# Peng Liu

List of Publications by Year
in descending order

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| 207 | 13,694 | 13827 67 | 27345 106 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 226 | 226 | 226 | 10000 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mechanismâ€Based Approach to Reagent Selection for Oxidative Carbonâ^'Hydrogen Bond Cleavage Reactions. Chemistry - A European Journal, 2022, 28, . | 1.7 | 5 |
| 2 | Rh(I)-Catalyzed Allenic Pausonâ€“Khand Reaction to Access the Thapsigargin Core: Influence of Furan and Allenyl Chloroacetate Groups on Enantioselectivity. Organic Letters, 2022, 24, 995-999. | 2.4 | 1 |
| 3 | Origins of Catalyst-Controlled Selectivity in Ag-Catalyzed Regiodivergent Câ€“H Amination. Journal of the American Chemical Society, 2022, 144, 2735-2746. | 6.6 | 14 |
| 4 | Excited-State Palladium-Catalyzed Radical Migratory Mizorokiâ€“Heck Reaction Enables C2-Alkenylation of Carbohydrates. Journal of the American Chemical Society, 2022, 144, 3353-3359. | 6.6 | 41 |
| 5 | Noncovalent Interaction- and Steric Effect-Controlled Regiodivergent Selectivity in Dimeric Manganese-Catalyzed Hydroarylation of Internal Alkynes: A Computational Study. Journal of Organic Chemistry, 2022, 87, 4215-4225. | 1.7 | 4 |
| 6 | Confronting the Challenging Asymmetric Carbonyl 1,2-Addition Using Vinyl Heteroarene Pronucleophiles: Ligand-Controlled Regiodivergent Processes through a Dearomatized Allylâ€“Cu Species. Journal of the American Chemical Society, 2022, 144, 5985-5995. | 6.6 | 32 |
| 7 | Kinetic, ESIâ€“CIDâ€“MS, and Computational Studies of Ï€-AllyliridiumC,O-Benzoate-Catalyzed Allylic Amination: Understanding the Effect of Cesium Ion. ACS Catalysis, 2022, 12, 3660-3668. | 5.5 | 6 |
| 8 | Pd<sup>II</sup>â€Catalyzed C(alkenyl)â^'H Activation Facilitated by a Transient Directing Group**. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 24 |
| 9 | C2-ketonylation of carbohydrates via excited-state palladium-catalyzed 1,2-spin-center shift. Chemical Science, 2022, 13, 6276-6282. | 3.7 | 20 |
| 10 | Câ€“N Bond Forming Radical Rebound Is the Enantioselectivity-Determining Step in P411-Catalyzed Enantioselective C(sp<sup>3</sup>)â€“H Amination: A Combined Computational and Experimental Investigation. Journal of the American Chemical Society, 2022, 144, 11215-11225. | 6.6 | 15 |
| 11 | Synthesis of (+)-ribostamycin by catalytic, enantioselective hydroamination of benzene. , 2022, 1, 542-547. | | 12 |
| 12 | Low-valent tungsten redox catalysis enables controlled isomerization and carbonylative functionalization of alkenes. Nature Chemistry, 2022, 14, 632-639. | 6.6 | 16 |
| 13 | Chiral Amines via Enantioselective Ï€-Allyliridium-C,O-Benzoate-Catalyzed Allylic Alkylation: Student Training via Industrialâ€“Academic Collaboration. Accounts of Chemical Research, 2022, 55, 2138-2147. | 7.6 | 26 |
| 14 | Engineered P450 Atom-Transfer Radical Cyclases are Bifunctional Biocatalysts: Reaction Mechanism and Origin of Enantioselectivity. Journal of the American Chemical Society, 2022, 144, 13344-13355. | 6.6 | 12 |
