Peng Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

201	10,004	59	93
papers	citations	h-index	g-index
226	11,934	12. 8 avg, IF	6.77
ext. papers	ext. citations		L-index

#	Paper	IF	Citations
201	Journal of the American Chemical Society, 2022 ,	16.4	3
200	Excited-State Palladium-Catalyzed Radical Migratory Mizoroki-Heck Reaction Enables C2-Alkenylation of Carbohydrates <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	2
199	Confronting the Challenging Asymmetric Carbonyl 1,2-Addition Using Vinyl Heteroarene Pronucleophiles: Ligand-Controlled Regiodivergent Processes through a Dearomatized Allyl-Cu Species <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	3
198	Kinetic, ESICIDMS, and Computational Studies of EAllyliridium C,O-Benzoate-Catalyzed Allylic Amination: Understanding the Effect of Cesium Ion. <i>ACS Catalysis</i> , 2022 , 12, 3660-3668	13.1	O
197	Ligand Conformational Flexibility Enables Enantioselective Tertiary C-B Bond Formation in the Phosphonate-Directed Catalytic Asymmetric Alkene Hydroboration. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4801-4808	16.4	10
196	[2D+ 2DPhotocycloaddition of Enones to Single-Walled Carbon Nanotubes Creates Fluorescent Quantum Defects. <i>ACS Nano</i> , 2021 , 15, 4833-4844	16.7	4
195	Stereoselective Palladium-Catalyzed Base-Free SuzukiMiyaura Cross-Coupling of Tetrasubstituted gem-Difluoroalkenes: An Experimental and Computational Study. <i>ACS Catalysis</i> , 2021 , 11, 4799-4809	13.1	19
194	Boron insertion into alkyl ether bonds via zinc/nickel tandem catalysis. <i>Science</i> , 2021 , 372, 175-182	33.3	18
193	Energy Decomposition Analysis Reveals the Nature of Lone Pair-Interactions with Cationic Illustrations Systems in Catalytic Acyl Transfer Reactions. <i>Organic Letters</i> , 2021 , 23, 4411-4414	6.2	6
192	Ruthenabenzene: A Robust Precatalyst. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7490-7500	16.4	6
191	Nickel-Catalyzed Radical Migratory Coupling Enables C-2 Arylation of Carbohydrates. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8590-8596	16.4	9
190	Enantioselective Iridium-Catalyzed Allylation of Nitroalkanes: Entry to ⊞tereogenic ⊞Quaternary Primary Amines. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9343-9349	16.4	5
189	A "Traceless" Directing Group Enables Catalytic S2 Glycosylation toward 1,2Glycopyranosides. Journal of the American Chemical Society, 2021 , 143, 11908-11913	16.4	5
188	Tandem Iridium Catalysis as a General Strategy for Atroposelective Construction of Axially Chiral Styrenes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10686-10694	16.4	20
187	Mechanism and Origins of Enantioselectivity in the Rh(I)-Catalyzed PausonKhand Reaction: Comparison of Bidentate and Monodentate Chiral Ligands. <i>ACS Catalysis</i> , 2021 , 11, 323-336	13.1	5
186	Ab Initio Molecular Dynamics Simulations of the S1/S2 Mechanistic Continuum in Glycosylation Reactions. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1577-1589	16.4	11
185	One-electron reduction induced spin transition in Fe(II) spin crossover molecules and the effect of the ligand. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4808-4814	7.1	1

184	Development and Mechanistic Studies of the Iridium-Catalyzed CH Alkenylation of Enamides with Vinyl Acetates: A Versatile Approach for Ketone Functionalization. <i>Angewandte Chemie</i> , 2021 , 133, 2109	9 4 -211	02
183	Development and Mechanistic Studies of the Iridium-Catalyzed C-H Alkenylation of Enamides with Vinyl Acetates: A Versatile Approach for Ketone Functionalization. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20926-20934	16.4	4
182	Generation of Axially Chiral Fluoroallenes through a Copper-Catalyzed Enantioselective Fluoride Elimination. <i>Journal of the American Chemical Society</i> , 2021 , 143, 13759-13768	16.4	8
