

James E Taylor

List of Publications by Year in descending order

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papers

2,423
citations

186265

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48
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docs citations

76
times ranked

2518
citing authors

#	ARTICLE	IF	CITATIONS
1	Amidines, isothioureas, and guanidines as nucleophilic catalysts. <i>Chemical Society Reviews</i> , 2012, 41, 2109.	38.1	405
2	Catalytic Stereoselective [2,3]-Rearrangement Reactions. <i>ACS Catalysis</i> , 2015, 5, 7446-7479.	11.2	132
3	Tandem Palladium and Isothiourea Relay Catalysis: Enantioselective Synthesis of β -Amino Acid Derivatives via Allylic Amination and [2,3]-Sigmatropic Rearrangement. <i>Journal of the American Chemical Society</i> , 2017, 139, 11895-11902.	13.7	117
4	Borrowing Hydrogen in Water and Ionic Liquids: Iridium-Catalyzed Alkylation of Amines with Alcohols. <i>Organic Process Research and Development</i> , 2010, 14, 1046-1049.	2.7	103
5	A C=O... π -Isothiouonium Interaction Dictates Enantiodiscrimination in Acylative Kinetic Resolutions of Tertiary Heterocyclic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3200-3206.	13.8	102
6	Click-fluors... Modular Fluorescent Saccharide Sensors Based on a 1,2,3-Triazole Ring. <i>Journal of Organic Chemistry</i> , 2008, 73, 2871-2874.	3.2	92
7	Catalytic Enantioselective [2,3]-Rearrangements of Allylic Ammonium Ylides: A Mechanistic and Computational Study. <i>Journal of the American Chemical Society</i> , 2017, 139, 4366-4375.	13.7	92
8	Friedel-Crafts Acylation of Pyrroles and Indoles using 1,5-Diazabicyclo[4.3.0]non-5-ene (DBN) as a Nucleophilic Catalyst. <i>Organic Letters</i> , 2010, 12, 5740-5743.	4.6	90
9	NHC-Promoted Asymmetric β -Lactone Formation from Arylalkylketenes and Electron-Deficient Benzaldehydes or Pyridinecarboxaldehydes. <i>Journal of Organic Chemistry</i> , 2013, 78, 3925-3938.	3.2	66
10	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
11	Rate and Equilibrium Constants for the Addition of N-Heterocyclic Carbenes into Benzaldehydes: A Remarkable α -Substituent Effect. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6887-6892.	13.8	63
12	Asymmetric NHC-Catalyzed Redox β -Amination of β -Aroyloxyaldehydes. <i>Organic Letters</i> , 2013, 15, 6058-6061.	4.6	60
13	Best practice considerations for using the selectivity factor, s , as a metric for the efficiency of kinetic resolutions. <i>Tetrahedron</i> , 2018, 74, 5554-5560.	1.9	55
14	Synthesis of furans, pyrroles and pyridazines by a ruthenium-catalysed isomerisation of alkynediols and in situ cyclisation. <i>Tetrahedron</i> , 2009, 65, 8981-8986.	1.9	54
15	Exploiting the Imidazolium Effect in Base-free Ammonium Enolate Generation: Synthetic and Mechanistic Studies. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14394-14399.	13.8	50
16	Stereodivergent Organocatalytic Intramolecular Michael Addition/Lactonization for the Asymmetric Synthesis of Substituted Dihydrobenzofurans and Tetrahydrofurans. <i>Chemistry - A European Journal</i> , 2014, 20, 9762-9769.	3.3	49
17	Brønsted Acid-catalysed Dehydrative Substitution Reactions of Alcohols. <i>Chemistry - A European Journal</i> , 2021, 27, 106-120.	3.3	47
18	A C=O... π -Isothiouonium Interaction Dictates Enantiodiscrimination in Acylative Kinetic Resolutions of Tertiary Heterocyclic Alcohols. <i>Angewandte Chemie</i> , 2018, 130, 3254-3260.	2.0	43