| 15 | Organophosphorus-catalyzed relay oxidation of H-Bpin: electrophilic Câ€“H borylation of heteroarenes. Chemical Science, 2021, 12, 1031-1037. | 3.7 | 19 |
| 16 | Mechanism and Origins of Enantioselectivity in the Rh(I)-Catalyzed Pausonâ€“Khand Reaction: Comparison of Bidentate and Monodentate Chiral Ligands. ACS Catalysis, 2021, 11, 323-336. | 5.5 | 15 |
| 17 | Ab Initio Molecular Dynamics Simulations of the S<sub>N</sub>1/S<sub>N</sub>2 Mechanistic Continuum in Glycosylation Reactions. Journal of the American Chemical Society, 2021, 143, 1577-1589. | 6.6 | 41 |
| 18 | One-electron reduction induced spin transition in Fe(<scp>ii</scp>) spin crossover molecules and the effect of the ligand. Journal of Materials Chemistry C, 2021, 9, 4808-4814. | 2.7 | 1 |

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| 19 | Ligand Conformational Flexibility Enables Enantioselective Tertiary Câ€“B Bond Formation in the Phosphonate-Directed Catalytic Asymmetric Alkene Hydroboration. Journal of the American Chemical Society, 2021, 143, 4801-4808. | 6.6 | 30 |
| 20 | [2Ï€ + 2Ï€] Photocycloaddition of Enones to Single-Walled Carbon Nanotubes Creates Fluorescent Quantum Defects. ACS Nano, 2021, 15, 4833-4844. | 7.3 | 13 |
| 21 | Stereoselective Palladium-Catalyzed Base-Free Suzukiâ€“Miyaura Cross-Coupling of Tetrasubstituted gem-Difluoroalkenes: An Experimental and Computational Study. ACS Catalysis, 2021, 11, 4799-4809. | 5.5 | 52 |
| 22 | Boron insertion into alkyl ether bonds via zinc/nickel tandem catalysis. Science, 2021, 372, 175-182. | 6.0 | 72 |
| 23 | Energy Decomposition Analysis Reveals the Nature of Lone Pairâˆ’Ï€ Interactions with Cationic Ï€ Systems in Catalytic Acyl Transfer Reactions. Organic Letters, 2021, 23, 4411-4414. | 2.4 | 12 |
| 24 | Ruthenabenzene: A Robust Precatalyst. Journal of the American Chemical Society, 2021, 143, 7490-7500. | 6.6 | 30 |
| 25 | Nickel-Catalyzed Radical Migratory Coupling Enables C-2 Arylation of Carbohydrates. Journal of the American Chemical Society, 2021, 143, 8590-8596. | 6.6 | 36 |
| 26 | Enantioselective Iridium-Catalyzed Allylation of Nitroalkanes: Entry to Î²-Stereogenic Î±-Quaternary Primary Amines. Journal of the American Chemical Society, 2021, 143, 9343-9349. | 6.6 | 18 |
| 27 | A â€œTracelessâ€•Directing Group Enables Catalytic S<sub>N</sub>2 Glycosylation toward 1,2-cis-Glycopyranosides. Journal of the American Chemical Society, 2021, 143, 11908-11913. | 6.6 | 36 |
| 28 | Tandem Iridium Catalysis as a General Strategy for Atroposelective Construction of Axially Chiral Styrenes. Journal of the American Chemical Society, 2021, 143, 10686-10694. | 6.6 | 71 |
| 29 | Development and Mechanistic Studies of the Iridiumâ€Catalyzed Câˆ’H Alkenylation of Enamides with Vinyl Acetates: A Versatile Approach for Ketone Functionalization. Angewandte Chemie, 2021, 133, 21094-21102. | 1.6 | 2 |
| 30 | Development and Mechanistic Studies of the Iridiumâ€Catalyzed Câˆ’H Alkenylation of Enamides with Vinyl Acetates: A Versatile Approach for Ketone Functionalization. Angewandte Chemie - International Edition, 2021, 60, 20926-20934. | 7.2 | 12 |