181	Monovalent Nickel-Mediated Radical Formation: A Concerted Halogen-Atom Dissociation Pathway Determined by Electroanalytical Studies. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14196-14.	2 16 4	15
180	Thiol Reactivity of -Aryl Methylene-Dlactams: A Reactive Group for Targeted Covalent Inhibitor Design. <i>Journal of Organic Chemistry</i> , 2021 , 86, 11926-11936	4.2	O
179	Nickel-Catalyzed Dearomative Arylboration of Indoles: Regioselective Synthesis of C2- and C3-Borylated Indolines. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16502-16511	16.4	10
178	P-stereogenic N-vinylphosphonamides enabled by asymmetric allylic substitution-isomerization. <i>Cell Reports Physical Science</i> , 2021 , 100594	6.1	2
177	Stereodivergent atom-transfer radical cyclization by engineered cytochromes P450 <i>Science</i> , 2021 , 374, 1612-1616	33.3	13
176	Ligand-Controlled Regiodivergence in Nickel-Catalyzed Hydroarylation and Hydroalkenylation of Alkenyl Carboxylic Acids**. <i>Angewandte Chemie</i> , 2020 , 132, 23506-23512	3.6	2
175	Metal-Free C-C Coupling of an Allenyl Sulfone with Picolyl Amides to Access Vinyl Sulfones via Pyridine-Initiated In Situ Generation of Sulfinate Anion. <i>Journal of Organic Chemistry</i> , 2020 , 85, 7959-79	7 <mark>4</mark> .2	3
174	Synthesis of Pyrroles through the CuH-Catalyzed Coupling of Enynes and Nitriles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9908-9914	16.4	29
173	Highly Enantioselective Synthesis of Indazoles with a C3-Quaternary Chiral Center Using CuH Catalysis. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10550-10556	16.4	20
172	Density Functional Theory Study on the Mechanism of Iridium-Catalyzed Benzylamine C-H Alkenylation with Ethyl Acrylate. <i>ACS Omega</i> , 2020 , 5, 15446-15453	3.9	3
171	Regioselective, Photocatalytic & Functionalization of Amines. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11972-11977	16.4	30
170	A Transient-Directing-Group Strategy Enables Enantioselective Reductive Heck Hydroarylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8885-8890	16.4	30
169	-Mannosylation via -Alkylation of Anomeric Cesium Alkoxides: Mechanistic Studies and Synthesis of the Hexasaccharide Core of Complex Fucosylated N-Linked Glycans. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 2291-2301	3.2	6
168	A Transient-Directing-Group Strategy Enables Enantioselective Reductive Heck Hydroarylation of Alkenes. <i>Angewandte Chemie</i> , 2020 , 132, 8970-8975	3.6	7
167	Concerted [4 + 2] and Stepwise (2 + 2) Cycloadditions of Tetrafluoroethylene with Butadiene: DFT and DLPNO-UCCSD(T) Explorations. <i>Journal of Organic Chemistry</i> , 2020 , 85, 3858-3864	4.2	7

166	Computational Investigations of the Effects of N-Heterocyclic Carbene Ligands on the Mechanism, Reactivity, and Regioselectivity of Rh-Catalyzed Hydroborations. <i>ACS Catalysis</i> , 2020 , 10, 3820-3827	13.1	15
165	Entry to 1,2,3,4-Tetrasubstituted Arenes through Addressing the "Constraint" in the Palladium/Norbornene Catalysis. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3050-3059	16.4	26
164	Integrating Allyl Electrophiles into Nickel-Catalyzed Conjunctive Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7029-7034	16.4	24
163	Integrating Allyl Electrophiles into Nickel-Catalyzed Conjunctive Cross-Coupling. <i>Angewandte Chemie</i> , 2020 , 132, 7095-7100	3.6	4
162	The Thermal Rearrangement of an NHC-Ligated 3-Benzoborepin to an NHC-Boranorcaradiene. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 903-909	16.4	8
161	Asymmetric Synthesis of 且actam via Palladium-Catalyzed Enantioselective Intramolecular C(sp3)⊞ Amidation. <i>ACS Catalysis</i> , 2020 , 10, 114-120	13.1	40
160	The Thermal Rearrangement of an NHC-Ligated 3-Benzoborepin to an NHC-Boranorcaradiene. <i>Angewandte Chemie</i> , 2020 , 132, 913-919	3.6	5
159	Cascade CuH-Catalysed Conversion of Alkynes to Enantioenriched 1,1-Disubstituted Products. Nature Catalysis, 2020 , 3, 23-29	36.5	32
