-7252.	6.6	77
14	Carbonyl-Olefin Metathesis. <i>Chemical Reviews</i> , 2021, 121, 9359-9406.	23.0	70
15	C-H Amination via Electrophotocatalytic Ritter-type Reaction. <i>Journal of the American Chemical Society</i> , 2021, 143, 8597-8602.	6.6	100
16	A single-molecule blueprint for synthesis. <i>Nature Reviews Chemistry</i> , 2021, 5, 695-710.	13.8	24
17	Enantioenriched β -substituted glutamates/pyroglutamates via enantioselective cyclopropenimine-catalyzed Michael addition of amino ester imines. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2077-2084.	1.3	5
18	Primary Alcohols via Nickel Pentacarboxycyclopentadienyl Diamide Catalyzed Hydrosilylation of Terminal Epoxides. <i>Organic Letters</i> , 2021, 23, 8013-8017.	2.4	11

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19	Electrophotocatalytic S _N Ar Reactions of Unactivated Aryl Fluorides at Ambient Temperature and Without Base. <i>Angewandte Chemie</i> , 2020, 132, 668-672.	1.6	24
20	Electrophotocatalytic S _N Ar Reactions of Unactivated Aryl Fluorides at Ambient Temperature and Without Base. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 658-662.	7.2	113
21	Electrophotocatalytic C-H Functionalization of Ethers with High Regioselectivity. <i>Journal of the American Chemical Society</i> , 2020, 142, 1698-1703.	6.6	149
22	Synthesis of 1,2-Dihydroquinolines via Hydrazine-Catalyzed Ring-Closing Carbonyl-Olefin Metathesis. <i>Organic Letters</i> , 2020, 22, 6026-6030.	2.4	14
23	A redox-active organic cation for safer high energy density Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17156-17162.	5.2	9
24	A redox-active organic cation for safer metallic lithium-based batteries. <i>Energy Storage Materials</i> , 2020, 32, 185-190.	9.5	10
25	A redox-active organic salt for safer Na-ion batteries. <i>Nano Energy</i> , 2020, 72, 104705.	8.2	25
26	Ring-opening carbonyl-olefin metathesis of norbornenes. <i>Chemical Science</i> , 2020, 11, 7884-7895.	3.7	11
27	Self-Assembly of Aminocyclopropenium Salts: En Route to Deltic Ionic Liquid Crystals. <i>Angewandte Chemie</i> , 2020, 132, 10644-10652.	1.6	1
28	Self-Assembly of Aminocyclopropenium Salts: En Route to Deltic Ionic Liquid Crystals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10557-10565.	7.2	15
29	Reductive Electrophotocatalysis: Merging Electricity and Light To Achieve Extreme Reduction Potentials. <i>Journal of the American Chemical Society</i> , 2020, 142, 2087-2092.	6.6	263
30	Electrophotocatalysis with a Trisaminocyclopropenium Radical Dication. <i>Angewandte Chemie</i> , 2019, 131, 13452-13456.	1.6	43
31	Electrophotocatalysis with a Trisaminocyclopropenium Radical Dication. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13318-13322.	7.2	191
32	In Situ Coupling of Single Molecules Driven by Gold-Catalyzed Electrooxidation. <i>Angewandte Chemie</i> , 2019, 131, 16154-16158.	1.6	3
33	Synthesis of 2-H-Chromenes via Hydrazine-Catalyzed Ring-Closing Carbonyl-Olefin Metathesis. <i>ACS Catalysis</i> , 2019, 9, 9259-9264.	5.5	31
34	A Scalable, One-Pot Synthesis of 1,2,3,4,5-Pentacarbomethoxycyclopentadiene. <i>Synthesis</i> , 2019, 51, 1135-1138.	1.2	8
35	In Situ Coupling of Single Molecules Driven by Gold-Catalyzed Electrooxidation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16008-16012.	7.2	23
36	Controlled Cationic Polymerization: Single-Component Initiation under Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2019, 141, 10605-10609.	6.6	40

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37	Development of a Hydrazine-Catalyzed Carbonyl-Olefin Metathesis Reaction. <i>Synlett</i> , 2019, 30, 1954-1965.	1.0	24
38	Oxidizable Ketones: Persistent Radical Cations from the Single-Electron Oxidation of 2,3-Diaminocyclopropenones. <i>Angewandte Chemie</i> , 2019, 131, 8133-8136.	1.6	2