| 31 | Generation of Axially Chiral Fluoroallenes through a Copper-Catalyzed Enantioselective Î²-Fluoride Elimination. Journal of the American Chemical Society, 2021, 143, 13759-13768. | 6.6 | 40 |
| 32 | Monovalent Nickel-Mediated Radical Formation: A Concerted Halogen-Atom Dissociation Pathway Determined by Electroanalytical Studies. Journal of the American Chemical Society, 2021, 143, 14196-14206. | 6.6 | 64 |
| 33 | Thiol Reactivity of N-Aryl Î±-Methylene-Î³-lactams: A Reactive Group for Targeted Covalent Inhibitor Design. Journal of Organic Chemistry, 2021, 86, 11926-11936. | 1.7 | 6 |
| 34 | Nickel-Catalyzed Dearomative Arylboration of Indoles: Regioselective Synthesis of C2- and C3-Borylated Indolines. Journal of the American Chemical Society, 2021, 143, 16502-16511. | 6.6 | 38 |
| 35 | P-stereogenic N-vinylphosphonamides enabled by asymmetric allylic substitution-isomerization. Cell Reports Physical Science, 2021, 2, 100594. | 2.8 | 14 |
| 36 | Stereodivergent atom-transfer radical cyclization by engineered cytochromes P450. Science, 2021, 374, 1612-1616. | 6.0 | 73 |

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| 37 | The Thermal Rearrangement of an NHCâ€Ligated 3â€Benzoborepin to an NHCâ€Boranorcaradiene. Angewandte Chemie - International Edition, 2020, 59, 903-909. | 7.2 | 18 |
| 38 | Asymmetric Synthesis of Î²-Lactam via Palladium-Catalyzed Enantioselective Intramolecular C(sp<sup>3</sup>)â€“H Amidation. ACS Catalysis, 2020, 10, 114-120. | 5.5 | 83 |
| 39 | The Thermal Rearrangement of an NHCâ€Ligated 3â€Benzoborepin to an NHCâ€Boranorcaradiene. Angewandte Chemie, 2020, 132, 913-919. | 1.6 | 8 |
| 40 | Cascade CuH-catalysed conversion of alkynes into enantioenriched 1,1-disubstituted products. Nature Catalysis, 2020, 3, 23-29. | 16.1 | 64 |
| 41 | Diastereo- and Enantioselective CuH-Catalyzed Hydroamination of Strained Trisubstituted Alkenes. ACS Catalysis, 2020, 10, 282-291. | 5.5 | 43 |
| 42 | Compatibility Score for Rational Electrophile Selection in Pd/NBE Cooperative Catalysis. CheM, 2020, 6, 2810-2825. | 5.8 | 22 |
| 43 | Multifaceted Substrateâ€“Ligand Interactions Promote the Copper-Catalyzed Hydroboration of Benzylidenecyclobutanes and Related Compounds. ACS Catalysis, 2020, 10, 13075-13083. | 5.5 | 19 |
| 44 | Controlling cyclization pathways in palladium(<scp>ii</scp>)-catalyzed intramolecular alkene hydro-functionalization via substrate directivity. Chemical Science, 2020, 11, 11307-11314. | 3.7 | 19 |
| 45 | Application of Trimethylgermanyl-Substituted Bisphosphine Ligands with Enhanced Dispersion Interactions to Copper-Catalyzed Hydroboration of Disubstituted Alkenes. Journal of the American Chemical Society, 2020, 142, 18213-18222. | 6.6 | 73 |
| 46 | Redoxâ€Neutral TEMPO Catalysis: Direct Radical (Hetero)Aryl Câ€“H Diâ€•and Trifluoromethoxylation. Angewandte Chemie, 2020, 132, 21659-21664. | 1.6 | 19 |
| 47 | The 3Dmol.js Learning Environment: A Classroom Response System for 3D Chemical Structures. Journal of Chemical Education, 2020, 97, 3872-3876. | 1.1 | 6 |
