

Brandon L Ashfeld

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4574933/publications.pdf>

Version: 2024-02-01

53
papers

1,415
citations

236925

25
h-index

345221

36
g-index

76
all docs

76
docs citations

76
times ranked

1479
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphine-Based Redox Catalysis in the Direct Traceless Staudinger Ligation of Carboxylic Acids and Azides. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12036-12040.	13.8	93
2	Direct, Stereoselective Substitution in [Rh(CO)2Cl]2-Catalyzed Allylic Alkylations of Unsymmetrical Substrates. <i>Organic Letters</i> , 2004, 6, 1321-1324.	4.6	76
3	Titanocene-Catalyzed Conjugate Reduction of α,β -Unsaturated Carbonyl Derivatives. <i>Organic Letters</i> , 2010, 12, 44-47.	4.6	69
4	Phosphorus(III)-Mediated Stereoconvergent Formal [4+1]-Cycloannulation of 1,2-Dicarbonyls and <i>o</i> -Quinone Methides: A Multicomponent Assembly of 2,3-Dihydrobenzofurans. <i>Organic Letters</i> , 2016, 18, 4514-4517.	4.6	65
5	Enantioselective Syntheses of Tremulenediol A and Tremulenolide A. <i>Organic Letters</i> , 2005, 7, 4535-4537.	4.6	63
6	Hierarchically porous materials via assembly of nitrogen-rich polymer nanoparticles for efficient and selective CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14862.	10.3	58
7	[Rh(CO)2Cl]2-Catalyzed Domino Reactions Involving Allylic Substitution and Subsequent Carbocyclization Reactions. <i>Organic Letters</i> , 2005, 7, 1661-1663.	4.6	45
8	Stereochemical implications in the synthesis of 3,3- α^2 -spirocyclopropyl oxindoles from β -aryl/alkyl-substituted alkylidene oxindoles. <i>Tetrahedron</i> , 2015, 71, 5765-5775.	1.9	45
9	Ionic liquid enables highly efficient low temperature desalination by directional solvent extraction. <i>Nature Communications</i> , 2021, 12, 437.	12.8	42
10	Features and Applications of [Rh(CO) ₂ Cl] ₂ -Catalyzed Alkylations of Unsymmetrical Allylic Substrates. <i>Journal of Organic Chemistry</i> , 2007, 72, 9018-9031.	3.2	41
11	An umpolung approach toward N-aryl nitron construction: a phosphine-mediated addition of 1,2-dicarbonyls to nitroso electrophiles. <i>Chemical Communications</i> , 2014, 50, 10853-10856.	4.1	41
12	A Rhodium(II)-Catalyzed Formal [4+1]-Cycloaddition toward Spirooxindole Pyrrolone Construction Employing Vinyl Isocyanates as 1,4-Dipoles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6604-6608.	13.8	41
13	Organozinc Generation via the Titanium-Catalyzed Activation of Alkyl Halides. <i>Organic Letters</i> , 2009, 11, 5670-5673.	4.6	37
14	Cooperative Titanocene and Phosphine Catalysis: Accelerated C-X Activation for the Generation of Reactive Organometallics. <i>Journal of Organic Chemistry</i> , 2013, 78, 253-269.	3.2	37
15	Enantioselective syntheses of tremulenediol A and tremulenolide A. <i>Tetrahedron</i> , 2006, 62, 10497-10506.	1.9	36
16	Titanocene-Catalyzed Multicomponent Coupling Approach to Diarylethynyl Methanes. <i>Journal of the American Chemical Society</i> , 2012, 134, 18217-18220.	13.7	34
17	GAD1 Upregulation Programs Aggressive Features of Cancer Cell Metabolism in the Brain Metastatic Microenvironment. <i>Cancer Research</i> , 2017, 77, 2844-2856.	0.9	33
18	Direct Acyl Substitution of Carboxylic Acids: A Chemoselective $O \rightarrow N$ Acyl Migration in the Traceless Staudinger Ligation. <i>Chemistry - A European Journal</i> , 2012, 18, 14444-14453.	3.3	31