39	Oxidizable Ketones: Persistent Radical Cations from the Single-Electron Oxidation of 2,3-Diaminocyclopropenones. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8049-8052.	7.2	17
40	Ion Transport in Cyclopropenium-Based Polymerized Ionic Liquids. <i>Macromolecules</i> , 2018, 51, 1681-1687.	2.2	45
41	Asymmetric Induction via a Helically Chiral Anion: Enantioselective Pentacarboxycyclopentadiene Brønsted Acid-Catalyzed Inverse-Electron-Demand Diels-Alder Cycloaddition of Oxocarbenium Ions. <i>Journal of the American Chemical Society</i> , 2018, 140, 3523-3527.	6.6	55
42	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. <i>Liquid Crystals</i> , 2018, 45, 1250-1258.	0.9	16
43	Cross-coupling of sulfonic acid derivatives via aryl-radical transfer (ART) using TTMSS or photoredox. <i>Organic Chemistry Frontiers</i> , 2018, 5, 64-69.	2.3	9
44	Silylated cyclopentadienes as competent silicon Lewis acid catalysts. <i>Chemical Science</i> , 2018, 9, 6406-6410.	3.7	8
45	The Hydrazine-O ₂ Redox Couple as a Platform for Organocatalytic Oxidation: Benzo[c]cinnoline-Catalyzed Oxidation of Alkyl Halides to Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12494-12498.	7.2	14
46	The Hydrazine-O ₂ Redox Couple as a Platform for Organocatalytic Oxidation: Benzo[c]cinnoline-Catalyzed Oxidation of Alkyl Halides to Aldehydes. <i>Angewandte Chemie</i> , 2018, 130, 12674-12678.	1.6	3
47	Methods for the Synthesis of Functionalized Pentacarboxycyclopentadienes. <i>Organic Letters</i> , 2017, 19, 4227-4230.	2.4	24
48	Influence of Substituent Chain Branching on the Transfection Efficacy of Cyclopropenium-Based Polymers. <i>Polymers</i> , 2017, 9, 79.	2.0	13
49	Macrosteres: The Deltic Guanidinium Ion. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1655-1659.	1.2	19
50	Clickable Poly(ionic liquids): A Materials Platform for Transfection. <i>Angewandte Chemie</i> , 2016, 128, 12570-12574.	1.6	4
51	Clickable Poly(ionic liquids): A Materials Platform for Transfection. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12382-12386.	7.2	47
52	An aromatic ion platform for enantioselective Brønsted acid catalysis. <i>Science</i> , 2016, 351, 961-965.	6.0	115
53	Phase-Transfer and Other Types of Catalysis with Cyclopropenium Ions. <i>Chemistry - A European Journal</i> , 2015, 21, 7365-7368.	1.7	49
54	The evolution of cyclopropenium ions into functional polyelectrolytes. <i>Nature Communications</i> , 2015, 6, 5950.	5.8	54

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55	Higher-Order Cyclopropenimine Superbases: Direct Neutral Brønsted Base Catalyzed Michael Reactions with β -Aryl Esters. <i>Journal of the American Chemical Society</i> , 2015, 137, 10246-10253.	6.6	58
56	Cyclopropenimine Superbases: Competitive Initiation Processes in Lactide Polymerization. <i>ACS Macro Letters</i> , 2015, 4, 853-856.	2.3	40
57	Structure-activity relationship studies of cyclopropenimines as enantioselective Brønsted base catalysts. <i>Chemical Science</i> , 2015, 6, 1537-1547.	3.7	72
58	Distortion-accelerated cycloadditions and strain-release-promoted cycloreversions in the organocatalytic carbonyl-olefin metathesis. <i>Chemical Science</i> , 2014, 5, 471-475.	3.7	91
59	The development of catalytic nucleophilic substitution reactions: challenges, progress and future directions. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2993.	1.5	103
60	Transition State Analysis of Enantioselective Brønsted Base Catalysis by Chiral Cyclopropenimines. <i>Journal of the American Chemical Society</i> , 2014, 136, 10700-10707.	6.6	35
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. <i>Tetrahedron</i> , 2014, 70, 4111-4117.	1.0	13
62	Cyclopropenimine-Catalyzed Enantioselective Mannich Reactions of <i>tert</i> -Butyl Glycinates with <i>N</i> -Boc-Imines. <i>Journal of the American Chemical Society</i> , 2013, 135, 11799-11802.	6.6	115