| 48 | Ligandâ€Controlled Regiodivergence in Nickelâ€Catalyzed Hydroarylation and Hydroalkenylation of Alkenyl Carboxylic Acids**. Angewandte Chemie - International Edition, 2020, 59, 23306-23312. | 7.2 | 51 |
| 49 | Asymmetric allylic substitutionâ€“isomerization to axially chiral enamides via hydrogen-bonding assisted central-to-axial chirality transfer. Chemical Science, 2020, 11, 10119-10126. | 3.7 | 57 |
| 50 | Redoxâ€Neutral TEMPO Catalysis: Direct Radical (Hetero)Aryl Câ€“H Diâ€•and Trifluoromethoxylation. Angewandte Chemie - International Edition, 2020, 59, 21475-21480. | 7.2 | 35 |
| 51 | Anti-selective [3+2] (Hetero)annulation of non-conjugated alkenes via directed nucleopalladation. Nature Communications, 2020, 11, 6432. | 5.8 | 40 |
| 52 | Ligandâ€Controlled Regiodivergence in Nickelâ€Catalyzed Hydroarylation and Hydroalkenylation of Alkenyl Carboxylic Acids**. Angewandte Chemie, 2020, 132, 23506-23512. | 1.6 | 6 |
| 53 | Metal-Free Câ€“C Coupling of an Allenyl Sulfone with Picolyl Amides to Access Vinyl Sulfones via Pyridine-Initiated In Situ Generation of Sulfinate Anion. Journal of Organic Chemistry, 2020, 85, 7959-7975. | 1.7 | 7 |
| 54 | Synthesis of Pyrroles through the CuH-Catalyzed Coupling of Enynes and Nitriles. Journal of the American Chemical Society, 2020, 142, 9908-9914. | 6.6 | 52 |

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| 55 | Highly Enantioselective Synthesis of Indazoles with a C3-Quaternary Chiral Center Using CuH Catalysis. Journal of the American Chemical Society, 2020, 142, 10550-10556. | 6.6 | 38 |
| 56 | Density Functional Theory Study on the Mechanism of Iridium-Catalyzed Benzylamine ortho Câ€“H Alkenylation with Ethyl Acrylate. ACS Omega, 2020, 5, 15446-15453. | 1.6 | 4 |
| 57 | Regioselective, Photocatalytic Î±-Functionalization of Amines. Journal of the American Chemical Society, 2020, 142, 11972-11977. | 6.6 | 54 |
| 58 | A Transientâ€Directingâ€Group Strategy Enables Enantioselective Reductive Heck Hydroarylation of Alkenes. Angewandte Chemie - International Edition, 2020, 59, 8885-8890. | 7.2 | 53 |
| 59 | Î²â€Mannosylation through Oâ€Alkylation of Anomeric Cesium Alkoxides: Mechanistic Studies and Synthesis of the Hexasaccharide Core of Complex Fucosylated Nâ€Linked Glycans. European Journal of Organic Chemistry, 2020, 2020, 2291-2301. | 1.2 | 13 |
| 60 | A Transientâ€Directingâ€Group Strategy Enables Enantioselective Reductive Heck Hydroarylation of Alkenes. Angewandte Chemie, 2020, 132, 8970-8975. | 1.6 | 13 |
| 61 | Concerted [4 + 2] and Stepwise (2 + 2) Cycloadditions of Tetrafluoroethylene with Butadiene: DFT and DLPNO-UCCSD(T) Explorations. Journal of Organic Chemistry, 2020, 85, 3858-3864. | 1.7 | 15 |
| 62 | Computational Investigations of the Effects of N-Heterocyclic Carbene Ligands on the Mechanism, Reactivity, and Regioselectivity of Rh-Catalyzed Hydroborations. ACS Catalysis, 2020, 10, 3820-3827. | 5.5 | 16 |