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19	Organocatalytic Michael addition-lactonisation of carboxylic acids using \hat{I}^{\pm}, \hat{I}^2 -unsaturated trichloromethyl ketones as \hat{I}^{\pm}, \hat{I}^2 -unsaturated ester equivalents. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9016-9027.	2.8	41
20	Aryl Boronic Acid Catalysed Dehydrative Substitution of Benzylic Alcohols for C \hat{O} Bond Formation. <i>Chemistry - A European Journal</i> , 2019, 25, 3950-3956.	3.3	40
21	Exploring the scope of the isothiourea-mediated synthesis of dihydropyridinones. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2177-2191.	2.8	38
22	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
23	Enantioselective NHC-Catalyzed Redox [4 + 2]-Hetero-Diels-Alder Reactions Using \hat{I}^{\pm}, \hat{I}^2 -Unsaturated Trichloromethyl Ketones as Amide Equivalents. <i>Journal of Organic Chemistry</i> , 2015, 80, 9728-9739.	3.2	34
24	Iodide as an Activating Agent for Acid Chlorides in Acylation Reactions. <i>Organic Letters</i> , 2013, 15, 702-705.	4.6	33
25	Enantioselective Stereodivergent Nucleophile-Dependent Isothiourea-Catalysed Domino Reactions. <i>Chemistry - A European Journal</i> , 2016, 22, 17748-17757.	3.3	33
26	<i>N</i> -Acyl DBN Tetraphenylborate Salts as <i>N</i> -Acyating Agents. <i>Journal of Organic Chemistry</i> , 2012, 77, 2808-2818.	3.2	32
27	Isothiourea-Catalysed Acylative Kinetic Resolution of Aryl-Alkenyl (sp ² vs. sp ³) Tj ETQq1 1 0.784314 r _{BT} / Overlock 10 T	3.3	30
28	Asymmetric Strecker Synthesis of \hat{I}^{\pm} -Arylglycines. <i>Journal of Organic Chemistry</i> , 2011, 76, 6038-6047.	3.2	29
29	Rate and Equilibrium Constants for the Addition of <i>N</i> -Heterocyclic Carbenes into Benzaldehydes: A Remarkable σ -Substituent Effect. <i>Angewandte Chemie</i> , 2015, 127, 6991-6996.	2.0	29
30	Carbon nanoparticle surface functionalisation: converting negatively charged sulfonate to positively charged sulfonamide. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4872.	2.8	27
31	Isothiourea-Catalyzed Enantioselective Functionalization of 2-Pyrrolyl Acetic Acid: Two-Step Synthesis of Stereodefined Dihydroindolizinones. <i>Organic Letters</i> , 2018, 20, 5482-5485.	4.6	24
32	Organocatalytic Synthesis of Fused Bicyclic 2,3-Dihydro-1,3,4-oxadiazoles through an Intramolecular Cascade Cyclization. <i>Organic Letters</i> , 2015, 17, 5824-5827.	4.6	23
33	Isothiourea-catalysed enantioselective pyrrolizine synthesis: synthetic and computational studies. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8957-8965.	2.8	23
34	Carbon Nanoparticle Surface Electrochemistry: High-Density Covalent Immobilisation and Pore-Reactivity of 9,10-Anthraquinone. <i>Electroanalysis</i> , 2011, 23, 1320-1324.	2.9	22
35	Unanticipated Silyl Transfer in Enantioselective \hat{I}^{\pm}, \hat{I}^2 -Unsaturated Acyl Ammonium Catalysis Using Silyl Nitronates. <i>Organic Letters</i> , 2020, 22, 335-339.	4.6	22
36	Arylboronic Acid Catalyzed <i>C</i> -Alkylation and Allylation Reactions Using Benzylic Alcohols. <i>Organic Letters</i> , 2020, 22, 7547-7551.	4.6	21

