

Guangbin Dong

List of Publications by Year in descending order

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193
papers

14,082
citations

17405

63
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110
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208
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docs citations

208
times ranked

7639
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition-Metal-Catalyzed C-H Alkylation Using Alkenes. <i>Chemical Reviews</i> , 2017, 117, 9333-9403.	23.0	885
2	Transition metal-catalyzed ketone-directed or mediated C-H functionalization. <i>Chemical Society Reviews</i> , 2015, 44, 7764-7786.	18.7	497
3	Recent applications of arene diazonium salts in organic synthesis. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1582.	1.5	396
4	Simple Amine-Directed Meta-Selective C-H Arylation via Pd/Norbornene Catalysis. <i>Journal of the American Chemical Society</i> , 2015, 137, 5887-5890.	6.6	370
5	C-Cut and Sew-Transformations via Transition-Metal-Catalyzed Carbon-Carbon Bond Activation. <i>ACS Catalysis</i> , 2017, 7, 1340-1360.	5.5	361
6	Palladium/Norbornene Cooperative Catalysis. <i>Chemical Reviews</i> , 2019, 119, 7478-7528.	23.0	347
7	Ortho vs Ipso: Site-Selective Pd and Norbornene-Catalyzed Arene C-H Amination Using Aryl Halides. <i>Journal of the American Chemical Society</i> , 2013, 135, 18350-18353.	6.6	283
8	Regioselective ketone α -alkylation with simple olefins via dual activation. <i>Science</i> , 2014, 345, 68-72.	6.0	248
9	Direct activation of relatively unstrained carbon-carbon bonds in homogeneous systems. <i>Organic Chemistry Frontiers</i> , 2014, 1, 567-581.	2.3	240
10	Total synthesis of bryostatin 16 using atom-economical and chemoselective approaches. <i>Nature</i> , 2008, 456, 485-488.	13.7	223
11	Catalytic activation of carbon-carbon bonds in cyclopentanones. <i>Nature</i> , 2016, 539, 546-550.	13.7	217
12	Catalytic C(sp ³) ³ -H Arylation of Free Primary Amines with an <i>exo</i> -Directing Group Generated <i>In Situ</i> . <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9084-9087.	7.2	208
13	Catalytic Functionalization of Unactivated sp ³ C-H Bonds via <i>exo</i> -Directing Groups: Synthesis of Chemically Differentiated 1,2-Diols. <i>Journal of the American Chemical Society</i> , 2012, 134, 16991-16994.	6.6	203
14	Palladium-Catalyzed Dynamic Kinetic Asymmetric Transformations of Vinyl Aziridines with Nitrogen Heterocycles: Rapid Access to Biologically Active Pyrroles and Indoles. <i>Journal of the American Chemical Society</i> , 2010, 132, 15800-15807.	6.6	201
15	Primary Alcohols from Terminal Olefins: Formal Anti-Markovnikov Hydration via Triple Relay Catalysis. <i>Science</i> , 2011, 333, 1609-1612.	6.0	199
16	Rhodium-Catalyzed Regioselective Carboacylation of Olefins: A C ₁ -C Bond Activation Approach for Accessing Fused Ring Systems. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7567-7571.	7.2	198
17	Synthesis of <i>ortho</i> -Acylphenols through the Palladium-Catalyzed Ketone-Directed Hydroxylation of Arenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 13075-13079.	7.2	195
18	sp ³ C-H activation via <i>exo</i> -type directing groups. <i>Chemical Science</i> , 2018, 9, 1424-1432.	3.7	189