| 63 | Entry to 1,2,3,4-Tetrasubstituted Arenes through Addressing the â€œMeta Constraintâ€in the Palladium/Norbornene Catalysis. Journal of the American Chemical Society, 2020, 142, 3050-3059. | 6.6 | 44 |
| 64 | Integrating Allyl Electrophiles into Nickelâ€Catalyzed Conjunctive Crossâ€Coupling. Angewandte Chemie - International Edition, 2020, 59, 7029-7034. | 7.2 | 39 |
| 65 | Integrating Allyl Electrophiles into Nickelâ€Catalyzed Conjunctive Crossâ€Coupling. Angewandte Chemie, 2020, 132, 7095-7100. | 1.6 | 4 |
| 66 | 2-Sulfonylpyridines as Tunable, Cysteine-Reactive Electrophiles. Journal of the American Chemical Society, 2020, 142, 8972-8979. | 6.6 | 64 |
| 67 | Redox-switchable olefin cross metathesis (CM) reactions and acyclic diene metathesis (ADMET) polymerizations. Materials Chemistry Frontiers, 2019, 3, 2083-2089. | 3.2 | 3 |
| 68 | Tuning the Reactivity of Cyclopropenes from Living Ringâ€Opening Metathesis Polymerization (ROMP) to Singleâ€Addition and Alternating ROMP. Angewandte Chemie - International Edition, 2019, 58, 17771-17776. | 7.2 | 22 |
| 69 | An enzymatic platform for the asymmetric amination of primary, secondary and tertiary C(sp3)â€“H bonds. Nature Chemistry, 2019, 11, 987-993. | 6.6 | 146 |
| 70 | Tuning the Reactivity of Cyclopropenes from Living Ringâ€Opening Metathesis Polymerization (ROMP) to Singleâ€Addition and Alternating ROMP. Angewandte Chemie, 2019, 131, 17935-17940. | 1.6 | 3 |
| 71 | Ruthenium-Catalyzed Reductive Cleavage of Unstrained Arylâ€“Aryl Bonds: Reaction Development and Mechanistic Study. Journal of the American Chemical Society, 2019, 141, 18630-18640. | 6.6 | 27 |
| 72 | Mechanism and stereospecificity of Z-enamide synthesis from salicylaldehydes with isoxazoles using DFT calculations. Journal of Organometallic Chemistry, 2019, 903, 120981. | 0.8 | 0 |

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| 73 | Kinetics and Inverse Temperature Dependence of a Tsujiâ€“Trost Reaction in Aqueous Buffer. ACS Catalysis, 2019, 9, 11720-11733. | 5.5 | 14 |
| 74 | Cu-Catalyzed Hydroboration of Benzylidenecyclopropanes: Reaction Optimization, (Hetero)Aryl Scope, and Origins of Pathway Selectivity. ACS Catalysis, 2019, 9, 11130-11136. | 5.5 | 23 |
| 75 | Inversion of Enantioselectivity in Allene Gas versus Allyl Acetate Reductive Aldehyde Allylation Guided by Metal-Centered Stereogenicity: An Experimental and Computational Study. ACS Catalysis, 2019, 9, 9158-9163. | 5.5 | 39 |
| 76 | Kinetic Resolution via Rh-Catalyzed Câ€“C Activation of Cyclobutanones at Room Temperature. Journal of the American Chemical Society, 2019, 141, 16260-16265. | 6.6 | 67 |
| 77 | Branchedâ€Selective Direct Î±â€Alkylation of Cyclic Ketones with Simple Alkenes. Angewandte Chemie - International Edition, 2019, 58, 4366-4370. | 7.2 | 53 |
| 78 | Energy Decomposition Analyses Reveal the Origins of Catalyst and Nucleophile Effects on Regioselectivity in Nucleopalladation of Alkenes. Journal of the American Chemical Society, 2019, 141, 11892-11904. | 6.6 | 61 |
| 79 | Ni-Catalyzed Arylboration of Unactivated Alkenes: Scope and Mechanistic Studies. Journal of the American Chemical Society, 2019, 141, 9391-9400. | 6.6 | 78 |