158	Diastereo- and Enantioselective CuH-Catalyzed Hydroamination of Strained Trisubstituted Alkenes. <i>ACS Catalysis</i> , 2020 , 10, 282-291	13.1	29
157	Compatibility Score for Rational Electrophile Selection in Pd/NBE Cooperative Catalysis. <i>CheM</i> , 2020 , 6, 2810-2825	16.2	8
156	Multifaceted Substrate-Ligand Interactions Promote the Copper-Catalyzed Hydroboration of Benzylidenecyclobutanes and Related Compounds. <i>ACS Catalysis</i> , 2020 , 10, 13075-13083	13.1	13
155	Controlling cyclization pathways in palladium(ii)-catalyzed intramolecular alkene hydro-functionalization substrate directivity <i>Chemical Science</i> , 2020 , 11, 11307-11314	9.4	8
154	Application of Trimethylgermanyl-Substituted Bisphosphine Ligands with Enhanced Dispersion Interactions to Copper-Catalyzed Hydroboration of Disubstituted Alkenes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18213-18222	16.4	29
153	Redox-Neutral TEMPO Catalysis: Direct Radical (Hetero)Aryl CH Di- and Trifluoromethoxylation. <i>Angewandte Chemie</i> , 2020 , 132, 21659-21664	3.6	8
152	The 3Dmol.js Learning Environment: A Classroom Response System for 3D Chemical Structures. Journal of Chemical Education, 2020 , 97, 3872-3876	2.4	6
151	Ligand-Controlled Regiodivergence in Nickel-Catalyzed Hydroarylation and Hydroalkenylation of Alkenyl Carboxylic Acids*. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23306-23312	16.4	26
150	Asymmetric allylic substitution-isomerization to axially chiral enamides hydrogen-bonding assisted central-to-axial chirality transfer. <i>Chemical Science</i> , 2020 , 11, 10119-10126	9.4	23
149	Redox-Neutral TEMPO Catalysis: Direct Radical (Hetero)Aryl C-H Di- and Trifluoromethoxylation. Angewandte Chemie - International Edition, 2020, 59, 21475-21480	16.4	16

148	Anti-selective [3+2] (Hetero)annulation of non-conjugated alkenes via directed nucleopalladation. <i>Nature Communications</i> , 2020 , 11, 6432	17.4	15
147	2-Sulfonylpyridines as Tunable, Cysteine-Reactive Electrophiles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8972-8979	16.4	30
146	Organophosphorus-catalyzed relay oxidation of H-Bpin: electrophilic C-H borylation of heteroarenes. <i>Chemical Science</i> , 2020 , 12, 1031-1037	9.4	4
145	Inversion of Enantioselectivity in Allene Gas versus Allyl Acetate Reductive Aldehyde Allylation Guided by Metal-Centered Stereogenicity: An Experimental and Computational Study. <i>ACS Catalysis</i> , 2019 , 9, 9158-9163	13.1	16
144	Kinetic Resolution via Rh-Catalyzed C-C Activation of Cyclobutanones at Room Temperature. Journal of the American Chemical Society, 2019 , 141, 16260-16265	16.4	41
143	Branched-Selective Direct Halkylation of Cyclic Ketones with Simple Alkenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4366-4370	16.4	33
142	Energy Decomposition Analyses Reveal the Origins of Catalyst and Nucleophile Effects on Regioselectivity in Nucleopalladation of Alkenes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11892-11904	16.4	27
141	Ni-Catalyzed Arylboration of Unactivated Alkenes: Scope and Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9391-9400	16.4	48
140	S-Adamantyl Group Directed Site-Selective Acylation: Applications in Streamlined Assembly of Oligosaccharides. <i>Angewandte Chemie</i> , 2019 , 131, 9642-9646	3.6	O
139	S-Adamantyl Group Directed Site-Selective Acylation: Applications in Streamlined Assembly of Oligosaccharides. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9542-9546	16.4	11
138	Explication of Activated Alkenes by Photoredox Catalysis. <i>Angewandte Chemie</i> , 2019 , 131, 7396-7401	3.6	4
137	Eselective Aroylation of Activated Alkenes by Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7318-7323	16.4	25
136	Computational Study of the Ni-Catalyzed C-H Oxidative Cycloaddition of Aromatic Amides with Alkynes. <i>ACS Omega</i> , 2019 , 4, 5209-5220	3.9	12