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19	Highly Enantioselective Rh-Catalyzed Carboacylation of Olefins: Efficient Syntheses of Chiral Poly-Fused Rings. <i>Journal of the American Chemical Society</i> , 2012, 134, 20005-20008.	6.6	178
20	Cooperative activation of cyclobutanones and olefins leads to bridged ring systems by a catalytic [4+2] coupling. <i>Nature Chemistry</i> , 2014, 6, 739-744.	6.6	172
21	Ortho C-H Acylation of Aryl Iodides by Palladium/Norbornene Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12664-12668.	7.2	160
22	New Class of Nucleophiles for Palladium-Catalyzed Asymmetric Allylic Alkylation. Total Synthesis of Agelastatin A. <i>Journal of the American Chemical Society</i> , 2006, 128, 6054-6055.	6.6	153
23	Rh-Catalyzed Decarbonylative Coupling with Alkynes via C-C Activation of Isatins. <i>Journal of the American Chemical Society</i> , 2015, 137, 1408-1411.	6.6	151
24	Divergent Syntheses of Fused Naphthol and Indene Scaffolds by Rhodium-Catalyzed Direct and Decarbonylative Alkyne-Benzocyclobutenone Couplings. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1674-1678.	7.2	145
25	Deacylative transformations of ketones via aromatization-promoted C-C bond activation. <i>Nature</i> , 2019, 567, 373-378.	13.7	135
26	Temporary or removable directing groups enable activation of unstrained C-C bonds. <i>Nature Reviews Chemistry</i> , 2020, 4, 600-614.	13.8	125
27	Site-Selectivity Control in Organic Reactions: A Quest To Differentiate Reactivity among the Same Kind of Functional Groups. <i>Accounts of Chemical Research</i> , 2017, 50, 465-471.	7.6	123
28	(4+1) vs (4+2): Catalytic Intramolecular Coupling between Cyclobutanones and Trisubstituted Allenes via C-C Activation. <i>Journal of the American Chemical Society</i> , 2015, 137, 13715-13721.	6.6	122
29	Complementary site-selectivity in arene functionalization enabled by overcoming the ortho constraint in palladium/norbornene catalysis. <i>Nature Chemistry</i> , 2018, 10, 866-872.	6.6	122
30	Enantioselective Rh-Catalyzed Carboacylation of C-N Bonds via C-C Activation of Benzocyclobutenones. <i>Journal of the American Chemical Society</i> , 2016, 138, 369-374.	6.6	118
31	Direct Annulation between Aryl Iodides and Epoxides through Palladium/Norbornene Cooperative Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1697-1701.	7.2	117
32	Carbon-Carbon Bond Activation of Ketones. <i>Trends in Chemistry</i> , 2020, 2, 183-198.	4.4	112
33	Catalytic Direct γ -Arylation of Simple Ketones with Aryl Iodides. <i>Journal of the American Chemical Society</i> , 2013, 135, 17747-17750.	6.6	111
34	Efficient and Highly Aldehyde Selective Wacker Oxidation. <i>Organic Letters</i> , 2012, 14, 3237-3239.	2.4	109
35	Cyclobutenones and Benzocyclobutenones: Versatile Synthons in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2016, 22, 18290-18315.	1.7	108
36	Tetramethyl Thiourea/Co ₂ (CO) ₈ -Catalyzed Pauson-Khand Reaction under Balloon Pressure of CO. <i>Organic Letters</i> , 2005, 7, 593-595.	2.4	101