| 80 | S â€Adamantyl Group Directed Siteâ€Selective Acylation: Applications in Streamlined Assembly of Oligosaccharides. Angewandte Chemie, 2019, 131, 9642-9646. | 1.6 | 2 |
| 81 | Sâ€Adamantyl Group Directed Siteâ€Selective Acylation: Applications in Streamlined Assembly of Oligosaccharides. Angewandte Chemie - International Edition, 2019, 58, 9542-9546. | 7.2 | 20 |
| 82 | Î²â€Selective Aroylation of Activated Alkenes by Photoredox Catalysis. Angewandte Chemie, 2019, 131, 7396-7401. | 1.6 | 7 |
| 83 | Î²â€Selective Aroylation of Activated Alkenes by Photoredox Catalysis. Angewandte Chemie - International Edition, 2019, 58, 7318-7323. | 7.2 | 47 |
| 84 | Computational Study of the Ni-Catalyzed Câ€“H Oxidative Cycloaddition of Aromatic Amides with Alkynes. ACS Omega, 2019, 4, 5209-5220. | 1.6 | 18 |
| 85 | Deacylative transformations of ketones via aromatization-promoted Câ€“C bond activation. Nature, 2019, 567, 373-378. | 13.7 | 135 |
| 86 | Mechanistically Guided Predictive Models for Ligand and Initiator Effects in Copper-Catalyzed Atom Transfer Radical Polymerization (Cu-ATRP). Journal of the American Chemical Society, 2019, 141, 7486-7497. | 6.6 | 95 |
| 87 | Catalytic, Enantioselective Î±â€Alkylation of Azlactones with Nonconjugated Alkenes by Directed Nucleopalladation. Angewandte Chemie - International Edition, 2019, 58, 3923-3927. | 7.2 | 63 |
| 88 | Catalytic, Enantioselective Î±â€Alkylation of Azlactones with Nonconjugated Alkenes by Directed Nucleopalladation. Angewandte Chemie, 2019, 131, 3963-3967. | 1.6 | 29 |
| 89 | Branchedâ€Selective Direct Î±â€Alkylation of Cyclic Ketones with Simple Alkenes. Angewandte Chemie, 2019, 131, 4410-4414. | 1.6 | 14 |
| 90 | Catalytic radical difluoromethoxylation of arenes and heteroarenes. Chemical Science, 2019, 10, 3217-3222. | 3.7 | 43 |

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| 91 | CuH-Catalyzed Enantioselective Ketone Allylation with 1,3-Dienes: Scope, Mechanism, and Applications. Journal of the American Chemical Society, 2019, 141, 5062-5070. | 6.6 | 151 |
| 92 | Site-Selective and Stereoselective O-Alkylation of Glycosides by Rh(II)-Catalyzed Carbenoid Insertion. Journal of the American Chemical Society, 2019, 141, 19902-19910. | 6.6 | 36 |
| 93 | Intermolecular Regioâ€•and Stereoselective Heteroâ€[5+2] Cycloaddition of Oxidopyrylium Ylides and Cyclic Imines. Angewandte Chemie - International Edition, 2019, 58, 887-891. | 7.2 | 25 |
| 94 | A Short Synthesis of Delavatine A Unveils New Insights into Site-Selective Cross-Coupling of 3,5-Dibromo-2-pyrone. Journal of the American Chemical Society, 2019, 141, 2652-2660. | 6.6 | 26 |
| 95 | Intermolecular Regioâ€•and Stereoselective Heteroâ€[5+2] Cycloaddition of Oxidopyrylium Ylides and Cyclic Imines. Angewandte Chemie, 2019, 131, 897-901. | 1.6 | 1 |
| 96 | Sequence-Controlled Polymers Through Entropy-Driven Ring-Opening Metathesis Polymerization: Theory, Molecular Weight Control, and Monomer Design. Journal of the American Chemical Society, 2019, 141, 5741-5752. | 6.6 | 75 |
