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List of Publications by Year
in descending order

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115 papers	18,809 citations	26610 56 h-index	21521 114 g-index
197 all docs	197 docs citations	197 times ranked	8733 citing authors

#	Article	IF	Citations
1	Palladium(II)â€Catalyzed Cï£¿H Activation/Cï£¿C Crossâ€Coupling Reactions: Versatility and Practicality. Angewandte Chemie - International Edition, 2009, 48, 5094-5115.	7.2	3,842
2	Weak Coordination as a Powerful Means for Developing Broadly Useful Câ€“H Functionalization Reactions. Accounts of Chemical Research, 2012, 45, 788-802.	7.6	2,513
3	Transition metal-catalyzed Câ€“H activation reactions: diastereoselectivity and enantioselectivity. Chemical Society Reviews, 2009, 38, 3242.	18.7	1,498
4	Ligand-Enabled Reactivity and Selectivity in a Synthetically Versatile Aryl Câ€“H Olefination. Science, 2010, 327, 315-319.	6.0	694
5	Ligand-enabled meta-Câ€“H activation using a transient mediator. Nature, 2015, 519, 334-338.	13.7	494
6	Developing Ligands for Palladium(II)-Catalyzed Câ€“H Functionalization: Intimate Dialogue between Ligand and Substrate. Journal of Organic Chemistry, 2013, 78, 8927-8955.	1.7	472
7	Ligand-Accelerated Câˆ’H Activation Reactions: Evidence for a Switch of Mechanism. Journal of the American Chemical Society, 2010, 132, 14137-14151.	6.6	429
8	Catalytic Hydrotrifluoromethylation of Unactivated Alkenes. Journal of the American Chemical Society, 2013, 135, 2505-2508.	6.6	403
9	Pd(II)-Catalyzed Enantioselective Câ€“H Activation of Cyclopropanes. Journal of the American Chemical Society, 2011, 133, 19598-19601.	6.6	370
10	Bystanding F⁺ Oxidants Enable Selective Reductive Elimination from Highâ€Valent Metal Centers in Catalysis. Angewandte Chemie - International Edition, 2011, 50, 1478-1491.	7.2	366
11	Pd(II)-Catalyzed Olefination of <i>sp</i>³ Câˆ’H Bonds. Journal of the American Chemical Society, 2010, 132, 3680-3681.	6.6	356
12	Pd(II)-Catalyzed Hydroxyl-Directed Câˆ’H Olefination Enabled by Monoprotected Amino Acid Ligands. Journal of the American Chemical Society, 2010, 132, 5916-5921.	6.6	335
13	Pd(0)/PR₃-Catalyzed Intermolecular Arylation of sp³ Câˆ’H Bonds. Journal of the American Chemical Society, 2009, 131, 9886-9887.	6.6	300
14	Recent developments in nickel-catalyzed intermolecular dicarbofunctionalization of alkenes. Chemical Science, 2020, 11, 4287-4296.	3.7	296
15	Transition-Metal-Catalyzed, Coordination-Assisted Functionalization of Nonactivated C(sp³)â€“H Bonds. Chemical Reviews, 2021, 121, 14957-15074.	23.0	262
16	Constructing Multiply Substituted Arenes Using Sequential Palladium(II)â€Catalyzed Cï£¿H Olefination. Angewandte Chemie - International Edition, 2010, 49, 6169-6173.	7.2	233
17	Nickel-Catalyzed Î²,Î³-Dicarbofunctionalization of Alkenyl Carbonyl Compounds via Conjunctive Cross-Coupling. Journal of the American Chemical Society, 2017, 139, 10657-10660.	6.6	231
18	Hydroxyl-directed Câ€“H carbonylation enabled by mono-N-protected amino acid ligands: An expedient route to 1-isochromanones. Chemical Science, 2011, 2, 967.	3.7	187

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19	Directed, Regiocontrolled Hydroamination of Unactivated Alkenes via Protodepalladation. Journal of the American Chemical Society, 2016, 138, 5805-5808.	6.6	179
20	Ligand-Accelerated Cross-Coupling of C(sp²)â€“H Bonds with Arylboron Reagents. Journal of the American Chemical Society, 2011, 133, 18183-18193.	6.6	172
21	Mechanistic Rationalization of Unusual Kinetics in Pd-Catalyzed Câ€“H Olefination. Journal of the American Chemical Society, 2012, 134, 4600-4606.	6.6	169