135	Deacylative transformations of ketones via aromatization-promoted C-C bond activation. <i>Nature</i> , 2019 , 567, 373-378	50.4	85
134	Mechanistically Guided Predictive Models for Ligand and Initiator Effects in Copper-Catalyzed Atom Transfer Radical Polymerization (Cu-ATRP). <i>Journal of the American Chemical Society</i> , 2019 , 141, 7486-7497	16.4	56
133	Catalytic, Enantioselective FAlkylation of Azlactones with Nonconjugated Alkenes by Directed Nucleopalladation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3923-3927	16.4	43
132	Catalytic, Enantioselective Alkylation of Azlactones with Nonconjugated Alkenes by Directed Nucleopalladation. <i>Angewandte Chemie</i> , 2019 , 131, 3963-3967	3.6	16
131	Branched-Selective Direct PAlkylation of Cyclic Ketones with Simple Alkenes. <i>Angewandte Chemie</i> , 2019 , 131, 4410-4414	3.6	7

130	Catalytic radical difluoromethoxylation of arenes and heteroarenes. <i>Chemical Science</i> , 2019 , 10, 3217-32	2 32 4	24
129	Redox-switchable olefin cross metathesis (CM) reactions and acyclic diene metathesis (ADMET) polymerizations. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 2083-2089	7.8	1
128	Tuning the Reactivity of Cyclopropenes from Living Ring-Opening Metathesis Polymerization (ROMP) to Single-Addition and Alternating ROMP. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17771-17776	16.4	14
127	An enzymatic platform for the asymmetric amination of primary, secondary and tertiary C(sp)-H bonds. <i>Nature Chemistry</i> , 2019 , 11, 987-993	17.6	84
126	Tuning the Reactivity of Cyclopropenes from Living Ring-Opening Metathesis Polymerization (ROMP) to Single-Addition and Alternating ROMP. <i>Angewandte Chemie</i> , 2019 , 131, 17935-17940	3.6	2
125	Ruthenium-Catalyzed Reductive Cleavage of Unstrained Aryl-Aryl Bonds: Reaction Development and Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18630-18640	16.4	16
124	Mechanism and stereospecificity of Z-enamide synthesis from salicylaldehydes with isoxazoles using DFT calculations. <i>Journal of Organometallic Chemistry</i> , 2019 , 903, 120981	2.3	
123	Kinetics and Inverse Temperature Dependence of a Tsujillrost Reaction in Aqueous Buffer. <i>ACS Catalysis</i> , 2019 , 9, 11720-11733	13.1	9
122	Cu-Catalyzed Hydroboration of Benzylidenecyclopropanes: Reaction Optimization, (Hetero)Aryl Scope, and Origins of Pathway Selectivity. <i>ACS Catalysis</i> , 2019 , 9, 11130-11136	13.1	10
121	Sequence-Controlled Polymers Through Entropy-Driven Ring-Opening Metathesis Polymerization: Theory, Molecular Weight Control, and Monomer Design. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5741-5752	16.4	46
120	CuH-Catalyzed Enantioselective Ketone Allylation with 1,3-Dienes: Scope, Mechanism, and Applications. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5062-5070	16.4	98
119	Site-Selective and Stereoselective -Alkylation of Glycosides by Rh(II)-Catalyzed Carbenoid Insertion. Journal of the American Chemical Society, 2019 , 141, 19902-19910	16.4	20
118	Intermolecular Regio- and Stereoselective Hetero-[5+2] Cycloaddition of Oxidopyrylium Ylides and Cyclic Imines. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 887-891	16.4	14
117	A Short Synthesis of Delavatine A Unveils New Insights into Site-Selective Cross-Coupling of 3,5-Dibromo-2-pyrone. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2652-2660	16.4	11
116	Intermolecular Regio- and Stereoselective Hetero-[5+2] Cycloaddition of Oxidopyrylium Ylides and Cyclic Imines. <i>Angewandte Chemie</i> , 2019 , 131, 897-901	3.6	O
115	Catalytic CH Trifluoromethoxylation of Arenes and Heteroarenes. <i>Angewandte Chemie</i> , 2018 , 130, 9793	-9.7697	25
114	Disentangling Ligand Effects on Metathesis Catalyst Activity: Experimental and Computational Studies of Ruthenium-Aminophosphine Complexes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5634-5643	16.4	13