63	Aminocyclopropenium Ions: Synthesis, Properties, and Applications. <i>Synthesis</i> , 2013, 45, 2485-2498.	1.2	87
64	Cyclopropenone Catalyzed Substitution of Alcohols with Mesylate Ion. <i>Organic Letters</i> , 2013, 15, 38-41.	2.4	54
65	Organocatalytic Carbonyl-Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2012, 134, 18581-18584.	6.6	95
66	Enantioselective Brønsted Base Catalysis with Chiral Cyclopropenimines. <i>Journal of the American Chemical Society</i> , 2012, 134, 5552-5555.	6.6	150
67	Cyclopropenium-Activated Cyclodehydration of Diols. <i>Organic Letters</i> , 2011, 13, 740-743.	2.4	63
68	Tropylium Ion Mediated β -Cyanation of Amines. <i>Journal of the American Chemical Society</i> , 2011, 133, 1260-1262.	6.6	148
69	Demonstration of the facile reversibility of fulvene formation. <i>Tetrahedron</i> , 2011, 67, 4364-4370.	1.0	9
70	Development of a Catalytic Platform for Nucleophilic Substitution: Cyclopropenone-Catalyzed Chlorodehydration of Alcohols. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12222-12226.	7.2	84
71	Nucleophilic Acyl Substitution via Aromatic Cation Activation of Carboxylic Acids: Rapid Generation of Acid Chlorides under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2010, 132, 5002-5003.	6.6	77
72	Multicatalysis: Advancing Synthetic Efficiency and Inspiring Discovery. <i>ChemCatChem</i> , 2010, 2, 1373-1380.	1.8	154

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73	Total synthesis of the tylophora alkaloids rusplinone, 13a \pm -secoantofine, and antofine using a multicyclic oxidative aminochlorocarbonylation/Friedel-Crafts reaction. <i>Tetrahedron</i> , 2010, 66, 4882-4887.	1.0	27
74	Development of Oxidative Formylation and Ketonylation Reactions. <i>Synthesis</i> , 2010, 2010, 870-881.	1.2	5
75	Cyclopropenium-activated Beckmann rearrangement. Catalysis versus self-propagation in reported organocatalytic Beckmann rearrangements. <i>Chemical Science</i> , 2010, 1, 705.	3.7	72
76	Multicyclic Synthesis of Complex Tetrahydrofurans Involving Bismuth(III) Triflate Catalyzed Intramolecular Hydroalkoxylation of Unactivated Olefins. <i>Organic Letters</i> , 2009, 11, 1381-1383.	2.4	66
77	Lanthanum(III) Triflate-Catalyzed Cyclopropanation via Intramolecular Methylene Transfer. <i>Journal of the American Chemical Society</i> , 2009, 131, 7536-7537.	6.6	28
78	Development of a Formal [4 + 1] Cycloaddition: Pd(OAc) ₂ -Catalyzed Intramolecular Cyclopropanation of 1,3-Dienyl β -Keto Esters and MgI ₂ -Promoted Vinylcyclopropane \rightarrow Cyclopentene Rearrangement. <i>Journal of the American Chemical Society</i> , 2009, 131, 2496-2498.	6.6	84
79	Leaving Group Potential of a Substituted Cyclopentadienyl Anion Toward Oxidative Addition. <i>Organic Letters</i> , 2009, 11, 4108-4110.	2.4	31
80	Multicyclic Synthesis of β -Pyrrolidinyl Ketones via a Tandem Palladium(II)/Indium(III)-Catalyzed Aminochlorocarbonylation/Friedel-Crafts Acylation Reaction. <i>Journal of the American Chemical Society</i> , 2009, 131, 3124-3125.	6.6	140
81	Aromatic Cation Activation of Alcohols: Conversion to Alkyl Chlorides Using Dichlorodiphenylcyclopropene. <i>Journal of the American Chemical Society</i> , 2009, 131, 13930-13931.	6.6	79
82	Total Synthesis of UCS1025A. <i>Journal of the American Chemical Society</i> , 2006, 128, 426-427.	6.6	93
83	Olefin Cross-Metathesis: A Powerful Tool for Constructing Vaccines Composed of Multimeric Antigens. <i>Journal of Carbohydrate Chemistry</i> , 2005, 24, 425-440.	0.4	21
84	Development of a New Lewis Acid-Catalyzed [3,3]-Sigmatropic Rearrangement: The Allenolate-Claisen Rearrangement. <i>Journal of the American Chemical Society</i> , 2002, 124, 13646-13647.	6.6	71
85	Metal-Free Ring-Opening Metathesis Polymerization with Hydrazone Initiators. <i>Angewandte Chemie</i> , 0, , .	1.6	0