| 97 | Catalytic Câ^'H Trifluoromethoxylation of Arenes and Heteroarenes. Angewandte Chemie, 2018, 130, 9793-9797. | 1.6 | 33 |
| 98 | Disentangling Ligand Effects on Metathesis Catalyst Activity: Experimental and Computational Studies of Rutheniumâ€"Aminophosphine Complexes. Journal of the American Chemical Society, 2018, 140, 5634-5643. | 6.6 | 19 |
| 99 | C(alkenyl)â€"H Activation via Six-Membered Palladacycles: Catalytic 1,3-Diene Synthesis. Journal of the American Chemical Society, 2018, 140, 5805-5813. | 6.6 | 134 |
| 100 | An Initiation Kinetics Prediction Model Enables Rational Design of Ruthenium Olefin Metathesis Catalysts Bearing Modified Chelating Benzylidenes. ACS Catalysis, 2018, 8, 4600-4611. | 5.5 | 27 |
| 101 | Traversing Steric Limitations by Cooperative Lewis Base/Palladium Catalysis: An Enantioselective Synthesis of Î±â€Branched Esters Using 2â€Substituted Allyl Electrophiles. Angewandte Chemie - International Edition, 2018, 57, 7800-7803. | 7.2 | 61 |
| 102 | A general strategy for synthesis of cyclophane-braced peptide macrocycles via palladium-catalysed intramolecular sp3 Câ^'H arylation. Nature Chemistry, 2018, 10, 540-548. | 6.6 | 180 |
| 103 | Sterically Shielded, Stabilized Nitrile Imine for Rapid Bioorthogonal Protein Labeling in Live Cells. Journal of the American Chemical Society, 2018, 140, 4860-4868. | 6.6 | 83 |
| 104 | Catalytic Câ^'H Trifluoromethoxylation of Arenes and Heteroarenes. Angewandte Chemie - International Edition, 2018, 57, 9645-9649. | 7.2 | 88 |
| 105 | Redoxâ€Active Reagents for Photocatalytic Generation of the OCF<sub>3</sub> Radical and (Hetero)Aryl Câ^'H Trifluoromethoxylation. Angewandte Chemie, 2018, 130, 13991-13995. | 1.6 | 29 |
| 106 | Mechanistically Guided Design of Ligands That Significantly Improve the Efficiency of CuH-Catalyzed Hydroamination Reactions. Journal of the American Chemical Society, 2018, 140, 13976-13984. | 6.6 | 101 |
| 107 | Redoxâ€Active Reagents for Photocatalytic Generation of the OCF<sub>3</sub> Radical and (Hetero)Aryl Câ^'H Trifluoromethoxylation. Angewandte Chemie - International Edition, 2018, 57, 13795-13799. | 7.2 | 85 |
| 108 | H-bonded reusable template assisted para-selective ketonisation using soft electrophilic vinyl ethers. Nature Communications, 2018, 9, 3582. | 5.8 | 62 |

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| 109 | Traversing Steric Limitations by Cooperative Lewis Base/Palladium Catalysis: An Enantioselective Synthesis of Î±â€Branched Esters Using 2â€Substituted Allyl Electrophiles. Angewandte Chemie, 2018, 130, 7926-7929. | 1.6 | 28 |
| 110 | Cis-Selective Metathesis to Enhance the Living Character of Ring-Opening Polymerization: An Approach to Sequenced Copolymers. ACS Macro Letters, 2018, 7, 858-862. | 2.3 | 25 |
| 111 | Complementary site-selectivity in arene functionalization enabled by overcoming the ortho constraint in palladium/norbornene catalysis. Nature Chemistry, 2018, 10, 866-872. | 6.6 | 122 |