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37	Evaluating aryl esters as bench-stable C(1)-ammonium enolate precursors in catalytic, enantioselective Michael addition–lactonisations. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4747-4752.	2.8	19
38	Dihydroxylation-Based Approach for the Asymmetric Syntheses of Hydroxy- β -butyrolactones. <i>Journal of Organic Chemistry</i> , 2012, 77, 543-555.	3.2	18
39	Enantioselective NHC-catalysed redox [4+2]-hetero-Diels-Alder reactions using α -aryloxyaldehydes and unsaturated ketoesters. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 355-366.	1.8	16
40	Exploiting the Imidazolium Effect in Base-free Ammonium Enolate Generation: Synthetic and Mechanistic Studies. <i>Angewandte Chemie</i> , 2016, 128, 14606-14611.	2.0	15
41	N-Acyl 1,5-diazabicyclo[4.3.0]non-5-ene (DBN) tetraphenylborate salts as O-acylating agents. <i>Tetrahedron Letters</i> , 2012, 53, 4074-4076.	1.4	14
42	Asymmetric Synthesis of Chiral β -Lactones Containing Multiple Contiguous Stereocenters. <i>Organic Letters</i> , 2011, 13, 3592-3595.	4.6	13
43	A Modular Approach for the Synthesis of Nanometer-Sized Polynitroxide Multi-Spin Systems. <i>Journal of Organic Chemistry</i> , 2014, 79, 8313-8323.	3.2	13
44	Diethylamine–Sulfonamide–Modified Carbon Nanoparticles as High Surface Area Substrates for Coenzyme Q10; Lipid Electrochemistry. <i>Electroanalysis</i> , 2012, 24, 1003-1010.	2.9	11
45	Enantioselective NHC-Catalysed Formal [4+2] Cycloaddition of Alkylaryl Ketenes with α,β -Unsaturated β -Ketophosphonates. <i>Synlett</i> , 2013, 24, 1243-1249.	1.8	11
46	Liquid–liquid electro-organo-synthetic processes in a carbon nanofibre membrane microreactor: Triple phase boundary effects in the absence of intentionally added electrolyte. <i>Electrochimica Acta</i> , 2011, 56, 6764-6770.	5.2	10
47	Mechanistic aspects of aldehyde and imine electro-reduction in a liquid–liquid carbon nanofiber membrane microreactor. <i>Tetrahedron Letters</i> , 2012, 53, 3357-3360.	1.4	10
48	N- to C-sulfonyl photoisomerisation of dihydropyridinones: a synthetic and mechanistic study. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8914-8922.	2.8	10
49	Voltammetric Measurements at the Surface of Cotton: Absorption and Catalase Reactivity of a Dinuclear Manganese Complex. <i>Langmuir</i> , 2007, 23, 2239-2246.	3.5	8
50	An Intermolecular Double [2+2] Cyclodimerization of a Tetraalkyne. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2266-2268.	13.8	6
51	Synthesis of the natural product descourainolide and cyclic peptides from lignin-derived aromatics. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 266-273.	2.8	6
52	A Selective Deprotection Strategy for the Construction of trans-2-Aminocyclopropanecarboxylic Acid Derived Peptides. <i>Organic Letters</i> , 2019, 21, 100-103.	4.6	6
53	Voltammetric study of absorption and reactivity of metal complexes in cotton immersed in aqueous buffer solutions. <i>Journal of Electroanalytical Chemistry</i> , 2007, 601, 211-219.	3.8	5
54	Scope, Limitations and Mechanistic Analysis of the HyperBTM-Catalyzed Acylative Kinetic Resolution of Tertiary Heterocyclic Alcohols**. <i>European Journal of Organic Chemistry</i> , 2022, 2022, e202101111.	2.4	4

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55	Solid-phase asymmetric synthesis using a polymer-supported chiral Evans'-type oxazolidin-2-one. Nature Protocols, 2013, 8, 1890-1906.	12.0	3