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37	Diverse sp ³ C-H functionalization through alcohol β -sulfonyloxylation. <i>Nature Chemistry</i> , 2015, 7, 829-834.	6.6	98
38	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, 8274-8283.	6.6	95
39	Coupling of Sterically Hindered Trisubstituted Olefins and Benzocyclobutenones by C-C Activation: Total Synthesis and Structural Revision of Cycloinunakiol. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10733-10736.	7.2	93
40	Modular and regioselective synthesis of all-carbon tetrasubstituted olefins enabled by an alkenyl Catellani reaction. <i>Nature Chemistry</i> , 2019, 11, 1106-1112.	6.6	93
41	Catalytic C-C bond forming transformations via direct β -CH functionalization of carbonyl compounds. <i>Tetrahedron Letters</i> , 2014, 55, 5869-5889.	0.7	92
42	Rhodium(I)-Catalyzed Decarbonylative Spirocyclization through C-C Bond Cleavage of Benzocyclobutenones: An Efficient Approach to Functionalized Spirocycles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1891-1895.	7.2	92
43	Branched-Selective Intermolecular Ketone β -Alkylation with Unactivated Alkenes via an Enamide Directing Strategy. <i>Journal of the American Chemical Society</i> , 2017, 139, 13664-13667.	6.6	91
44	Modular <i>ipso</i> / <i>ortho</i> Difunctionalization of Aryl Bromides via Palladium/Norbornene Cooperative Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 8551-8562.	6.6	91
45	Rh(I)-Catalyzed Decarbonylation of Diynes via C-C Activation: Orthogonal Synthesis of Conjugated Dienes. <i>Organic Letters</i> , 2013, 15, 2242-2245.	2.4	90
46	Thioureas as Ligands in the Pd-Catalyzed Intramolecular Pauson-Khand Reaction. <i>Organic Letters</i> , 2005, 7, 1657-1659.	2.4	89
47	Asymmetric Annulation toward Pyrrolipiperazinones: A Concise Enantioselective Synthesis of Pyrrole Alkaloid Natural Products. <i>Organic Letters</i> , 2007, 9, 2357-2359.	2.4	87
48	Alcohols or Masked Alcohols as Directing Groups for C-H Bond Functionalization. <i>Chemistry Letters</i> , 2014, 43, 264-271.	0.7	87
49	Total Synthesis of Bryostatins 16 Using a Pd-Catalyzed Diene Coupling as Macrocyclization Method and Synthesis of C20-epi-Bryostatin 7 as a Potent Anticancer Agent. <i>Journal of the American Chemical Society</i> , 2010, 132, 16403-16416.	6.6	84
50	Decarbonylative C-C bond forming reactions mediated by transition metals. <i>Science China Chemistry</i> , 2013, 56, 685-701.	4.2	84
51	A Hydrazone-Based <i>exo</i> -Directing Group Strategy for β -C-H Oxidation of Aliphatic Amines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5299-5303.	7.2	83
52	Catalytic Intermolecular <i>C</i> -Alkylation of 1,2-Diketones with Simple Olefins: A Recyclable Directing Group Strategy. <i>Journal of the American Chemical Society</i> , 2012, 134, 13954-13957.	6.6	80
53	Suzuki-Miyaura Coupling of Simple Ketones via Activation of Unstrained Carbon-Carbon Bonds. <i>Journal of the American Chemical Society</i> , 2018, 140, 5347-5351.	6.6	79
54	A Stereodivergent Strategy to Both Product Enantiomers from the Same Enantiomer of a Stereoiducing Catalyst: Agelastatinin A. <i>Chemistry - A European Journal</i> , 2009, 15, 6910-6919.	1.7	77

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55	Synthesis of indoles, indolines, and carbazoles via palladium-catalyzed C-H activation. <i>Green Synthesis and Catalysis</i> , 2021, 2, 216-227.	3.7	77
56	Bifunctional Ligand-Assisted Catalytic Ketone β -Alkenylation with Internal Alkynes: Controlled Synthesis of Enones and Mechanistic Studies. <i>Journal of the American Chemical Society</i> , 2015, 137, 15518-15527.	6.6	76
57	Cyclic Ether Synthesis via Palladium-Catalyzed Directed Dehydrogenative Annulation at Unactivated Terminal Positions. <i>Journal of the American Chemical Society</i> , 2015, 137, 11586-11589.	6.6	75
58	Transition Metal-Catalyzed C-C Bond Activation of Four-Membered Cyclic Ketones. <i>Topics in Current Chemistry</i> , 2014, 346, 233-257.	4.0	74
59	Reagent-Enabled ortho-Alkoxyacylation of Aryl Iodides via Palladium/Norbornene Catalysis. <i>Chem</i> , 2016, 1, 581-591.	5.8	73
60	Direct Catalytic Desaturation of Lactams Enabled by Soft Enolization. <i>Journal of the American Chemical Society</i> , 2017, 139, 7757-7760.	6.6	72
61	Boron insertion into alkyl ether bonds via zinc/nickel tandem catalysis. <i>Science</i> , 2021, 372, 175-182.	6.0	72
62	Catalytic activation of unstrained C(aryl)-C(aryl) bonds in 2,2'-biphenols. <i>Nature Chemistry</i> , 2019, 11, 45-51.	6.6	71
63	Concise Synthesis of (β)-Cycloclavine and (β)-5- <i>epi</i> -Cycloclavine via Asymmetric C-C Activation. <i>Journal of the American Chemical Society</i> , 2018, 140, 9652-9658.	6.6	70
64	Structurally Modified Norbornenes: A Key Factor to Modulate Reaction Selectivity in the Palladium/Norbornene Cooperative Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 17859-17875.	6.6	69
65	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.	6.6	67
66	Palladium/Norbornene-Catalyzed Indenone Synthesis from Simple Aryl Iodides: Concise Syntheses of Pauciflorol and Acredinone. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2144-2148.	7.2	67
67	Synthesis and applications of rhodium porphyrin complexes. <i>Chemical Society Reviews</i> , 2018, 47, 929-981.	18.7	66
68	Two-Carbon Ring Expansion of 1-Indanones via Insertion of Ethylene into Carbon-Carbon Bonds. <i>Journal of the American Chemical Society</i> , 2019, 141, 13038-13042.	6.6	65
69	Palladium-catalyzed direct β -arylation of ketones with diaryliodonium salts: a stoichiometric heavy metal-free and user-friendly approach. <i>Chemical Science</i> , 2015, 6, 5491-5498.	3.7	64
70	Rh-catalyzed decarbonylation of conjugated ynones via carbon-alkyne bond activation: reaction scope and mechanistic exploration via DFT calculations. <i>Chemical Science</i> , 2015, 6, 3201-3210.	3.7	64
71	Distal β -Bond-Selective C-C Activation of Ring-Fused Cyclopentanones: An Efficient Access to Spiroindanones. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2376-2380.	7.2	64
72	Rh-catalyzed reagent-free ring expansion of cyclobutenones and benzocyclobutenones. <i>Chemical Science</i> , 2015, 6, 5440-5445.	3.7	61