| 112 | Issues Particular to Organometallic Reactions. , 2018, , 519-539. | | 0 |
| 113 | Epimerization of Tertiary Carbon Centers via Reversible Radical Cleavage of Unactivated C(sp<sup>3</sup>)â€“H Bonds. Journal of the American Chemical Society, 2018, 140, 9678-9684. | 6.6 | 49 |
| 114 | Mechanistic Insights into the ReIO<sub>2</sub>(PPh<sub>3</sub>)<sub>2</sub>-Promoted Reductive Coupling of Alcohols. Organometallics, 2018, 37, 2468-2480. | 1.1 | 12 |
| 115 | Modular ipso/ortho Difunctionalization of Aryl Bromides via Palladium/Norbornene Cooperative Catalysis. Journal of the American Chemical Society, 2018, 140, 8551-8562. | 6.6 | 91 |
| 116 | Synthesis of Boriranes by Double Hydroboration Reactions of N-Heterocyclic Carbene Boranes and Dimethyl Acetylenedicarboxylate. Journal of the American Chemical Society, 2017, 139, 1726-1729. | 6.6 | 49 |
| 117 | Using Ring Strain to Control 4Ï€-Electrocyclization Reactions: Torquoselectivity in Ring Closing of Medium-Ring Dienes and Ring Opening of Bicyclic Cyclobutenes. Journal of Organic Chemistry, 2017, 82, 4613-4624. | 1.7 | 18 |
| 118 | 1,3-Dipolar Cycloaddition Reactions of Low-Valent Rhodium and Iridium Complexes with Arylnitrile N-Oxides. Journal of Organic Chemistry, 2017, 82, 5096-5101. | 1.7 | 7 |
| 119 | NHC Ligands Tailored for Simultaneous Regio- and Enantiocontrol in Nickel-Catalyzed Reductive Couplings. Journal of the American Chemical Society, 2017, 139, 9317-9324. | 6.6 | 71 |
| 120 | Rhodiumâ€Catalyzed Enantioselective Radical Addition of CX<sub>4</sub> Reagents to Olefins. Angewandte Chemie - International Edition, 2017, 56, 8780-8784. | 7.2 | 73 |
| 121 | A redox-switchable ring-closing metathesis catalyst. Inorganic Chemistry Frontiers, 2017, 4, 1525-1532. | 3.0 | 18 |
| 122 | Catalytic Site-Selective Acylation of Carbohydrates Directed by Cationâ€“n Interaction. Journal of the American Chemical Society, 2017, 139, 4346-4349. | 6.6 | 75 |
| 123 | A Photoswitchable Olefin Metathesis Catalyst. Organometallics, 2017, 36, 490-497. | 1.1 | 69 |
| 124 | A Ringâ€Opening Metathesis Polymerization Catalyst That Exhibits Redoxâ€Switchable Monomer Selectivities. Chemistry - A European Journal, 2017, 23, 5994-6000. | 1.7 | 27 |
| 125 | Catalyst-Free and Redox-Neutral Innate Trifluoromethylation and Alkylation of Aromatics Enabled by Light. Journal of the American Chemical Society, 2017, 139, 14315-14321. | 6.6 | 153 |
| 126 | Tridentate Directing Groups Stabilize 6-Membered Palladacycles in Catalytic Alkene Hydrofunctionalization. Journal of the American Chemical Society, 2017, 139, 15576-15579. | 6.6 | 83 |

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| 127 | Experimental and Computational Exploration of paraâ€Selective Silylation with a Hydrogenâ€Bonded Template. Angewandte Chemie, 2017, 129, 15099-15103. | 1.6 | 22 |
| 128 | Computationally Guided Catalyst Design in the Type I Dynamic Kinetic Asymmetric Pausonâ€“Khand Reaction of Allenyl Acetates. Journal of the American Chemical Society, 2017, 139, 15022-15032. | 6.6 | 42 |
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