

# Steven R Wisniewski

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/495425/publications.pdf>

Version: 2024-02-01

40  
papers

1,490  
citations

331670

21  
h-index

315739

38  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1299  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Ligand-Promoted <i>meta</i> -C-H Arylation of Anilines, Phenols, and Heterocycles. <i>Journal of the American Chemical Society</i> , 2016, 138, 9269-9276.  | 13.7 | 216       |
| 2  | Nickel-Catalyzed 1,2-Diarylation of Simple Alkenyl Amides. <i>Journal of the American Chemical Society</i> , 2018, 140, 17878-17883.  | 13.7 | 161       |
| 3  | Overcoming the Limitations of <i>ortho</i> - and <i>para</i> -C-H Arylation of Amines through Ligand Development. <i>Journal of the American Chemical Society</i> , 2018, 140, 17884-17894.   | 13.7 | 156       |
| 4  | A Convergent, Modular Approach to Functionalized 2,1-Borazaronaphthalenes from 2-Aminostyrenes and Potassium Organotrifluoroborates. <i>Journal of Organic Chemistry</i> , 2014, 79, 365-378.   | 3.2  | 83        |
| 5  | Ni(COD)(DQ): An Air-Stable 18-Electron Nickel(0)-Olefin Precatalyst. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7409-7413.  | 13.8 | 82        |
| 6  | Nickel-Catalyzed 1,2-Diarylation of Alkenyl Carboxylates: A Gateway to 1,2,3-Trifunctionalized Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1201-1205.   | 13.8 | 69        |
| 7  | Reductive Cross-Coupling of 3-Bromo-2,1-borazaronaphthalenes with Alkyl Iodides. <i>Organic Letters</i> , 2014, 16, 3692-3695.  | 4.6  | 58        |
| 8  | Accessing Molecularly Complex Azaborines: Palladium-Catalyzed Suzuki-Miyaura Cross-Couplings of Brominated 2,1-Borazaronaphthalenes and Potassium Organotrifluoroborates. <i>Journal of Organic Chemistry</i> , 2014, 79, 6663-6678.  | 3.2  | 58        |
| 9  | Adventures in Atropisomerism: Total Synthesis of a Complex Active Pharmaceutical Ingredient with Two Chirality Axes. <i>Organic Letters</i> , 2018, 20, 3736-3740.  | 4.6  | 45        |
| 10 | Palladium-Catalyzed Amidation and Amination of (Hetero)aryl Chlorides under Homogeneous Conditions Enabled by a Soluble DBU/NaTFA Dual-Base System. <i>Organic Process Research and Development</i> , 2019, 23, 1529-1537.  | 2.7  | 39        |
| 11 | Ligand-Enabled Pd(II)-Catalyzed C(sp <sup>3</sup> )-C-H Lactonization Using Molecular Oxygen as Oxidant. <i>Organic Letters</i> , 2020, 22, 3960-3963.  | 4.6  | 38        |
| 12 | Synthesis and Suzuki-Miyaura Cross-Coupling of Enantioenriched Secondary Potassium <i>ortho</i> -trifluoroboratoamides: Catalytic, Asymmetric Conjugate Addition of Bisboronic Acid and Tetrakis(dimethylamino)diboron to $\alpha,\beta$ -Unsaturated Carbonyl Compounds. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3037-3057. | 4.3  | 36        |
| 13 | Accessing an Azaborine Building Block: Synthesis and Substitution Reactions of 2-Chloromethyl-2,1-borazaronaphthalene. <i>Organic Letters</i> , 2014, 16, 5636-5639.  | 4.6  | 31        |
| 14 | A Process Chemistry Benchmark for sp <sup>2</sup> -sp <sup>3</sup> Cross Couplings. <i>Journal of Organic Chemistry</i> , 2021, 86, 10380-10396.  | 3.2  | 30        |
| 15 | Improving Robustness: In Situ Generation of a Pd(0) Catalyst for the Cyanation of Aryl Bromides. <i>Journal of Organic Chemistry</i> , 2017, 82, 7040-7044.   | 3.2  | 26        |
| 16 | Advances in Base-Metal Catalysis: Development of a Screening Platform for Nickel-Catalyzed Borylations of Aryl (Pseudo)halides with B <sub>2</sub> (OH) <sub>4</sub> . <i>Organometallics</i> , 2019, 38, 157-166.  | 2.3  | 24        |
| 17 | Ni-Catalyzed 1,2-Diarylation of Alkenyl Ketones: A Comparative Study of Carbonyl-Directed Reaction Systems. <i>Organic Letters</i> , 2021, 23, 5311-5316.   | 4.6  | 24        |
| 18 | Utilizing Native Directing Groups: Synthesis of a Selective <i>ortho</i> -Inhibitor, BMS-919373, via a Regioselective C-H Arylation. <i>Journal of Organic Chemistry</i> , 2019, 84, 4704-4714.   | 3.2  | 23        |

