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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 papers	10,004 citations	59 h-index	93 g-index
226 ext. papers	11,934 ext. citations	12.8 avg, IF	6.77 L-index

#	Paper	IF	Citations
201	Conversion of amides to esters by the nickel-catalysed activation of amide C-N bonds. <i>Nature</i> , 2015 , 524, 79-83	50.4	377
200	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
199	Computational explorations of mechanisms and ligand-directed selectivities of copper-catalyzed Ullmann-type reactions. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6205-13	16.4	294
198	Palladium-catalyzed meta-selective C-H bond activation with a nitrile-containing template: computational study on mechanism and origins of selectivity. <i>Journal of the American Chemical Society</i> , 2014 , 136, 344-55	16.4	270
197	Suzuki-Miyaura cross-coupling of aryl carbamates and sulfamates: experimental and computational studies. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6352-63	16.4	260
196	ORGANIC CHEMISTRY. Catalytic asymmetric hydroamination of unactivated internal olefins to aliphatic amines. <i>Science</i> , 2015 , 349, 62-6	33.3	246
195	Role of N-acyl amino acid ligands in Pd(II)-catalyzed remote C-H activation of tethered arenes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 894-7	16.4	233
194	Catalytic ketyl-olefin cyclizations enabled by proton-coupled electron transfer. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10022-5	16.4	216
193	Photoredox-mediated Minisci C-H alkylation of -heteroarenes using boronic acids and hypervalent iodine. <i>Chemical Science</i> , 2016 , 7, 6407-6412	9.4	204
192	Distortion/Interaction analysis reveals the origins of selectivities in iridium-catalyzed C-H borylation of substituted arenes and 5-membered heterocycles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4575-83	16.4	179
191	Catalytic activation of carbon-carbon bonds in cyclopentanones. <i>Nature</i> , 2016 , 539, 546-550	50.4	173
190	Copper-catalyzed asymmetric addition of olefin-derived nucleophiles to ketones. <i>Science</i> , 2016 , 353, 144-50	33.3	161
189	Z-Selectivity in olefin metathesis with chelated Ru catalysts: computational studies of mechanism and selectivity. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1464-7	16.4	157
188	Dynamics, transition states, and timing of bond formation in Diels-Alder reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12860-5	11.5	144
187	Origins of differences in reactivities of alkenes, alkynes, and allenes in [Rh(CO)2Cl]2-catalyzed (5 + 2) cycloaddition reactions with vinylcyclopropanes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2378-9	16.4	142
186	Nickel-catalyzed amination of aryl carbamates and sequential site-selective cross-couplings. <i>Chemical Science</i> , 2011 , 2, 1766-1771	9.4	139
185	Electronic and steric control of regioselectivities in Rh(I)-catalyzed (5 + 2) cycloadditions: experiment and theory. <i>Journal of the American Chemical Society</i> , 2010 , 132, 10127-35	16.4	120

184	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
183	Origin of enantioselectivity in benzotetramisole-catalyzed dynamic kinetic resolution of azlactones. <i>Organic Letters</i> , 2012 , 14, 3288-91	6.2	117
182	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
181	Catalytic Intermolecular Carboamination of Unactivated Alkenes via Directed Aminopalladation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11261-11270	16.4	116
180	Mechanism and enantioselectivity in palladium-catalyzed conjugate addition of arylboronic acids to substituted cyclic enones: insights from computation and experiment. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14996-5007	16.4	110
179	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
178	Mechanistic Basis for Regioselection and Regiodivergence in Nickel-Catalyzed Reductive Couplings. <i>Accounts of Chemical Research</i> , 2015 , 48, 1736-45	24.3	108
177	Ligand effects on rates and regioselectivities of Rh(I)-catalyzed (5 + 2) cycloadditions: a computational study of cyclooctadiene and dinaphthocyclooctatetraene as ligands. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11012-25	16.4	106
176	Understanding reactivity and stereoselectivity in palladium-catalyzed diastereoselective sp ³ C-H bond activation: intermediate characterization and computational studies. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14118-26	16.4	106
175	Origins of regioselectivity and alkene-directing effects in nickel-catalyzed reductive couplings of alkynes and aldehydes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2050-7	16.4	101
174	Substituent effects, reactant preorganization, and ligand exchange control the reactivity in Rh(I)-catalyzed (5+2) cycloadditions between vinylcyclopropanes and alkynes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3939-41	16.4	101
173	Origin of enantioselectivity in CF ₃ -PIP-catalyzed kinetic resolution of secondary benzylic alcohols. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13836-7	16.4	98
172	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
171	Ligand steric contours to understand the effects of N-heterocyclic carbene ligands on the reversal of regioselectivity in Ni-catalyzed reductive couplings of alkynes and aldehydes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6956-9	16.4	97
170	Mechanism and Origins of Ligand-Controlled Linear Versus Branched Selectivity of Iridium-Catalyzed Hydroarylation of Alkenes. <i>ACS Catalysis</i> , 2016 , 6, 809-820	13.1	92
169	Decomposition pathways of Z-selective ruthenium metathesis catalysts. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7861-6	16.4	90
168	Reactivity and chemoselectivity of allenes in Rh(I)-catalyzed intermolecular (5 + 2) cycloadditions with vinylcyclopropanes: allene-mediated rhodacycle formation can poison Rh(I)-catalyzed cycloadditions. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17273-83	16.4	88
167	Mechanism and transition-state structures for nickel-catalyzed reductive alkyne-aldehyde coupling reactions. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6654-5	16.4	86