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73	Copper(I)-Catalyzed Chemoselective Coupling of Cyclopropanols with Diazoesters: Ring-Opening C-C Bond Formations. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3945-3950.	7.2	61
74	Copper-Catalyzed Desaturation of Lactones, Lactams, and Ketones under pH-Neutral Conditions. <i>Journal of the American Chemical Society</i> , 2019, 141, 14889-14897.	6.6	61
75	A modular synthetic approach for band-gap engineering of armchair graphene nanoribbons. <i>Nature Communications</i> , 2018, 9, 1687.	5.8	59
76	Practical Direct α -Arylation of Cyclopentanones by Palladium/Enamine Cooperative Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2559-2563.	7.2	58
77	Distal Alkenyl C-H Functionalization via the Palladium/Norbornene Cooperative Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 2715-2720.	6.6	58
78	Catalytic <i>ortho</i> -Acetoxylation of Masked Benzyl Alcohols via an <i>exo</i> -Directing Mode. <i>Organic Letters</i> , 2015, 17, 2696-2699.	2.4	57
79	Synthesis of Yrones and Recent Application in Transition-Metal-Catalyzed Reactions. <i>Synthesis</i> , 2016, 48, 161-183.	1.2	57
80	Efficient Benzimidazolidinone Synthesis via Rhodium-Catalyzed Double-Decarbonylative C-C Activation/Cycloaddition between Isatins and Isocyanates. <i>ACS Catalysis</i> , 2016, 6, 969-973.	5.5	57
81	A Diosphenol-Based Strategy for the Total Synthesis of (β)-Terpestacin. <i>Journal of the American Chemical Society</i> , 2007, 129, 4540-4541.	6.6	56
82	Catalytic Intramolecular Ketone Alkylation with Olefins by Dual Activation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15294-15298.	7.2	56
83	Catalytic Coupling between Unactivated Aliphatic C-H Bonds and Alkynes via a Metal-Hydride Pathway. <i>Journal of the American Chemical Society</i> , 2017, 139, 5716-5719.	6.6	56
84	Efficient Bottom-Up Preparation of Graphene Nanoribbons by Mild Suzuki-Miyaura Polymerization of Simple Triaryl Monomers. <i>Chemistry - A European Journal</i> , 2016, 22, 9116-9120.	1.7	55
85	Nickel-Catalyzed Chemo- and Enantioselective Coupling between Cyclobutanones and Allenes: Rapid Synthesis of [3.2.2] Bicycles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15091-15095.	7.2	54
86	Development of Thiourea-Based Ligands for the Palladium-Catalyzed Bis(methoxycarbonylation) of Terminal Olefins. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 4346-4348.	1.2	53
87	Branched-Selective Direct α -Alkylation of Cyclic Ketones with Simple Alkenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4366-4370.	7.2	53
88	Catalytic C(sp ³)-H Arylation of Free Primary Amines with an <i>exo</i> Directing Group Generated <i>In Situ</i> . <i>Angewandte Chemie</i> , 2016, 128, 9230-9233.	1.6	51
89	Rhodium(I)-Catalyzed Carboacylation/Aromatization Cascade Initiated by Regioselective C-C Activation of Benzocyclobutenones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2859-2863.	7.2	51
90	Recent advances in the total synthesis of agelastatins. <i>Pure and Applied Chemistry</i> , 2010, 82, 2231-2246.	0.9	50