#	ARTICLE	IF	CITATIONS
19	Amine-Free Approach toward <i>N</i> -Toluenesulfonyl Amidine Construction: A Phosphite-Mediated Beckmann-Like Coupling of Oximes and <i>N</i> -Toluenesulfonyl Azide. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11589-11593.	13.8	31
20	A Rhodium(II)-Catalyzed Formal [4+1]-Cycloaddition toward Spirooxindole Pyrrolone Construction Employing Vinyl Isocyanates as 1,4-Dipoles. <i>Angewandte Chemie</i> , 2017, 129, 6704-6708.	2.0	31
21	Synthesis of Phosphine-Ligated Zinc Acetylides: Enhanced Reactivity in Carbonyl Additions. <i>Organometallics</i> , 2011, 30, 5214-5221.	2.3	30
22	Solid-State Covalent Capture of CO ₂ by Using <i>N</i> -Heterocyclic Carbenes. <i>Chemistry - A European Journal</i> , 2013, 19, 11134-11138.	3.3	30
23	An unusual stereoretentive 1,3-quaternary carbon shift resulting in an enantioselective Rh ^{II} -catalyzed formal [4+1]-cycloaddition between diazo compounds and vinyl ketenes. <i>Chemical Science</i> , 2018, 9, 3221-3226.	7.4	29
24	Rearrangement of an Intermediate Cyclopropyl Ketene in a Rh ^{II} -Catalyzed Formal [4 + 1]-Cycloaddition Employing Vinyl Ketenes as 1,4-Dipoles and Donor-Acceptor Metallocarbenes. <i>Organic Letters</i> , 2017, 19, 2482-2485.	4.6	27
25	Generation of allyl Grignard reagents via titanocene-catalyzed activation of allyl halides. <i>Tetrahedron Letters</i> , 2010, 51, 2427-2430.	1.4	26
26	Coupling of Alkenes and Alkynes: Synthesis of the C1-C11 and C18-C28 Fragments of Miyakolide. <i>Organic Letters</i> , 2008, 10, 1893-1896.	4.6	25
27	Aryl Isocyanates as 1,4-Dipoles in a Formal [4 + 1]-Cycloaddition Approach toward Oxazolone Construction. <i>Organic Letters</i> , 2018, 20, 2315-2319.	4.6	25
28	Aryl Aldehydes as Traceless Dielectrophiles in Bifunctional Titanocene-Catalyzed Propargylic C-X Activations. <i>Organic Letters</i> , 2011, 13, 5680-5683.	4.6	24
29	Site specific carboxylation of abnormal anionic <i>N</i> -heterocyclic dicarbenes with CO ₂ . <i>Chemical Communications</i> , 2013, 49, 11527.	4.1	23
30	Activation of band 3 mediates group A <i>Streptococcus streptolysin S</i> -based beta-haemolysis. <i>Nature Microbiology</i> , 2016, 1, 15004.	13.3	23
31	Phosphine-mediated addition of 1,2-dicarbonyls to diazenes: an umpolung approach toward <i>N</i> -acyl hydrazone synthesis. <i>Tetrahedron Letters</i> , 2015, 56, 3527-3530.	1.4	21
32	Diverting β -Hydride Elimination of a η -Allyl Pd ^{II} Carbene Complex for the Assembly of Disubstituted Indolines via a Highly Diastereoselective (4 + 1)-Cycloaddition. <i>Organic Letters</i> , 2020, 22, 6605-6609.	4.6	21
33	Design, synthesis, and evaluation of curcumin-derived arylheptanoids for glioblastoma and neuroblastoma cytotoxicity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6874-6878.	2.2	19
34	Bifunctional Titanocene Catalysis in Multicomponent Couplings: A Convergent Assembly of β -Alkynyl Ketones. <i>Organic Letters</i> , 2013, 15, 2656-2659.	4.6	19
35	Relay Redox and Lewis Acid Catalysis in the Titanocene-Catalyzed Multicomponent Assembly of 1,5-Enynes. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1500-1504.	4.3	16
36	Combined Scaffold Evaluation and Systems-Level Transcriptome-Based Analysis for Accelerated Lead Optimization Reveals Ribosomal Targeting Spirooxindole Cyclopropanes. <i>ChemMedChem</i> , 2019, 14, 1653-1661.	3.2	11