166	Deacylative transformations of ketones via aromatization-promoted C-C bond activation. <i>Nature</i> , 2019 , 567, 373-378	50.4	85
165	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
164	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
163	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
162	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
161	High-yield sorting of small-diameter carbon nanotubes for solar cells and transistors. <i>ACS Nano</i> , 2014 , 8, 2609-17	16.7	82
160	Theoretical study of Pd(0)-catalyzed carbohalogenation of alkenes: mechanism and origins of reactivities and selectivities in alkyl halide reductive elimination from Pd(II) species. <i>Chemical Science</i> , 2012 , 3, 1987	9.4	82
159	Computational Study of Rh-Catalyzed Carboacylation of Olefins: Ligand-Promoted Rhodacycle Isomerization Enables Regioselective C-C Bond Functionalization of Benzocyclobutenones. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8274-83	16.4	81
158	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, 9909-9920	16.4	80
157	Benzazetidene synthesis via palladium-catalysed intramolecular C-H amination. <i>Nature Chemistry</i> , 2016 , 8, 1131-1136	17.6	80
156	Scalable and selective dispersion of semiconducting arc-discharged carbon nanotubes by dithiafulvalene/thiophene copolymers for thin film transistors. <i>ACS Nano</i> , 2013 , 7, 2659-68	16.7	79
155	Enzymatic hydroxylation of an unactivated methylene C-H bond guided by molecular dynamics simulations. <i>Nature Chemistry</i> , 2015 , 7, 653-60	17.6	78
154	Mechanism and Origins of Selectivities in the Copper-Catalyzed Dearomatization-Induced ortho C-H Cyanation of Vinylarenes. <i>ACS Catalysis</i> , 2015 , 5, 2944-2951	13.1	75
153	Rh-catalyzed (5+2) cycloadditions of 3-acyloxy-1,4-enynes and alkynes: computational study of mechanism, reactivity, and regioselectivity. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9271-4	16.4	72
152	Z-Selective ethenolysis with a ruthenium metathesis catalyst: experiment and theory. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5848-58	16.4	70
151	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, 13976-13984	16.4	70
150	Origins of initiation rate differences in ruthenium olefin metathesis catalysts containing chelating benzylidenes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5782-92	16.4	68
149	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

148	Catalytic C-H Trifluoromethoxylation of Arenes and Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9645-9649	16.4	66
147	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
146	A Photoswitchable Olefin Metathesis Catalyst. <i>Organometallics</i> , 2017 , 36, 490-497	3.8	64
145	Sterically Shielded, Stabilized Nitrile Imine for Rapid Bioorthogonal Protein Labeling in Live Cells. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4860-4868	16.4	63
144	Mechanism and origins of ligand-controlled selectivities in [Ni(NHC)]-catalyzed intramolecular (5 + 2) cycloadditions and homo-ene reactions: a theoretical study. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1456-62	16.4	63
143	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
142	Solvent effects on polymer sorting of carbon nanotubes with applications in printed electronics. <i>Small</i> , 2015 , 11, 126-33	11	57
141	Catalytic, enantioselective N-acylation of lactams and thiolactams using amidine-based catalysts. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17605-12	16.4	57
140	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
139	Catalytic Site-Selective Acylation of Carbohydrates Directed by Cation- π Interaction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4346-4349	16.4	56
138	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
137	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
136	Carboxylate-assisted C(sp ²)-H activation in olefin metathesis-relevant ruthenium complexes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6733-43	16.4	55
135	Mechanism of the cycloaddition of carbon dioxide and epoxides catalyzed by cobalt-substituted 12-tungstenphosphate. <i>Chemistry - A European Journal</i> , 2012 , 18, 9870-6	4.8	55
134	Rhodium-Catalyzed Enantioselective Radical Addition of CX Reagents to Olefins. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8780-8784	16.4	54
133	On the Mechanism of Ligand-Assisted, Copper-Catalyzed Benzylic Amination by Chloramine-T. <i>Organometallics</i> , 2010 , 29, 3404-3412	3.8	53
132	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, 17935-17944	16.4	51
131	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