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91	Controlled Rh-Catalyzed Mono- and Double-decarbonylation of Alkynyl $\hat{1}$ -Diones To Form Conjugated Yrones and Disubstituted Alkynes. <i>Organic Letters</i> , 2015, 17, 5504-5507.	2.4	50
92	Platinum-Catalyzed Desaturation of Lactams, Ketones, and Lactones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16205-16209.	7.2	49
93	Direct $\hat{1}$ -Alkylation of Ketones and Aldehydes via Pd-Catalyzed Redox Cascade. <i>Journal of the American Chemical Society</i> , 2018, 140, 6057-6061.	6.6	48
94	Liquid-phase bottom-up synthesis of graphene nanoribbons. <i>Materials Chemistry Frontiers</i> , 2020, 4, 29-45.	3.2	47
95	Catalytic $\hat{1}$ -Functionalization of Carbonyl Compounds Enabled by $\hat{1}$, $\hat{1}$ -Desaturation. <i>ACS Catalysis</i> , 2020, 10, 6058-6070.	5.5	47
96	Cyclic 1,2-Diketones as Core Building Blocks: A Strategy for the Total Synthesis of ($\hat{1}$) $\hat{1}$ -Terpestacin. <i>Chemistry - A European Journal</i> , 2010, 16, 6265-6277.	1.7	46
97	Ligand-accelerated Enantioselective Propargylation of Aldehydes via Allenylzinc Reagents. <i>Organic Letters</i> , 2011, 13, 1900-1903.	2.4	45
98	Intramolecular Acetyl Transfer to Olefins by Catalytic C $\hat{1}$ -C Bond Activation of Unstrained Ketones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 475-479.	7.2	45
99	Entry to 1,2,3,4-Tetrasubstituted Arenes through Addressing the $\hat{1}$ Meta Constraint in the Palladium/Norbornene Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 3050-3059.	6.6	44
100	Sulfenamide-enabled ortho thiolation of aryl iodides via palladium/norbornene cooperative catalysis. <i>Nature Communications</i> , 2019, 10, 3555.	5.8	43
101	Palladium-catalyzed asymmetric annulation between aryl iodides and racemic epoxides using a chiral norbornene cocatalyst. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3108-3112.	2.3	42
102	Palladium-Catalyzed $\hat{1}$ (sp ³) $\hat{1}$ H Arylation of Thiols by a Detachable Protecting/Directing Group. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12352-12355.	7.2	41
103	Synthesis of Bridged Cyclopentane Derivatives by Catalytic Decarbonylative Cycloaddition of Cyclobutanones and Olefins. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13867-13871.	7.2	40
104	Direct Vicinal Difunctionalization of Thiophenes Enabled by the Palladium/Norbornene Cooperative Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 18958-18963.	6.6	40
105	Modular In-Situ Functionalization Strategy: Multicomponent Polymerization by Palladium/Norbornene Cooperative Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8592-8596.	7.2	39
106	Modular Entry to Functionalized Tetrahydrobenzo[<i>b</i>]azepines via the Palladium/Norbornene Cooperative Catalysis Enabled by a C7-Modified Norbornene. <i>Journal of the American Chemical Society</i> , 2021, 143, 9991-10004.	6.6	39
107	Direct Annulation between Aryl Iodides and Epoxides through Palladium/Norbornene Cooperative Catalysis. <i>Angewandte Chemie</i> , 2018, 130, 1713-1717.	1.6	38
108	Redox-Neutral ortho Functionalization of Aryl Boroxines via Palladium/Norbornene Cooperative Catalysis. <i>Chem</i> , 2019, 5, 929-939.	5.8	36

