# Brandon L Ashfeld

List of Publications by Year
in descending order

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| 53 | 1,415 | 236925 | 345221 |
|---|---|---|---|
| papers | citations | 25 h-index | 36 g-index |

| 76 | 76 | 76 | 1479 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Rational Design and Identification of Harmineâ€Inspired, N â€Heterocyclic DYRK1A Inhibitors Employing a Functional Genomic In Vivo Drosophila Model System**. ChemMedChem, 2022, , . | 3.2 | 2 |
| 2 | Front Cover: Rational Design and Identification of Harmineâ€Inspired, Nâ€Heterocyclic DYRK1A Inhibitors Employing a Functional Genomic In Vivo Drosophila Model System (ChemMedChem) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 3.2 | 0 |
| 3 | Generation of Functionalized Azepinone Derivatives via a (4 + 3)-Cycloaddition of Vinyl Ketenes and Î±-Imino Carbenes Derived from N-Sulfonyl-triazoles. Journal of Organic Chemistry, 2022, 87, 3825-3833. | 3.2 | 3 |
| 4 | Controlling phase separation behavior of thermo-responsive ionic liquids through the directed distribution of anionic charge. Journal of Molecular Liquids, 2022, 360, 119401. | 4.9 | 4 |
| 5 | Ionic liquid enables highly efficient low temperature desalination by directional solvent extraction. Nature Communications, 2021, 12, 437. | 12.8 | 42 |
| 6 | (4+1)-Cycloadditions Exploiting the Biphilicity of Oxyphosphonium Enolates and RhII/PdII-Stabilized Metallocarbenes for the Construction of Five-Membered Frameworks. Synlett, 2021, 32, 1157-1168. | 1.8 | 3 |
| 7 | A Phosphine-Mediated Dearomative Skeletal Rearrangement of Dianiline Squaraine Dyes. Organic Letters, 2021, 23, 2853-2857. | 4.6 | 5 |
| 8 | Oxyphosphonium Enolate Equilibria in a (4+1)â€Cycloaddition Approach toward Quaternary C3â€Spirooxindole Assembly. Chemistry - A European Journal, 2021, 27, 10349-10355. | 3.3 | 5 |
| 9 | Transition metal-free strategies for the stereoselective construction of spirocyclopropyl oxindoles. Tetrahedron, 2020, 76, 130692. | 1.9 | 10 |
| 10 | Diverting Î²-Hydride Elimination of a Ï€-Allyl Pd<sup>II</sup> Carbene Complex for the Assembly of Disubstituted Indolines via a Highly Diastereoselective (4 + 1)-Cycloaddition. Organic Letters, 2020, 22, 6605-6609. | 4.6 | 21 |
| 11 | Combined Scaffold Evaluation and Systemsâ€Level Transcriptomeâ€Based Analysis for Accelerated Lead Optimization Reveals Ribosomal Targeting Spirooxindole Cyclopropanes. ChemMedChem, 2019, 14, 1653-1661. | 3.2 | 11 |
| 12 | Nucleophilic addition of phosphorus(<scp>iii</scp>) derivatives to squaraines: colorimetric detection of transition metal-mediated or thermal reversion. Chemical Communications, 2019, 55, 3286-3289. | 4.1 | 7 |
| 13 | A Phosphorus(III)â€Mediated (4+1)â€Cycloaddition of 1,2â€Dicarbonyls and Azaâ€o â€Quinone Methides to Access 2,3â€Dihydroindoles. Helvetica Chimica Acta, 2019, 102, e1900192. | 1.6 | 10 |
| 14 | An unusual stereoretentive 1,3-quaternary carbon shift resulting in an enantioselective Rh<sup>II</sup>-catalyzed formal [4+1]-cycloaddition between diazo compounds and vinyl ketenes. Chemical Science, 2018, 9, 3221-3226. | 7.4 | 29 |
| 15 | Aroyl Isocyanates as 1,4-Dipoles in a Formal [4 + 1]-Cycloaddition Approach toward Oxazolone Construction. Organic Letters, 2018, 20, 2315-2319. | 4.6 | 25 |
| 16 | GAD1 Upregulation Programs Aggressive Features of Cancer Cell Metabolism in the Brain Metastatic Microenvironment. Cancer Research, 2017, 77, 2844-2856. | 0.9 | 33 |
| 17 | A Rhodium(II)â€Catalyzed Formal [4+1]â€Cycloaddition toward Spirooxindole Pyrrolone Construction Employing Vinyl Isocyanates as 1,4â€Dipoles. Angewandte Chemie - International Edition, 2017, 56, 6604-6608. | 13.8 | 41 |
| 18 | Rearrangement of an Intermediate Cyclopropyl Ketene in a Rh<sup>II</sup>-Catalyzed Formal [4 + 1]-Cycloaddition Employing Vinyl Ketenes as 1,4-Dipoles and Donorâ€“Acceptor Metallocarbenes. Organic Letters, 2017, 19, 2482-2485. | 4.6 | 27 |