22	Catalytic Intermolecular Carboamination of Unactivated Alkenes via Directed Aminopalladation. Journal of the American Chemical Society, 2017, 139, 11261-11270.	6.6	165
23	Nickel-Catalyzed 1,2-Diarylation of Simple Alkenyl Amides. Journal of the American Chemical Society, 2018, 140, 17878-17883.	6.6	161
24	Î²,Î³-Vicinal Dicarbofunctionalization of Alkenyl Carbonyl Compounds via Directed Nucleopalladation. Journal of the American Chemical Society, 2016, 138, 15122-15125.	6.6	156
25	Heterocycle Formation via Palladium-Catalyzed C-H Functionalization. Synthesis, 2012, 44, 1778-1791.	1.2	154
26	Catalytic, Regioselective Hydrocarbofunctionalization of Unactivated Alkenes with Diverse Câ€“H Nucleophiles. Journal of the American Chemical Society, 2016, 138, 14705-14712.	6.6	151
27	Directed nickel-catalyzed 1,2-dialkylation of alkenyl carbonyl compounds. Chemical Science, 2018, 9, 5278-5283.	3.7	146
28	Sequential Câ€“H Functionalization Reactions for the Enantioselective Synthesis of Highly Functionalized 2,3-Dihydrobenzofurans. Journal of the American Chemical Society, 2013, 135, 6774-6777.	6.6	142
29	Crossâ€Coupling of C(sp³)â€“H Bonds with Organometallic Reagents via Pd(II)/Pd(0) Catalysis. Israel Journal of Chemistry, 2010, 50, 605-616.	1.0	141
30	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
31	Trifluoromethylation of Allylsilanes under Copper Catalysis. Chemistry - A European Journal, 2012, 18, 8583-8587.	1.7	122
32	Catalytic Carbo- and Aminoboration of Alkenyl Carbonyl Compounds via Five- and Six-Membered Palladacycles. Journal of the American Chemical Society, 2018, 140, 3223-3227.	6.6	118
33	Trifluoromethylation of Allylsilanes under Photoredox Catalysis. Organic Letters, 2013, 15, 1250-1253.	2.4	117
34	Asymmetric Electrophilic Fluorocyclization with Carbon Nucleophiles. Angewandte Chemie - International Edition, 2013, 52, 9796-9800.	7.2	103
35	Palladium(0)â€Catalyzed Directed <i>syn</i>â€•1,2â€Carboboration and â€Silylation: Alkene Scope, Applications in Dearomatization, and Stereocontrol by a Chiral Auxiliary. Angewandte Chemie - International Edition, 2019, 58, 17068-17073.	7.2	101
36	Origins of Initiation Rate Differences in Ruthenium Olefin Metathesis Catalysts Containing Chelating Benzylidenes. Journal of the American Chemical Society, 2015, 137, 5782-5792.	6.6	89

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37	Palladium(II)-Catalyzed Regioselective syn-Hydroarylation of Disubstituted Alkynes Using a Removable Directing Group. Journal of the American Chemical Society, 2016, 138, 13076-13081.	6.6	88
38	Directed, Palladium(II)-Catalyzed Enantioselective <i>anti-</i>Carboboration of Alkenyl Carbonyl Compounds. ACS Catalysis, 2019, 9, 3260-3265.	5.5	85
39	Tridentate Directing Groups Stabilize 6-Membered Palladacycles in Catalytic Alkene Hydrofunctionalization. Journal of the American Chemical Society, 2017, 139, 15576-15579.	6.6	83
40	Directed, Nickel-Catalyzed Umpolung 1,2-Carboamination of Alkenyl Carbonyl Compounds. ACS Catalysis, 2019, 9, 224-229.	5.5	83
41	Transitionâ€Metalâ€Catalyzed 1,2â€Carboboration of Alkenes: Strategies, Mechanisms, and Stereocontrol. Israel Journal of Chemistry, 2020, 60, 219-229.	1.0	83
42	Ni(COD)(DQ): An Airâ€Stable 18â€Electron Nickel(0)â€"Olefin Precatalyst. Angewandte Chemie - International Edition, 2020, 59, 7409-7413.	7.2	82
43	Catalytic, Enantioselective Synthesis of Allenyl Boronates. ACS Catalysis, 2018, 8, 3650-3654.	5.5	75
44	Activation of diverse carbonâ€"heteroatom and carbonâ€"carbon bonds via palladium(ii)-catalysed Î^{2}-X elimination. Nature Chemistry, 2018, 10, 1126-1133.	6.6	75
45	Coordination diversity in hydrogen-bonded homoleptic fluorideâ€"alcohol complexes modulates reactivity. Chemical Science, 2015, 6, 5293-5302.	3.7	74