113	C(alkenyl)-H Activation via Six-Membered Palladacycles: Catalytic 1,3-Diene Synthesis. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5805-5813	16.4	85

11	12	An Initiation Kinetics Prediction Model Enables Rational Design of Ruthenium Olefin Metathesis Catalysts Bearing Modified Chelating Benzylidenes. <i>ACS Catalysis</i> , 2018 , 8, 4600-4611	13.1	20	
11	11	Traversing Steric Limitations by Cooperative Lewis Base/Palladium Catalysis: An Enantioselective Synthesis of Branched Esters Using 2-Substituted Allyl Electrophiles. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7800-7803	16.4	39	
11	10	A general strategy for synthesis of cyclophane-braced peptide macrocycles via palladium-catalysed intramolecular sp C-H arylation. <i>Nature Chemistry</i> , 2018 , 10, 540-548	17.6	109	
10	09	Sterically Shielded, Stabilized Nitrile Imine for Rapid Bioorthogonal Protein Labeling in Live Cells. Journal of the American Chemical Society, 2018 , 140, 4860-4868	16.4	63	
10	э8	Catalytic C-H Trifluoromethoxylation of Arenes and Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9645-9649	16.4	66	
10	07	Issues Particular to Organometallic Reactions 2018 , 519-539			
10	o6	Epimerization of Tertiary Carbon Centers via Reversible Radical Cleavage of Unactivated C(sp)-H Bonds. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9678-9684	16.4	23	
10	05	Mechanistic Insights into the ReIO2(PPh3)2-Promoted Reductive Coupling of Alcohols. Organometallics, 2018 , 37, 2468-2480	3.8	11	
10	94	Modular ipso/ ortho Difunctionalization of Aryl Bromides via Palladium/Norbornene Cooperative Catalysis. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8551-8562	16.4	66	
10	03	Redox-Active Reagents for Photocatalytic Generation of the OCF3 Radical and (Hetero)Aryl CH Trifluoromethoxylation. <i>Angewandte Chemie</i> , 2018 , 130, 13991-13995	3.6	18	
10	O 2	Mechanistically Guided Design of Ligands That Significantly Improve the Efficiency of CuH-Catalyzed Hydroamination Reactions. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13976-1	3984	70	
10) 1	Redox-Active Reagents for Photocatalytic Generation of the OCF Radical and (Hetero)Aryl C-H Trifluoromethoxylation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13795-13799	16.4	56	
10	00	H-bonded reusable template assisted para-selective ketonisation using soft electrophilic vinyl ethers. <i>Nature Communications</i> , 2018 , 9, 3582	17.4	42	
99	9	Traversing Steric Limitations by Cooperative Lewis Base/Palladium Catalysis: An Enantioselective Synthesis of Branched Esters Using 2-Substituted Allyl Electrophiles. <i>Angewandte Chemie</i> , 2018 , 130, 7926-7929	3.6	20	
98	8	Cis-Selective Metathesis to Enhance the Living Character of Ring-Opening Polymerization: An Approach to Sequenced Copolymers. <i>ACS Macro Letters</i> , 2018 , 7, 858-862	6.6	17	
97	7	Complementary site-selectivity in arene functionalization enabled by overcoming the ortho constraint in palladium/norbornene catalysis. <i>Nature Chemistry</i> , 2018 , 10, 866-872	17.6	83	
90	6	Synthesis of Boriranes by Double Hydroboration Reactions of N-Heterocyclic Carbene Boranes and Dimethyl Acetylenedicarboxylate. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1726-1729	16.4	37	
95	5	Using Ring Strain to Control 4Electrocyclization Reactions: Torquoselectivity in Ring Closing of Medium-Ring Dienes and Ring Opening of Bicyclic Cyclobutenes. <i>Journal of Organic Chemistry</i> , 2017 82 4613-4624	4.2	18	

94	1,3-Dipolar Cycloaddition Reactions of Low-Valent Rhodium and Iridium Complexes with Arylnitrile N-Oxides. <i>Journal of Organic Chemistry</i> , 2017 , 82, 5096-5101	4.2	5
93	NHC Ligands Tailored for Simultaneous Regio- and Enantiocontrol in Nickel-Catalyzed Reductive Couplings. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9317-9324	16.4	47