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| 19 | A Rhodium(II)â€Catalyzed Formal [4+1]â€Cycloaddition toward Spirooxindole Pyrrolone Construction Employing Vinyl Isocyanates as 1,4â€Dipoles. Angewandte Chemie, 2017, 129, 6704-6708. | 2.0 | 31 |
| 20 | Abstract 4934: Brain metastatic microenvironment reshapes cancer cell metabolism through epigenetic up-regulation of glutamate decarboxylase 1. , 2017, , . | | 0 |
| 21 | Phosphorus(III)-Mediated Stereoconvergent Formal [4+1]-Cycloannulation of 1,2-Dicarbonyls and o-Quinone Methides: A Multicomponent Assembly of 2,3-Dihydrobenzofurans. Organic Letters, 2016, 18, 4514-4517. | 4.6 | 65 |
| 22 | Activation of band 3 mediates group A Streptococcus streptolysin S-based beta-haemolysis. Nature Microbiology, 2016, 1, 15004. | 13.3 | 23 |
| 23 | Phosphine-mediated addition of 1,2-dicarbonyls to diazenes: an umpolung approach toward N-acyl hydrazone synthesis. Tetrahedron Letters, 2015, 56, 3527-3530. | 1.4 | 21 |
| 24 | Stereochemical implications in the synthesis of 3,3â€²-spirocyclopropyl oxindoles from Î²-aryl/alkyl-substituted alkylidene oxindoles. Tetrahedron, 2015, 71, 5765-5775. | 1.9 | 45 |
| 25 | Redox and Lewis Acid Relay Catalysis: A Titanocene/Zinc Catalytic Platform in the Development of Multicomponent Coupling Reactions. Journal of Organic Chemistry, 2014, 79, 12083-12095. | 3.2 | 10 |
| 26 | An umpolung approach toward N-aryl nitrone construction: a phosphine-mediated addition of 1,2-dicarbonyls to nitroso electrophiles. Chemical Communications, 2014, 50, 10853-10856. | 4.1 | 41 |
| 27 | Titanocene-catalyzed metallation of propargylic acetates in homopropargyl alcohol synthesis. Tetrahedron Letters, 2014, 55, 5025-5028. | 1.4 | 4 |
| 28 | Solidâ€State Covalent Capture of CO<sub>2</sub> by Using Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2013, 19, 11134-11138. | 3.3 | 30 |
| 29 | Amineâ€Free Approach toward Nâ€Toluenesulfonyl Amidine Construction: A Phosphiteâ€Mediated Beckmannâ€Like Coupling of Oximes and pâ€Toluenesulfonyl Azide. Angewandte Chemie - International Edition, 2013, 52, 11589-11593. | 13.8 | 31 |
| 30 | Site specific carboxylation of abnormal anionic N-heterocyclic dicarbenes with CO2. Chemical Communications, 2013, 49, 11527. | 4.1 | 23 |
| 31 | Hierarchically porous materials via assembly of nitrogen-rich polymer nanoparticles for efficient and selective CO2 capture. Journal of Materials Chemistry A, 2013, 1, 14862. | 10.3 | 58 |
| 32 | Cooperative Titanocene and Phosphine Catalysis: Accelerated Câ€“X Activation for the Generation of Reactive Organometallics. Journal of Organic Chemistry, 2013, 78, 253-269. | 3.2 | 37 |
| 33 | Design, synthesis, and evaluation of curcumin-derived arylheptanoids for glioblastoma and neuroblastoma cytotoxicity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6874-6878. | 2.2 | 19 |
| 34 | Bifunctional Titanocene Catalysis in Multicomponent Couplings: A Convergent Assembly of Î²-Alkynyl Ketones. Organic Letters, 2013, 15, 2656-2659. | 4.6 | 19 |
| 35 | Relay Redox and Lewis Acid Catalysis in the Titanoceneâ€•Catalyzed Multicomponent Assembly of 1,5â€Enynes. Advanced Synthesis and Catalysis, 2013, 355, 1500-1504. | 4.3 | 16 |
| 36 | An Operationally Simple and Scalable Approach to Functionalized Ionic Liquids from Phosphonium and N-Heterocyclic Halide Salts. Synlett, 2013, 24, 1428-1432. | 1.8 | 2 |