#	ARTICLE	IF	CITATIONS
37	Redox and Lewis Acid Relay Catalysis: A Titanocene/Zinc Catalytic Platform in the Development of Multicomponent Coupling Reactions. <i>Journal of Organic Chemistry</i> , 2014, 79, 12083-12095.	3.2	10
38	A Phosphorus(III)-Mediated (4+1)-Cycloaddition of 1,2-Dicarbonyls and Azido-Quinone Methides to Access 2,3-Dihydroindoles. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900192.	1.6	10
39	Transition metal-free strategies for the stereoselective construction of spirocyclopropyl oxindoles. <i>Tetrahedron</i> , 2020, 76, 130692.	1.9	10
40	Nucleophilic addition of phosphorus derivatives to squaraines: colorimetric detection of transition metal-mediated or thermal reversion. <i>Chemical Communications</i> , 2019, 55, 3286-3289.	4.1	7
41	A Phosphine-Mediated Dearomative Skeletal Rearrangement of Dianiline Squaraine Dyes. <i>Organic Letters</i> , 2021, 23, 2853-2857.	4.6	5
42	Oxyphosphonium Enolate Equilibria in a (4+1)-Cycloaddition Approach toward Quaternary C3-spirooxindole Assembly. <i>Chemistry - A European Journal</i> , 2021, 27, 10349-10355.	3.3	5
43	Titanocene-catalyzed metallation of propargylic acetates in homopropargyl alcohol synthesis. <i>Tetrahedron Letters</i> , 2014, 55, 5025-5028.	1.4	4
44	Controlling phase separation behavior of thermo-responsive ionic liquids through the directed distribution of anionic charge. <i>Journal of Molecular Liquids</i> , 2022, 360, 119401.	4.9	4
45	Positional chemoselectivity in the Zn(II)-mediated removal of phenol protecting groups. <i>Tetrahedron Letters</i> , 2012, 53, 5376-5379.	1.4	3
46	(4+1)-Cycloadditions Exploiting the Biphilicity of Oxyphosphonium Enolates and RhIII/PdII-Stabilized Metallocarbenes for the Construction of Five-Membered Frameworks. <i>Synlett</i> , 2021, 32, 1157-1168.	1.8	3
47	Generation of Functionalized Azepinone Derivatives via a (4 + 3)-Cycloaddition of Vinyl Ketenes and β -Imino Carbenes Derived from N-Sulfonyl-triazoles. <i>Journal of Organic Chemistry</i> , 2022, 87, 3825-3833.	3.2	3
48	An Operationally Simple and Scalable Approach to Functionalized Ionic Liquids from Phosphonium and N-Heterocyclic Halide Salts. <i>Synlett</i> , 2013, 24, 1428-1432.	1.8	2
49	Rational Design and Identification of Harmine-Inspired, N-Heterocyclic DYRK1A Inhibitors Employing a Functional Genomic In Vivo <i>Drosophila</i> Model System**. <i>ChemMedChem</i> , 2022, , .	3.2	2
50	Direct, Stereoselective Substitution in [Rh(CO)2Cl]2-Catalyzed Allylic Alkylations of Unsymmetrical Substrates.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
51	[Rh(CO)2Cl]2-Catalyzed Domino Reactions Involving Allylic Substitution and Subsequent Carbocyclization Reactions.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
52	Abstract 4934: Brain metastatic microenvironment reshapes cancer cell metabolism through epigenetic up-regulation of glutamate decarboxylase 1. , 2017, , .		0
53	Front Cover: Rational Design and Identification of Harmine-Inspired, N-Heterocyclic DYRK1A Inhibitors Employing a Functional Genomic In Vivo <i>Drosophila</i> Model System (ChemMedChem) Tj ETQq1 1 03784314 rgb /Overl		