92	Rhodium-Catalyzed Enantioselective Radical Addition of CX Reagents to Olefins. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8780-8784	16.4	54
91	A redox-switchable ring-closing metathesis catalyst. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1525-1532	6.8	15
90	Catalytic Site-Selective Acylation of Carbohydrates Directed by Cation-n Interaction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4346-4349	16.4	56
89	A Photoswitchable Olefin Metathesis Catalyst. <i>Organometallics</i> , 2017 , 36, 490-497	3.8	64
88	A Ring-Opening Metathesis Polymerization Catalyst That Exhibits Redox-Switchable Monomer Selectivities. <i>Chemistry - A European Journal</i> , 2017 , 23, 5994-6000	4.8	21
87	Catalyst-Free and Redox-Neutral Innate Trifluoromethylation and Alkylation of Aromatics Enabled by Light. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14315-14321	16.4	117
86	Tridentate Directing Groups Stabilize 6-Membered Palladacycles in Catalytic Alkene Hydrofunctionalization. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15576-15579	16.4	60
85	Experimental and Computational Exploration of para-Selective Silylation with a Hydrogen-Bonded Template. <i>Angewandte Chemie</i> , 2017 , 129, 15099-15103	3.6	19
84	Computationally Guided Catalyst Design in the Type I Dynamic Kinetic Asymmetric Pauson-Khand Reaction of Allenyl Acetates. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15022-15032	16.4	37
83	Ligand-Substrate Dispersion Facilitates the Copper-Catalyzed Hydroamination of Unactivated Olefins. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16548-16555	16.4	116
82	Origins of the Stereoretentive Mechanism of Olefin Metathesis with Ru-Dithiolate Catalysts. Journal of Organic Chemistry, 2017 , 82, 10595-10600	4.2	17
81	Intramolecular CH Activation Reactions of Ru(NHC) Complexes Combined with H2 Transfer to Alkenes: A Theoretical Elucidation of Mechanisms and Effects of Ligands on Reactivities. Organometallics, 2017, 36, 3613-3623	3.8	7
80	Catalytic Intermolecular Carboamination of Unactivated Alkenes via Directed Aminopalladation. Journal of the American Chemical Society, 2017 , 139, 11261-11270	16.4	116
79	Glycosyl Cross-Coupling of Anomeric Nucleophiles: Scope, Mechanism, and Applications in the Synthesis of Aryl C-Glycosides. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17908-17922	16.4	68
78	Predictive Model for Oxidative C-H Bond Functionalization Reactivity with 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17935	-1 ¹ 7944	, 51
77	Computational Study of Ni-Catalyzed C-H Functionalization: Factors That Control the Competition of Oxidative Addition and Radical Pathways. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9909-	992 0	80

(2015-2017)

76	A unified photoredox-catalysis strategy for C(sp)-H hydroxylation and amidation using hypervalent iodine. <i>Chemical Science</i> , 2017 , 8, 7180-7185	9.4	57
75	Experimental and Computational Exploration of para-Selective Silylation with a Hydrogen-Bonded Template. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14903-14907	16.4	83
74	Catalytic activation of carbon-carbon bonds in cyclopentanones. <i>Nature</i> , 2016 , 539, 546-550	50.4	173
73	Copper-catalyzed asymmetric addition of olefin-derived nucleophiles to ketones. <i>Science</i> , 2016 , 353, 144-50	33.3	161
72	Rhodium(I)-Catalyzed Benzannulation of Heteroaryl Propargylic Esters: Synthesis of Indoles and Related Heterocycles. <i>Chemistry - A European Journal</i> , 2016 , 22, 10410-4	4.8	23
71	Mechanism of Photoinduced Metal-Free Atom Transfer Radical Polymerization: Experimental and Computational Studies. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2411-25	16.4	313
70	Mechanistic studies on intramolecular C-H trifluoromethoxylation of (hetero)arenes via OCF3-migration. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 5599-605	3.9	25
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