

Pier Alexandre Champagne

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,928
citations

361413

20
h-index

377865

34
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46
all docs

46
docs citations

46
times ranked

2069
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Monofluorination of Organic Compounds: 10 Years of Innovation. <i>Chemical Reviews</i> , 2015, 115, 9073-9174. | 47.7 | 761 |
| 2 | Friedel-Crafts Reaction of Benzyl Fluorides: Selective Activation of C-F Bonds as Enabled by Hydrogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13835-13839. | 13.8 | 199 |
| 3 | Organic Fluorine as a Hydrogen-Bond Acceptor: Recent Examples and Applications. <i>Synthesis</i> , 2015, 47, 306-322. | 2.3 | 112 |
| 4 | Enabling Nucleophilic Substitution Reactions of Activated Alkyl Fluorides through Hydrogen Bonding. <i>Organic Letters</i> , 2013, 15, 2210-2213. | 4.6 | 82 |
| 5 | Stereocontrolled Approach to Bromofluoroalkenes and Their Use for the Synthesis of Tri- and Tetrasubstituted Fluoroalkenes. <i>Organic Letters</i> , 2009, 11, 681-684. | 4.6 | 59 |
| 6 | Origins of Selectivity and General Model for Chiral Phosphoric Acid-Catalyzed Oxetane Desymmetrizations. <i>Journal of the American Chemical Society</i> , 2016, 138, 12356-12359. | 13.7 | 50 |
| 7 | Activation Mode and Origin of Selectivity in Chiral Phosphoric Acid-Catalyzed Oxetane Formation by Intramolecular Oxetane Desymmetrizations. <i>ACS Catalysis</i> , 2017, 7, 7332-7339. | 11.2 | 45 |
| 8 | Sydnone-Based Approach to Heterohelicenes through 1,3-Dipolar-Cycloadditions. <i>Journal of the American Chemical Society</i> , 2019, 141, 1435-1440. | 13.7 | 43 |
| 9 | Bioorthogonal release of sulfonamides and mutually orthogonal liberation of two drugs. <i>Chemical Communications</i> , 2018, 54, 14089-14092. | 4.1 | 42 |
| 10 | Recent advances in the stereoselective synthesis of acyclic all-carbon tetrasubstituted alkenes. <i>Chemical Communications</i> , 2021, 57, 4071-4088. | 4.1 | 40 |
| 11 | Synthesis of [¹⁸ F]Fluoroarenes by Nucleophilic Radiofluorination of Arylsydnes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13006-13010. | 13.8 | 39 |
| 12 | Stereocontrolled Access to Unsymmetrical 1,1-Diaryl-2-fluoroethenes. <i>Organic Letters</i> , 2009, 11, 5406-5409. | 4.6 | 33 |
| 13 | Faster initiation in the Friedel-Crafts reaction of benzyl fluorides using trifluoroacetic acid as activator. <i>Journal of Fluorine Chemistry</i> , 2016, 190, 1-6. | 1.7 | 33 |
| 14 | Heterohelicenes through 1,3-Dipolar Cycloaddition of Sydnones with Arynes: Synthesis, Origins of Selectivity, and Application to pH-Triggered Chiroptical Switch with CPL Sign Reversal. <i>JACS</i> , 2021, 143, 807-818. | 7.9 | 29 |
| 15 | In situ activation of benzyl alcohols with XtalFluor-E: formation of 1,1-diarylmethanes and 1,1,1-triarylmethanes through Friedel-Crafts benzylation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2243-2246. | 2.8 | 27 |
| 16 | Revised mechanistic explanation for the alcohol-promoted amination of benzylic fluorides under highly concentrated conditions: Computational and experimental evidence on a model substrate. <i>Journal of Fluorine Chemistry</i> , 2015, 171, 113-119. | 1.7 | 27 |
| 17 | Photoinitiated anti-Hydropentafluorosulfanylation of Terminal Alkynes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 13.8 | 27 |
| 18 | Triol-promoted activation of C-F bonds: Amination of benzylic fluorides under highly concentrated conditions mediated by 1,1,1-tris(hydroxymethyl)propane. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2451-2456. | 2.2 | 26 |