130	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
129	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
128	Catalytic, Enantioselective α -Alkylation of Azlactones with Nonconjugated Alkenes by Directed Nucleopalladation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3923-3927	16.4	43
127	H-bonded reusable template assisted para-selective ketonisation using soft electrophilic vinyl ethers. <i>Nature Communications</i> , 2018 , 9, 3582	17.4	42
126	Kinetic Resolution via Rh-Catalyzed C-C Activation of Cyclobutanones at Room Temperature. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16260-16265	16.4	41
125	Asymmetric Synthesis of β -Lactam via Palladium-Catalyzed Enantioselective Intramolecular C(sp ³) β Amidation. <i>ACS Catalysis</i> , 2020 , 10, 114-120	13.1	40
124	Traversing Steric Limitations by Cooperative Lewis Base/Palladium Catalysis: An Enantioselective Synthesis of β -Branched Esters Using 2-Substituted Allyl Electrophiles. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7800-7803	16.4	39
123	Mechanism of Sulfite-Driven, MeReO ₃ -Catalyzed Deoxydehydration of Glycols. <i>Organometallics</i> , 2013 , 32, 1821-1831	3.8	39
122	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
121	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
120	Cyclometalated Z-Selective Ruthenium Metathesis Catalysts with Modified N-Chelating Groups. <i>Organometallics</i> , 2015 , 34, 2858-2869	3.8	37
119	Branched-Selective Direct α -Alkylation of Cyclic Ketones with Simple Alkenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4366-4370	16.4	33
118	Cascade CuH-Catalysed Conversion of Alkynes to Enantioenriched 1,1-Disubstituted Products. <i>Nature Catalysis</i> , 2020 , 3, 23-29	36.5	32
117	Probing Stereoselectivity in Ring-Opening Metathesis Polymerization Mediated by Cyclometalated Ruthenium-Based Catalysts: A Combined Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1394-405	16.4	31
116	Dimer involvement and origin of crossover in nickel-catalyzed aldehyde-alkyne reductive couplings. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17495-504	16.4	31
115	Substituent Effects, Reactant Preorganization, and Ligand Exchange Control the Reactivity in RhI-Catalyzed (5+2) Cycloadditions between Vinylcyclopropanes and Alkynes. <i>Angewandte Chemie</i> , 2008 , 120, 4003-4005	3.6	31
114	Regioselective, Photocatalytic β -Functionalization of Amines. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11972-11977	16.4	30
113	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

112	2-Sulfonylpyridines as Tunable, Cysteine-Reactive Electrophiles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8972-8979	16.4	30
111	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
110	Remote substituent effects in ruthenium-catalyzed [2+2] cycloadditions: an experimental and theoretical study. <i>Journal of Organic Chemistry</i> , 2006 , 71, 3793-803	4.2	29
109	Diastereo- and Enantioselective CuH-Catalyzed Hydroamination of Strained Trisubstituted Alkenes. <i>ACS Catalysis</i> , 2020 , 10, 282-291	13.1	29
108	Application of Trimethylgermyl-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
107	Manifestation of Felkin-Anh control in enantioselective acyl transfer catalysis: kinetic resolution of carboxylic acids. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9638-42	16.4	28
106	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
105	Development of Chiral Bis-hydrazone Ligands for the Enantioselective Cross-Coupling Reactions of Aryldimethylsilanolates. <i>Journal of Organic Chemistry</i> , 2015 , 80, 313-66	4.2	27
104	N-Type Conjugated Polymer-Enabled Selective Dispersion of Semiconducting Carbon Nanotubes for Flexible CMOS-Like Circuits. <i>Advanced Functional Materials</i> , 2015 , 25, 1837-1844	15.6	27
103	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
102	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
101	Selective Arylation of Activated Alkenes by Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7318-7323	16.4	25
100	Catalytic C-H Trifluoromethoxylation of Arenes and Heteroarenes. <i>Angewandte Chemie</i> , 2018 , 130, 9793-9797	16.4	25
99	Mechanistic studies on intramolecular C-H trifluoromethoxylation of (hetero)arenes via OCF ₃ -migration. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 5599-605	3.9	25
98	Catalytic radical difluoromethoxylation of arenes and heteroarenes. <i>Chemical Science</i> , 2019 , 10, 3217-3224	9.4	24
97	Integrating Allyl Electrophiles into Nickel-Catalyzed Conjunctive Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7029-7034	16.4	24
96	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
95	Epimerization of Tertiary Carbon Centers via Reversible Radical Cleavage of Unactivated C(sp ³)-H Bonds. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9678-9684	16.4	23