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|---|---|---|---|
| 37 | Phosphineâ€Based Redox Catalysis in the Direct Traceless Staudinger Ligation of Carboxylic Acids and Azides. Angewandte Chemie - International Edition, 2012, 51, 12036-12040. | 13.8 | 93 |
| 38 | Positional chemoselectivity in the Zn(II)-mediated removal of phenol protecting groups. Tetrahedron Letters, 2012, 53, 5376-5379. | 1.4 | 3 |
| 39 | Titanocene-Catalyzed Multicomponent Coupling Approach to Diarylethynyl Methanes. Journal of the American Chemical Society, 2012, 134, 18217-18220. | 13.7 | 34 |
| 40 | Direct Acyl Substitution of Carboxylic Acids: A Chemoselective Oâ€•to Nâ€Acyl Migration in the Traceless Staudinger Ligation. Chemistry - A European Journal, 2012, 18, 14444-14453. | 3.3 | 31 |
| 41 | Aryl Aldehydes as Traceless Dielectrophiles in Bifunctional Titanocene-Catalyzed Propargylic Câ€“X Activations. Organic Letters, 2011, 13, 5680-5683. | 4.6 | 24 |
| 42 | Synthesis of Phosphine-Ligated Zinc Acetylide Dimers: Enhanced Reactivity in Carbonyl Additions. Organometallics, 2011, 30, 5214-5221. | 2.3 | 30 |
| 43 | Generation of allyl Grignard reagents via titanocene-catalyzed activation of allyl halides. Tetrahedron Letters, 2010, 51, 2427-2430. | 1.4 | 26 |
| 44 | Titanocene-Catalyzed Conjugate Reduction of Î±,Î²-Unsaturated Carbonyl Derivatives. Organic Letters, 2010, 12, 44-47. | 4.6 | 69 |
| 45 | Organozinc Generation via the Titanium-Catalyzed Activation of Alkyl Halides. Organic Letters, 2009, 11, 5670-5673. | 4.6 | 37 |
| 46 | Coupling of Alkenes and Alkynes: Synthesis of the C1â^'C11 and C18â^'C28 Fragments of Miyakolide. Organic Letters, 2008, 10, 1893-1896. | 4.6 | 25 |
| 47 | Features and Applications of [Rh(CO)<sub>2</sub>Cl]<sub>2</sub>-Catalyzed Alkylations of Unsymmetrical Allylic Substrates. Journal of Organic Chemistry, 2007, 72, 9018-9031. | 3.2 | 41 |
| 48 | Enantioselective syntheses of tremulenediol A and tremulenolide A. Tetrahedron, 2006, 62, 10497-10506. | 1.9 | 36 |
| 49 | [Rh(CO)2Cl]2-Catalyzed Domino Reactions Involving Allylic Substitution and Subsequent Carbocyclization Reactions.. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 50 | [Rh(CO)2Cl]2-Catalyzed Domino Reactions Involving Allylic Substitution and Subsequent Carbocyclization Reactions. Organic Letters, 2005, 7, 1661-1663. | 4.6 | 45 |
| 51 | Enantioselective Syntheses of Tremulenediol A and Tremulenolide A. Organic Letters, 2005, 7, 4535-4537. | 4.6 | 63 |
| 52 | Direct, Stereoselective Substitution in [Rh(CO)2Cl]2-Catalyzed Allylic Alkylations of Unsymmetrical Substrates.. ChemInform, 2004, 35, no. | 0.0 | 0 |
| 53 | Direct, Stereoselective Substitution in [Rh(CO)2Cl]2-Catalyzed Allylic Alkylations of Unsymmetrical Substrates. Organic Letters, 2004, 6, 1321-1324. | 4.6 | 76 |