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|----|--|------|-----------|
| 19 | Influence of Endo- and Exocyclic Heteroatoms on Stabilities and 1,3-Dipolar Cycloaddition Reactivities of Mesoionic Azomethine Ylides and Imines. <i>Journal of Organic Chemistry</i> , 2017, 82, 10980-10988. | 3.2 | 26 |
| 20 | Understanding and Interrupting the Fischer Azaindolization Reaction. <i>Journal of the American Chemical Society</i> , 2017, 139, 14833-14836. | 13.7 | 19 |
| 21 | Enzymatic one-step ring contraction for quinolone biosynthesis. <i>Nature Communications</i> , 2018, 9, 2826. | 12.8 | 18 |
| 22 | Stereospecific Ring Contraction of Bromocycloheptenes through Dyotropic Rearrangements via Nonclassical Carbocation-Anion Pairs. <i>Journal of the American Chemical Society</i> , 2018, 140, 4986-4990. | 13.7 | 17 |
| 23 | Stereochemical outcomes of C-F activation reactions of benzyl fluoride. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 106-113. | 2.2 | 15 |
| 24 | Thiourea-Catalyzed C-F Bond Activation: Amination of Benzylic Fluorides. <i>Chemistry - A European Journal</i> , 2020, 26, 10620-10625. | 3.3 | 14 |
| 25 | Synthesis of [¹⁸ F]Fluoroarenes by Nucleophilic Radiofluorination of <i>N</i> -Arylsydnone. <i>Angewandte Chemie</i> , 2017, 129, 13186-13190. | 2.0 | 10 |
| 26 | One-Pot Sequential Kumada-Tamao-Corriu Couplings of (Hetero)Aryl Polyhalides in the Presence of Grignard-Sensitive Functional Groups Using Pd-PEPPSI-Pent ^{Cl} . <i>Chemistry - A European Journal</i> , 2019, 25, 6508-6512. | 3.3 | 10 |
| 27 | Photoinitiated anti-Hydropentafluorosulfanylation of Terminal Alkynes. <i>Angewandte Chemie</i> , 0, , . | 2.0 | 10 |
| 28 | Nucleophilic ¹⁸ F-Fluorination of Anilines via <i>N</i> -Arylsydnone Intermediates. <i>Synlett</i> , 2018, 29, 1131-1135. | 1.8 | 9 |
| 29 | Capture of Electrochemically Generated Fleeting Carbazole Radical Cations and Elucidation of Carbazole Dimerization Mechanism by Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 15291-15296. | 6.5 | 8 |
| 30 | Rate and Computational Studies for Pd-NHC-Catalyzed Amination with Primary Alkylamines and Secondary Anilines: Rationalizing Selectivity for Monoarylation versus Diarylation with NHC Ligands. <i>Chemistry - A European Journal</i> , 2019, 25, 14223-14229. | 3.3 | 7 |
| 31 | Identifying the true origins of selectivity in chiral phosphoric acid catalyzed <i>N</i> -acyl-azetidine desymmetrizations. <i>Chemical Science</i> , 2021, 12, 15662-15672. | 7.4 | 7 |
| 32 | Binding Modes and Origins of Enantioselectivity in the Phase-Transfer-Catalyzed Conjugate Cyanation of ¹ H ² -Trifluoromethylated Chalcones. <i>ACS Catalysis</i> , 2022, 12, 8185-8194. | 11.2 | 5 |
| 33 | Selective chlorination of iminosydnone for fast release of amide, sulfonamide and urea-containing drugs. <i>Chemical Communications</i> , 2022, 58, 8500-8503. | 4.1 | 5 |
| 34 | Experimental and Computational Study on the Anti-Markovnikov Hydrofunctionalization of Olefins Using Glycine-Extended AQ-Auxiliaries. <i>Chemistry - A European Journal</i> , 2021, 27, 3855-3860. | 3.3 | 4 |