46	Hydrogen-Bonded Homoleptic Fluorideâ€"Diarylurea Complexes: Structure, Reactivity, and Coordinating Power. Journal of the American Chemical Society, 2016, 138, 13314-13325.	6.6	73
47	Nickel-catalyzed intermolecular oxidative Heck arylation driven by transfer hydrogenation. Nature Communications, 2019, 10, 5025.	5.8	73
48	The mechanism of palladium(II)-mediated Câ€"H cleavage with mono-<i>N</i>-protected amino acid (MPAA) ligands: origins of rate acceleration. Pure and Applied Chemistry, 2016, 88, 119-138.	0.9	72
49	Palladium(<scp>ii</scp>)-catalyzed Î^{3}-selective hydroarylation of alkenyl carbonyl compounds with arylboronic acids. Chemical Science, 2018, 9, 8363-8368.	3.7	71
50	Palladium(II)-Catalyzed Directed <i>anti-</i>Hydrochlorination of Unactivated Alkynes with HCl. Journal of the American Chemical Society, 2017, 139, 5183-5193.	6.6	70
51	Nickelâ€Catalyzed 1,2â€Diarylation of Alkenyl Carboxylates: A Gateway to 1,2,3â€Trifunctionalized Building Blocks. Angewandte Chemie - International Edition, 2020, 59, 1201-1205.	7.2	69
52	Palladium-Catalyzed Reductive Heck Coupling of Alkenes. Trends in Chemistry, 2019, 1, 572-587.	4.4	68
53	Cascade CuH-catalysed conversion of alkynes into enantioenriched 1,1-disubstituted products. Nature Catalysis, 2020, 3, 23-29.	16.1	64
54	Practical Intermolecular Hydroarylation of Diverse Alkenes via Reductive Heck Coupling. ACS Catalysis, 2018, 8, 8987-8992.	5.5	63

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55	Catalytic, Enantioselective Î±â€Alkylation of Azlactones with Nonconjugated Alkenes by Directed Nucleopalladation. Angewandte Chemie - International Edition, 2019, 58, 3923-3927.	7.2	63
56	Direct Access to Versatile Electrophiles via Catalytic Oxidative Cyanation of Alkenes. Journal of the American Chemical Society, 2018, 140, 8069-8073.	6.6	57
57	Nickel-Catalyzed 1,2-Carboamination of Alkenyl Alcohols. Journal of the American Chemical Society, 2021, 143, 13962-13970.	6.6	56
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	Ligandâ€Controlled Regiodivergence in Nickelâ€Catalyzed Hydroarylation and Hydroalkenylation of Alkenyl Carboxylic Acids**. Angewandte Chemie - International Edition, 2020, 59, 23306-23312.	7.2	51
60	Z-Selective Cross-Metathesis and Homodimerization of 3<i>E</i>-1,3-Dienes: Reaction Optimization, Computational Analysis, and Synthetic Applications. Journal of the American Chemical Society, 2016, 138, 14039-14046.	6.6	45
61	Protodepalladation as a Strategic Elementary Step in Catalysis. Synthesis, 2018, 50, 4699-4714.	1.2	42
62	Sulfonamide Directivity Enables Ni-Catalyzed 1,2-Diarylation of Diverse Alkenyl Amines. ACS Catalysis, 2020, 10, 14234-14239.	5.5	41
63	Directed, Palladium(II)-Catalyzed Intermolecular Aminohydroxylation of Alkenes Using a Mild Oxidation System. Organic Letters, 2018, 20, 3853-3857.	2.4	40
64	Anti-selective [3+2] (Hetero)annulation of non-conjugated alkenes via directed nucleopalladation. Nature Communications, 2020, 11, 6432.	5.8	40
65	Integrating Allyl Electrophiles into Nickelâ€Catalyzed Conjunctive Crossâ€Coupling. Angewandte Chemie - International Edition, 2020, 59, 7029-7034.	7.2	39
66	Low-Valent Tungsten Catalysis Enables Site-Selective Isomerizationâ€“Hydroboration of Unactivated Alkenes. Journal of the American Chemical Society, 2021, 143, 14981-14986.	6.6	38
67	A Transient Directing Group Strategy Enables Enantioselective Multicomponent Organofluorine Synthesis. Journal of the American Chemical Society, 2021, 143, 8962-8969.	6.6	36
68	Cyclic (Alkyl)(amino)carbene Ligands Enable Cuâ€Catalyzed Markovnikov Protoboration and Protosilylation of Terminal Alkynes: A Versatile Portal to Functionalized Alkenes**. Angewandte Chemie - International Edition, 2021, 60, 19871-19878.	7.2	35