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|----|--|------|-----------|
| 19 | Pd- and Ni-Based Systems for the Catalytic Borylation of Aryl (Pseudo)halides with B <sub>2</sub> (OH) <sub>4</sub> . <i>Journal of Organic Chemistry</i> , 2020, 85, 10334-10349.   | 3.2  | 23        |
| 20 | Cobalt-Catalyzed C(sp <sup>2</sup> )â€C(sp <sup>3</sup> ) Suzukiâ€Miyaura Cross Coupling. <i>Organic Letters</i> , 2021, 23, 625-630.  | 4.6  | 23        |
| 21 | Accessing 2-(Hetero)arylmethyl-, -allyl-, and -propargyl-2,1-borazaronaphthalenes: Palladium-Catalyzed Cross-Couplings of 2-(Chloromethyl)-2,1-borazaronaphthalenes. <i>Organic Letters</i> , 2014, 16, 6024-6027.   | 4.6  | 22        |
| 22 | Accessing 2,1-Borazaronaphthols: Self-Arylation of 1-Alkyl-2-aryl-3-bromo-2,1-borazaronaphthalenes. <i>Journal of Organic Chemistry</i> , 2014, 79, 8339-8347.   | 3.2  | 22        |
| 23 | Selectivity in the Elaboration of Bicyclic Borazarenes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2256-2273.  | 4.3  | 22        |
| 24 | Suzukiâ€Miyaura Cross-Coupling of Brominated 2,1-Borazaronaphthalenes with Potassium Alkenyltrifluoroborates. <i>Journal of Organic Chemistry</i> , 2014, 79, 11199-11204.   | 3.2  | 21        |
| 25 | Nickelâ€Catalyzed 1,2-Diarylation of Alkenyl Carboxylates: A Gateway to 1,2,3-Trifunctionalized Building Blocks. <i>Angewandte Chemie</i> , 2020, 132, 1217-1221.  | 2.0  | 19        |
| 26 | Cobalt-Catalyzed C(sp <sup>2</sup> )â€C(sp <sup>3</sup> ) Suzukiâ€Miyaura Cross-Coupling Enabled by Well-Defined Precatalysts with L,X-Type Ligands. <i>ACS Catalysis</i> , 2022, 12, 1905-1918.   | 11.2 | 16        |
| 27 | Diboron-Promoted Reduction of Ni(II) Salts: Precatalyst Activation Studies Relevant to Ni-Catalyzed Borylation Reactions. <i>Organometallics</i> , 2021, 40, 2691-2700.  | 2.3  | 15        |
| 28 | Photoredox Catalysis Enables Access to N-Functionalized 2,1-Borazaronaphthalenes. <i>Organic Letters</i> , 2019, 21, 2880-2884.  | 4.6  | 14        |
| 29 | Ni(COD)(DQ): An Airâ€Stable 18â€Electron Nickel(0)â€Olefin Precatalyst. <i>Angewandte Chemie</i> , 2020, 132, 7479-7483.   | 2.0  | 14        |
| 30 | Advancing Base-Metal Catalysis: Development of a Screening Method for Nickel-Catalyzed Suzukiâ€Miyaura Reactions of Pharmaceutically Relevant Heterocycles. <i>Organic Process Research and Development</i> , 2022, 26, 785-794.                             | 2.7  | 13        |
| 31 | Ni(COD)(DMFU): A Heteroleptic 16-Electron Precatalyst for 1,2-Diarylation of Alkenes. <i>Synlett</i> , 2021, 32, 1570-1574.  | 1.8  | 11        |
| 32 | Adventures in Atropisomerism: Development of a Robust, Diastereoselective, Lithium-Catalyzed Atropisomer-Forming Active Pharmaceutical Ingredient Step. <i>Organic Process Research and Development</i> , 2018, 22, 1426-1431.                               | 2.7  | 9         |
| 33 | Utilizing Native Directing Groups: Mechanistic Understanding of a Direct Arylation Leads to Formation of Tetracyclic Heterocycles via Tandem Intermolecular, Intramolecular Câ€H Activation. <i>Journal of Organic Chemistry</i> , 2019, 84, 7961-7970.      | 3.2  | 9         |
| 34 | Nickel-Catalyzed Suzukiâ€Miyaura Cross-Coupling Facilitated by a Weak Amine Base with Water as a Cosolvent. <i>Organometallics</i> , 2022, 41, 1269-1274.  | 2.3  | 9         |
| 35 | Advancing Base Metal Catalysis through Data Science: Insight and Predictive Models for Ni-Catalyzed Borylation through Supervised Machine Learning. <i>Organometallics</i> , 2022, 41, 1847-1864.  | 2.3  | 7         |
| 36 | Systematic Optimization of a Robust Telescoped Process for a BTK Inhibitor with Atropisomer Control by High-Throughput Experimentation, Design of Experiments, and Linear Regression. <i>Organic Process Research and Development</i> , 2019, 23, 1143-1151. | 2.7  | 6         |

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|----|--|------|-----------|
| 37 | An Under-Appreciated Source of Reproducibility Issues in Cross-Coupling: Solid-State Decomposition of Primary Sodium Alkoxides in Air. ACS Catalysis, 2021, 11, 502-508.                                   | 11.2 | 6         |
| 38 | Development and Implementation of a Quality Control Strategy for an Atropisomer Impurity Grounded in a Risk-Based Probabilistic Design Space. Organic Process Research and Development, 2019, 23, 211-219. | 2.7  | 5         |
| 39 | Development of a telescoped synthesis of 4-(1 <i>H</i> )-cyanoimidazole core accelerated by orthogonal reaction monitoring. Reaction Chemistry and Engineering, 2020, 5, 1421-1428.                        | 3.7  | 2         |
| 40 | Scalability and Predictability of Polymorph Transformations Under High Shear. Organic Process Research and Development, 2021, 25, 1028-1035.   | 2.7  | 2         |