

# Silas P Cook

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

2,088  
citations

304743

22  
h-index

361022

35  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2099  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Iron-Catalyzed Borylation of Alkyl Electrophiles. <i>Journal of the American Chemical Society</i> , 2014, 136, 9521-9523.  | 13.7 | 189       |
| 2  | Manganese-Catalyzed Borylation of Unactivated Alkyl Chlorides. <i>Journal of the American Chemical Society</i> , 2016, 138, 6139-6142.   | 13.7 | 171       |
| 3  | Iron-Catalyzed, Fluoroamide-Directed C-H Fluorination. <i>Journal of the American Chemical Society</i> , 2016, 138, 12771-12774.   | 13.7 | 170       |
| 4  | A Unified Strategy for Iron-Catalyzed <i>ortho</i> -Alkylation of Carboxamides. <i>Journal of the American Chemical Society</i> , 2014, 136, 13130-13133.  | 13.7 | 143       |
| 5  | A Concise Synthesis of (+)-Artemisinin. <i>Journal of the American Chemical Society</i> , 2012, 134, 13577-13579.  | 13.7 | 137       |
| 6  | Iron-Catalyzed C(sp <sup>2</sup> )-H Alkylation of Carboxamides with Primary Electrophiles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11065-11069.  | 13.8 | 127       |
| 7  | Aqueous Benzylic C-H Trifluoromethylation for Late-Stage Functionalization. <i>Journal of the American Chemical Society</i> , 2018, 140, 12378-12382.  | 13.7 | 114       |
| 8  | Copper-Catalyzed, N-Directed Csp <sup>3</sup> -H Trifluoromethylthiolation (â <sup>3</sup> SCF <sub>3</sub> ) and Trifluoromethylselenation (â <sup>3</sup> SeCF <sub>3</sub> ). <i>Journal of the American Chemical Society</i> , 2019, 141, 18405-18410. | 13.7 | 100       |
| 9  | Iron-Catalyzed Cross-Coupling Reactions of Alkyl Grignards with Aryl Sulfamates and Tosylates. <i>Organic Letters</i> , 2013, 15, 96-99.   | 4.6  | 90        |
| 10 | A Reductive-Heck Approach to the Hydroazulene Ring System: A Formal Synthesis of the Englerins. <i>Organic Letters</i> , 2012, 14, 3340-3343.  | 4.6  | 87        |
| 11 | Palladium-Catalyzed Alkyne Insertion/Suzuki Reaction of Alkyl Iodides. <i>Journal of the American Chemical Society</i> , 2012, 134, 15297-15300.   | 13.7 | 74        |
| 12 | Palladium-Catalyzed Intramolecular Iodine-Transfer Reactions in the Presence of <sup>2</sup> H Hydrogen Atoms. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14214-14218.   | 13.8 | 72        |
| 13 | A microdroplet-accelerated Biginelli reaction: mechanisms and separation of isomers using IMS-MS. <i>Chemical Science</i> , 2019, 10, 4822-4827.   | 7.4  | 58        |
| 14 | Iron-Catalyzed Arene Alkylation Reactions with Unactivated Secondary Alcohols. <i>Organic Letters</i> , 2014, 16, 2026-2029.   | 4.6  | 53        |
| 15 | Stereoinversion of Unactivated Alcohols by Tethered Sulfonamides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1727-1731.  | 13.8 | 44        |
| 16 | 1,2-(Bis)trifluoromethylation of Alkynes: A One-Step Reaction to Install an Underutilized Functional Group. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11704-11708.  | 13.8 | 41        |
| 17 | Alcohols as electrophiles: iron-catalyzed Ritter reaction and alcohol addition to alkynes. <i>Tetrahedron</i> , 2014, 70, 4204-4207.   | 1.9  | 38        |
| 18 | N-Directed fluorination of unactivated Csp <sup>3</sup> -H bonds. <i>Chemical Science</i> , 2020, 11, 1102-1106.   | 7.4  | 37        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | A Simple, Nontoxic Iron System for the Allylation of Zinc Enolates. <i>Organic Letters</i> , 2011, 13, 1904-1907.  | 4.6  | 36        |
| 20 | Cu-Catalyzed C-H Coupling with Sterically Hindered Partners. <i>ACS Catalysis</i> , 2020, 10, 10495-10499.   | 11.2 | 31        |
| 21 | Re-Evaluating the Nucleophilicity of Zinc Enolates in Alkylation Reactions. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1712-1715.                                    | 2.4  | 25        |
| 22 | Csp <sup>3</sup> -H Trifluoromethylation of Unactivated Aliphatic Systems. <i>Organic Letters</i> , 2021, 23, 702-705.   | 4.6  | 24        |
| 23 | Iron-Catalyzed C-N Bond Formation via the Beckmann Rearrangement. <i>Synlett</i> , 2015, 26, 331-334.  | 1.8  | 23        |
| 24 | Evaluation of <i>p</i> -( <sup>13</sup> C, <sup>15</sup> N-Cyano)phenylalanine as an Extended Time Scale 2D IR Probe of Proteins. <i>Analytical Chemistry</i> , 2017, 89, 5254-5260. | 6.5  | 23        |
| 25 | Iron-Catalyzed Hydroamination and Hydroetherification of Unactivated Alkenes. <i>Organic Letters</i> , 2019, 21, 1547-1550.  | 4.6  | 23        |
| 26 | Interrupting the Barton-McCombie Reaction: Aqueous Deoxygenative Trifluoromethylation of <i>O</i> -Alkyl Thiocarbonates. <i>Organic Letters</i> , 2021, 23, 808-813.                 | 4.6  | 20        |
| 27 | Artemisinin: A Case Study in the Evolution of Synthetic Strategy. <i>Synlett</i> , 2014, 25, 751-759.  | 1.8  | 19        |
| 28 | Fenton-Inspired C-H Functionalization: Peroxide-Directed C-H Thioetherification. <i>Journal of Organic Chemistry</i> , 2019, 84, 13073-13091.  | 3.2  | 16        |
| 29 | Stereoinversion of Unactivated Alcohols by Tethered Sulfonamides. <i>Angewandte Chemie</i> , 2019, 131, 1741-1745.   | 2.0  | 11        |
| 30 | Directed Ni-Catalyzed Reductive Arylation of Aliphatic C-H Bonds. <i>Organic Letters</i> , 2022, 24, 3313-3318.  | 4.6  | 8         |
| 31 | Synthesis of Tetrahydroisoquinolines Through an Iron-Catalyzed Cascade: Tandem Alcohol Substitution and Hydroamination. <i>Organic Letters</i> , 2019, 21, 6741-6744.                | 4.6  | 7         |
| 32 | 1,2-(Bis)trifluoromethylation of Alkynes: A One-Step Reaction to Install an Underutilized Functional Group. <i>Angewandte Chemie</i> , 2019, 131, 11830-11834.                       | 2.0  | 7         |
| 33 | Palladium nanoparticles: Chemoselective control for reductive Heck with aryl triflates and 2,3-dihydrofuran. <i>Tetrahedron</i> , 2018, 74, 3314-3317.                               | 1.9  | 6         |