69	N-alkylation of 2-pyridone derivatives via palladium(II)-catalyzed directed alkene hydroamination. Tetrahedron, 2017, 73, 3636-3642.	1.0	33
70	Recent applications of chiral phosphoric acids in palladium catalysis. Organic and Biomolecular Chemistry, 2020, 18, 618-637.	1.5	33
71	Copper-Catalyzed Chanâ€“Lam Cyclopropylation of Phenols and Azaheterocycles. Journal of Organic Chemistry, 2018, 83, 3417-3425.	1.7	31
72	Palladium(0)â€Catalyzed Directed syn â€1,2â€Carboboration and â€Silylation: Alkene Scope, Applications in Dearomatization, and Stereocontrol by a Chiral Auxiliary. Angewandte Chemie, 2019, 131, 17224-17229.	1.6	30

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73	Catalytic, Enantioselective Î±â€Alkylation of Azlactones with Nonconjugated Alkenes by Directed Nucleopalladation. Angewandte Chemie, 2019, 131, 3963-3967.	1.6	29
74	Synthesis of Stereodefined 1,1-Diborylalkenes via Copper-Catalyzed Diboration of Terminal Alkynes. Organic Letters, 2020, 22, 5235-5239.	2.4	29
75	Synthetic and Mechanistic Studies of a Versatile Heteroaryl Thioether Directing Group for Pd(II) Catalysis. ACS Catalysis, 2019, 9, 7626-7640.	5.5	28
76	An S_NAr Approach to Sterically Hindered <i>ortho</i>-Alkoxybenzaldehydes for the Synthesis of Olefin Metathesis Catalysts. Journal of Organic Chemistry, 2015, 80, 4213-4220.	1.7	27
77	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
78	Electrophilic Sulfur Reagent Design Enables Directed <i>syn</i>-Carbosulfenylation of Unactivated Alkenes. Journal of the American Chemical Society, 2022, 144, 7189-7197.	6.6	26
79	Regioselective Hydroamination Using a Directed Nucleopalladation/Protodepalladation Strategy. Synlett, 2017, 28, 2057-2065.	1.0	25
80	Mechanistic Studies of Pd(II)-Catalyzed <i>E</i>/<i>Z</i> Isomerization of Unactivated Alkenes: Evidence for a Monometallic Nucleopalladation Pathway. ACS Catalysis, 2021, 11, 4239-4246.	5.5	25
81	Ni-Catalyzed 1,2-Diarylation of Alkenyl Ketones: A Comparative Study of Carbonyl-Directed Reaction Systems. Organic Letters, 2021, 23, 5311-5316.	2.4	24
82	Pd^{II}â€Catalyzed C(alkenyl)â^'H Activation Facilitated by a Transient Directing Group**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	24
83	Cu-Catalyzed Hydroboration of Benzylidenecyclopropanes: Reaction Optimization, (Hetero)Aryl Scope, and Origins of Pathway Selectivity. ACS Catalysis, 2019, 9, 11130-11136.	5.5	23
84	Alkene Difunctionalization Directed by Free Amines: Diamine Synthesis via Nickel-Catalyzed 1,2-Carboamination. ACS Catalysis, 2022, 12, 3890-3896.	5.5	23
85	Large-Periodicity Two-Dimensional Crystals by Cocrystallization. Nano Letters, 2006, 6, 1178-1183.	4.5	22
86	In Situ Catalyst Modification in Atom Transfer Radical Reactions with Ruthenium Benzylidene Complexes. Journal of the American Chemical Society, 2016, 138, 7171-7177.	6.6	21
87	(CAAC)Copper Catalysis Enables Regioselective Three-Component Carboboration of Terminal Alkynes. ACS Catalysis, 2022, 12, 7243-7247.	5.5	21
88	Nickelâ€Catalyzed 1,2â€Diarylation of Alkenyl Carboxylates: A Gateway to 1,2,3â€Trifunctionalized Building Blocks. Angewandte Chemie, 2020, 132, 1217-1221.	1.6	19
89	Multifaceted Substrateâ€"Ligand Interactions Promote the Copper-Catalyzed Hydroboration of Benzylidenecyclobutanes and Related Compounds. ACS Catalysis, 2020, 10, 13075-13083.	5.5	19
90	Controlling cyclization pathways in palladium(<scp>ii</scp>)-catalyzed intramolecular alkene hydro-functionalization <i>via</i> substrate directivity. Chemical Science, 2020, 11, 11307-11314.	3.7	19