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109	Enantioselective Type II Cycloaddition of Alkynes via C=C Activation of Cyclobutanones: Rapid and Asymmetric Construction of [3.3.1] Bridged Bicycles. <i>Journal of the American Chemical Society</i> , 2020, 142, 13180-13189.	6.6	36
110	Deacylation-aided C-H alkylative annulation through C=C cleavage of unstrained ketones. <i>Nature Catalysis</i> , 2021, 4, 703-710.	16.1	35
111	Fused Ring Formation by an Intramolecular C-C and C-S Reaction between Cyclobutanones and Alkynes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2702-2706.	7.2	34
112	Site-Specific and Degree-Controlled Alkyl Deuteration via Cu-Catalyzed Redox-Neutral Deacylation. <i>Journal of the American Chemical Society</i> , 2022, 144, 9570-9575.	6.6	34
113	Total Syntheses of Bryostatins: Synthesis of Two Ring-Expanded Bryostatin Analogues and the Development of a New-Generation Strategy to Access the C7-C27 Fragment. <i>Chemistry - A European Journal</i> , 2011, 17, 9789-9805.	1.7	33
114	Aza-Matteson Reactions via Controlled Mono- and Double-Methylene Insertions into Nitrogen-Boron Bonds. <i>Journal of the American Chemical Society</i> , 2021, 143, 14422-14427.	6.6	33
115	Model Studies with Gold: A Versatile Oxidation and Hydrogenation Catalyst. <i>Accounts of Chemical Research</i> , 2014, 47, 750-760.	7.6	32
116	Cobalt-Catalyzed Intramolecular Alkyne/Benzocyclobutenone Coupling: C=C Bond Cleavage via a Tetrahedral Dicobalt Intermediate. <i>ACS Catalysis</i> , 2018, 8, 845-849.	5.5	32
117	Catalytic intermolecular \hat{I}^2 -C-H alkenylation of \hat{I}^{\pm} -enamino-ketones with simple alkynes. <i>Chemical Communications</i> , 2014, 50, 5230-5232.	2.2	31
118	Direct Palladium-Catalyzed \hat{I}^2 -Arylation of Lactams. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3815-3819.	7.2	30
119	Concise synthesis of functionalized benzocyclobutenones. <i>Tetrahedron</i> , 2014, 70, 4135-4146.	1.0	29
120	Direct Observation of C-H Cyclopalladation at Tertiary Positions Enabled by an Exo-Directing Group. <i>Organometallics</i> , 2016, 35, 1057-1059.	1.1	29
121	A Concise Enantioselective Synthesis of (\hat{A}^*)-Ranirestat. <i>Organic Letters</i> , 2010, 12, 1276-1279.	2.4	28
122	Olefination via Cu-Mediated Dehydroacylation of Unstrained Ketones. <i>Journal of the American Chemical Society</i> , 2021, 143, 20042-20048.	6.6	28
123	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.	6.6	27
124	Catalytic Dehydrogenative Cyclization of \hat{I}^{\pm} -Teraryls under pH-Neutral and Oxidant-Free Conditions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15249-15253.	7.2	26
125	Atom-Economic and Stereoselective Syntheses of the Ring A and B Subunits of the Bryostatins. <i>Chemistry - A European Journal</i> , 2011, 17, 9777-9788.	1.7	25
126	Catalytic intramolecular decarbonylative coupling of \hat{A}^3 -aminocyclobutenones and alkenes: a unique approach to \hat{A}^3 [3.1.0]Bicycles. <i>Tetrahedron</i> , 2015, 71, 4478-4483.	1.0	25

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127	FMPHos: Expanding the Catalytic Capacity of Small-Bite-Angle Bisphosphine Ligands in Regioselective Alkene Hydrofunctionalizations. <i>ACS Catalysis</i> , 2020, 10, 14349-14358.	5.5	25
128	Water-Accelerated Nickel-Catalyzed β -Crotylation of Simple Ketones with 1,3-Butadiene under pH and Redox-Neutral Conditions. <i>ACS Catalysis</i> , 2020, 10, 4238-4243.	5.5	25
129	Intermolecular [5+2] Annulation between β -Indanones and Internal Alkynes by Rhodium-Catalyzed C-C Activation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20476-20482.	7.2	25
130	Carbonyl 1,2-transposition through triflate-mediated β -amination. <i>Science</i> , 2021, 374, 734-740.	6.0	25
131	Divergent Total Syntheses of Enmein-Type Natural Products: (β -Enmein, (β -Isodocarpin, and (β -Sculponin... <i>R. Angewandte Chemie - International Edition</i> , 2018, 57, 6333-6336.	7.2	24
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