- 94 Competition between concerted and stepwise dynamics in the triplet di- π -methane rearrangement. *Angewandte Chemie - International Edition*, **2014**, 53, 8664-7 16.4 23
- 93 Mechanism and origins of regio- and enantioselectivities in RhI-catalyzed hydrogenative couplings of 1,3-diynes and activated carbonyl partners: intervention of a cumulene intermediate. *Chemistry - A European Journal*, **2011**, 17, 4021-9 4.8 23
- 92 Cafestol to Tricalysiolide B and Oxidized Analogues: Biosynthetic and Derivatization Studies Using Non-heme Iron Catalyst Fe(PDP). *Synlett*, **2012**, 23, 2768-2772 2.2 23
- 91 Asymmetric allylic substitution-isomerization to axially chiral enamides hydrogen-bonding assisted central-to-axial chirality transfer. *Chemical Science*, **2020**, 11, 10119-10126 9.4 23
- 90 A Ring-Opening Metathesis Polymerization Catalyst That Exhibits Redox-Switchable Monomer Selectivities. *Chemistry - A European Journal*, **2017**, 23, 5994-6000 4.8 21
- 89 Theoretical studies of regioselectivity of Ni- and Rh-catalyzed C \equiv C bond forming reactions with unsymmetrical alkynes. *Inorganica Chimica Acta*, **2011**, 369, 2-14 2.7 21
- 88 Highly Enantioselective Synthesis of Indazoles with a C3-Quaternary Chiral Center Using CuH Catalysis. *Journal of the American Chemical Society*, **2020**, 142, 10550-10556 16.4 20
- 87 An Initiation Kinetics Prediction Model Enables Rational Design of Ruthenium Olefin Metathesis Catalysts Bearing Modified Chelating Benzylidenes. *ACS Catalysis*, **2018**, 8, 4600-4611 13.1 20
- 86 Tandem Iridium Catalysis as a General Strategy for Atroposelective Construction of Axially Chiral Styrenes. *Journal of the American Chemical Society*, **2021**, 143, 10686-10694 16.4 20
- 85 Site-Selective and Stereoselective α -Alkylation of Glycosides by Rh(II)-Catalyzed Carbenoid Insertion. *Journal of the American Chemical Society*, **2019**, 141, 19902-19910 16.4 20
- 84 Traversing Steric Limitations by Cooperative Lewis Base/Palladium Catalysis: An Enantioselective Synthesis of β -Branched Esters Using 2-Substituted Allyl Electrophiles. *Angewandte Chemie*, **2018**, 130, 7926-7929 3.6 20
- 83 Experimental and Computational Exploration of para-Selective Silylation with a Hydrogen-Bonded Template. *Angewandte Chemie*, **2017**, 129, 15099-15103 3.6 19
- 82 Regioselectivity in the Cu(I)-catalyzed [4 + 2]-cycloaddition of 2-nitrosopyridine with unsymmetrical dienes. *Journal of Organic Chemistry*, **2014**, 79, 5617-26 4.2 19
- 81 Stereoselective Palladium-Catalyzed Base-Free Suzuki-Miyaura Cross-Coupling of Tetrasubstituted gem-Difluoroalkenes: An Experimental and Computational Study. *ACS Catalysis*, **2021**, 11, 4799-4809 13.1 19
- 80 Using Ring Strain to Control 4 π Electrocyclization Reactions: Torquoselectivity in Ring Closing of Medium-Ring Dienes and Ring Opening of Bicyclic Cyclobutenes. *Journal of Organic Chemistry*, **2017**, 82, 4613-4624 4.2 18
- 79 Theoretical studies of the conformations and ^{19}F NMR spectra of linear and a branched perfluorooctanesulfonamide (PFOSAmide). *Chemosphere*, **2007**, 69, 1213-20 8.4 18
- 78 Boron insertion into alkyl ether bonds via zinc/nickel tandem catalysis. *Science*, **2021**, 372, 175-182 33.3 18
- 77 Redox-Active Reagents for Photocatalytic Generation of the OCF $_3$ Radical and (Hetero)Aryl CBr Trifluoromethoxylation. *Angewandte Chemie*, **2018**, 130, 13991-13995 3.6 18

76	Origins of the Stereoretentive Mechanism of Olefin Metathesis with Ru-Dithiolate Catalysts. <i>Journal of Organic Chemistry</i> , 2017 , 82, 10595-10600	4.2	17
75	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
74	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
73	Catalytic, Enantioselective β -Alkylation of Azlactones with Nonconjugated Alkenes by Directed Nucleopalladation. <i>Angewandte Chemie</i> , 2019 , 131, 3963-3967	3.6	16
72	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
71	Redox-Neutral TEMPO Catalysis: Direct Radical (Hetero)Aryl C-H Di- and Trifluoromethoxylation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21475-21480	16.4	16
70	A redox-switchable ring-closing metathesis catalyst. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 1525-1532	6.8	15
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