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91	Directed Markovnikov hydroarylation and hydroalkenylation of alkenes under nickel catalysis. Chemical Science, 2021, 12, 11038-11044.	3.7	19
92	Recent advances in palladium-catalyzed (hetero)annulation of Cî€C bonds with ambiphilic organo(pseudo)halides. Chemical Communications, 2021, 57, 7610-7624.	2.2	18
93	Atom-Economical Cross-Coupling of Internal and Terminal Alkynes to Access 1,3-Enynes. Journal of the American Chemical Society, 2021, 143, 3881-3888.	6.6	16
94	Low-valent tungsten redox catalysis enables controlled isomerization and carbonylative functionalization of alkenes. Nature Chemistry, 2022, 14, 632-639.	6.6	16
95	Ni(COD)(DQ): An Airâ€Stable 18â€Electron Nickel(0)â€"Olefin Precatalyst. Angewandte Chemie, 2020, 132, 7479-7483.	1.6	14
96	A Transientâ€Directingâ€Group Strategy Enables Enantioselective Reductive Heck Hydroarylation of Alkenes. Angewandte Chemie, 2020, 132, 8970-8975.	1.6	13
97	Contrasting Two- and Three-Dimensional Crystal Properties of Isomeric Dialkyl Phthalates. Journal of the American Chemical Society, 2007, 129, 15211-15217.	6.6	11
98	Synthesis of Substituted Dihydrobenzofurans via Tandem SNAr/5-Exo-Trig Cyclization. Organic Letters, 2015, 17, 1986-1989.	2.4	11
99	Catalytic Î±-Hydroarylation of Acrylates and Acrylamides via an Interrupted Hydrodehalogenation Reaction. Journal of the American Chemical Society, 2020, 142, 10477-10484.	6.6	11
100	Ni(COD)(DMFU): A Heteroleptic 16-Electron Precatalyst for 1,2-Diarylation of Alkenes. Synlett, 2021, 32, 1570-1574.	1.0	11
101	Recent advances in the generation and functionalization of C(alkenyl)â€"Pd species for synthesis of polysubstituted alkenes. Tetrahedron, 2022, 103, 132513.	1.0	11
102	Mapping Ambiphile Reactivity Trends in the <i>Anti</i>â€(Hetero)annulation of Nonâ€Conjugated Alkenes via Pd^{II}/Pd^{IV} Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	9
103	A practical method for N-alkylation of phosphinic (thio)amides with alcohols via transfer hydrogenation. Tetrahedron, 2019, 75, 3272-3281.	1.0	6
104	Ligandâ€Controlled Regiodivergence in Nickelâ€Catalyzed Hydroarylation and Hydroalkenylation of Alkenyl Carboxylic Acids**. Angewandte Chemie, 2020, 132, 23506-23512.	1.6	6
105	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.	5.5	6
106	Directed, Nickel-Catalyzed 1,2-Alkylsulfenylation of Alkenyl Carbonyl Compounds. Chemical Science, 0, , .	3.7	6
107	igand-Accelerated ortho-C-H Olefination of Phenylacetic Acids. Organic Syntheses, 2015, 92, 58-75.	1.0	5
108	Integrating Allyl Electrophiles into Nickelâ€Catalyzed Conjunctive Crossâ€Coupling. Angewandte Chemie, 2020, 132, 7095-7100.	1.6	4

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109	Precision pruning of molecules. Nature, 2016, 533, 183-184.	13.7	2
110	Ligand Rearrangement Leads to Tetrahydrothiophene-Functionalized N,S-Heterocyclic Carbene Palladium(II) Complexes. Organometallics, 2021, 40, 2311-2319.	1.1	2
111	Metal-Mediated and Catalyzed Difunctionalization of Unsaturated Organics. , 2022, , 132-193.		2
112	Modular synthesis of non-conjugated N-(quinolin-8-yl) alkenyl amides via cross-metathesis. Tetrahedron, 2021, 93, 132279.	1.0	1
113	Cyclic (Alkyl)(amino)carbene Ligands Enable Cuâ€Catalyzed Markovnikov Protoboration and Protosilylation of Terminal Alkynes: A Versatile Portal to Functionalized Alkenes**. Angewandte Chemie, 2021, 133, 20024-20031.	1.6	1
114	Pd(II)â€Catalyzed C(alkenyl)â€"H Activation Facilitated by a Transient Directing Group. Angewandte Chemie, 0, , .	1.6	1
115	Mapping Ambiphile Reactivity Trends in the <i>Anti</i>â€(Hetero)annulation of Nonâ€Conjugated Alkenes via Pd^{II}/Pd^{IV} Catalysis. Angewandte Chemie, 2022, 134, .	1.6	0