

Catalytic C-H functionalization by metal carbenoid a

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ci-H Insertion Processes on Stabilized Indolyl and <i>ortho</i> -Aminophenyl Fischer Carbene Complexes: Synthesis of Azepino[3,2,1- <i>hi</i>] indole, Benzazepine and Indole Derivatives. <i>Chemistry - A European Journal</i> , 2008, 14, 7508-7512.	1.7	19
2	Room-Temperature Alkyne-Nitrile Metathesis and Unambiguous Proof for the Existence of a High-Valent Iron-Nitrido Dication in the Gas Phase. <i>Short Communication. Helvetica Chimica Acta</i> , 2008, 91, 1430-1434.	1.0	33
3	Pd ^{II} -Catalyzed Enantioselective Activation of C(sp ²)-H and C(sp ³)-H Bonds Using Monoprotected Amino Acids as Chiral Ligands. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4882-4886.	7.2	617
4	Highly Selective Metal Catalysts for Intermolecular Carbenoid Insertion into Primary C-H Bonds and Enantioselective C-C Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9747-9751.	7.2	120
5	Copper-Nitrene Complexes in Catalytic C-H Amination. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9961-9964.	7.2	325
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11	Cationic iridium-BINAP complex-catalyzed addition of aryl ketones to alkynes and alkenes via directed C-H bond cleavage. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3939-3942.	0.8	152
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13	Catalytic C-H Amination for the Preparation of Substituted 1,2-Diamines. <i>Journal of the American Chemical Society</i> , 2008, 130, 11248-11249.	6.6	108
14	A Non-Cross-Linked Soluble Polystyrene-Supported Ruthenium Catalyst for Carbenoid Transfer Reactions. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1256-1265.	1.7	33
15	Cu(II)-Catalyzed Direct and Site-Selective Arylation of Indoles Under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2008, 130, 8172-8174.	6.6	745
16	Palladium-Catalyzed Intramolecular Coupling of Arenes and Unactivated Alkanes in Air. <i>Organometallics</i> , 2008, 27, 4841-4843.	1.1	127
17	Synthesis of Benzocyclobutenes by Palladium-Catalyzed C-H Activation of Methyl Groups: Method and Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2008, 130, 15157-15166.	6.6	290
18	Coinage Metal Catalyzed C-H Bond Functionalization of Hydrocarbons. <i>Chemical Reviews</i> , 2008, 108, 3379-3394.	23.0	705
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21	1,3-Diol Synthesis via Controlled, Radical-Mediated C-H Functionalization. <i>Journal of the American Chemical Society</i> , 2008, 130, 7247-7249.	6.6	206
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24	Palladium-Catalyzed Synthesis of 2-Substituted Benzothiazoles via a C-H Functionalization/Intramolecular C-S Bond Formation Process. <i>Organic Letters</i> , 2008, 10, 5147-5150.	2.4	272
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1199	Cross-Coupling of α -Carbonyl Sulfoxonium Ylides with C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13117-13121.	7.2	212
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1263	DBU-Catalyzed [3+3] and [3+2] Annulation Reactions of Azomethine Ylides with β -Diazocarbonyls as α -Terminal Electrophiles: Modular, Atom-Economical Access to 1,2,4-Triazine and 1,2,4-Triazole Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2172-2177.	2.1	30
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1265	C(sp ³)-H Cyanation Promoted by Visible-Light Photoredox/Phosphate Hybrid Catalysis. <i>Chemistry - A European Journal</i> , 2018, 24, 8051-8055.	1.7	59
1266	Iridium-Catalyzed Dehydrogenative α -Functionalization of (Hetero)aryl-Fused Cyclic Secondary Amines with Indoles. <i>Organic Letters</i> , 2018, 20, 1171-1174.	2.4	25
1267	Rhodium(III)-Catalyzed Regioselective Direct C4-Alkylation and C2-Annulation of Indoles: Straightforward Access to Indolopyridone. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1426-1436.	1.2	35
1268	Nickel-Catalyzed Remote Arylation of Alkenyl Aldehydes Initiated by Radical Alkylation with Tertiary α -Carbonyl Alkyl Bromides. <i>Organic Letters</i> , 2018, 20, 1435-1438.	2.4	25
1269	Remote α -H Functionalization via Selective Hydrogen Atom Transfer. <i>Synthesis</i> , 2018, 50, 1569-1586.	1.2	335
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1271	A General Protocol for Addressing Speciation of the Active Catalyst Applied to Ligand-Accelerated Enantioselective C(sp ³)-H Bond Arylation. <i>ACS Catalysis</i> , 2018, 8, 1528-1531.	5.5	27
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1273	Cobalt(II)-based Metalloradical Activation of 2-(Diazomethyl)pyridines for Radical Transannulation and Cyclopropanation. <i>Angewandte Chemie</i> , 2018, 130, 2260-2265.	1.6	25
1274	Sulfamate Esters Guide Selective Radical-Mediated Chlorination of Aliphatic α -H Bonds. <i>Angewandte Chemie</i> , 2018, 130, 302-305.	1.6	33
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1278	Structure and Reactivity of Half-Sandwich Rh(+3) and Ir(+3) Carbene Complexes. Catalytic Metathesis of Azobenzene Derivatives. <i>Journal of the American Chemical Society</i> , 2018, 140, 1884-1893.	6.6	73
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1281	Mechanism of the Selective Fe-Catalyzed Arene Carbon-Hydrogen Bond Functionalization. <i>ACS Catalysis</i> , 2018, 8, 4313-4322.	5.5	32
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1285	Sulfamate Esters Guide Selective Radical-Mediated Chlorination of Aliphatic C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 296-299.	7.2	101
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1288	Ruthenium(II)-Catalyzed C-H Chalcogenation of Anilides. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 704-710.	2.1	60
1289	The mechanism of directed Ni(II)-catalyzed C-H iodination with molecular iodine. <i>Chemical Science</i> , 2018, 9, 1144-1154.	3.7	38
1290	Synthesis and applications of rhodium porphyrin complexes. <i>Chemical Society Reviews</i> , 2018, 47, 929-981.	18.7	66
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1292	Insights into disilylation and distannation: sequence influence and ligand/steric effects on Pd-catalyzed difunctionalization of carbenes. <i>Dalton Transactions</i> , 2018, 47, 1819-1826.	1.6	21
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1295	Synthesis of spirocyclic orthoesters by σ -anomalous TM rhodium(ii)-catalysed intramolecular C–H insertions. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 256-261.	1.5	8
1296	Direct C–H bond functionalization of unprotected cyclic amines. <i>Nature Chemistry</i> , 2018, 10, 165-169.	6.6	163
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1298	Application of [Co(Corrole)] ⁺ Complexes in Ring-Closing C–H Amination of Aliphatic Azides via Nitrene Radical Intermediates. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 617-626.	1.0	39
1299	Urea Insertion Reaction of Rhodium-Carbenoid. <i>Chemical and Pharmaceutical Bulletin</i> , 2018, 66, 1041-1047.	0.6	8
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1303	Regioselective copper-catalyzed aminoborylation of styrenes with bis(pinacolato)diboron and diazo compounds. <i>Chemical Communications</i> , 2018, 54, 12266-12269.	2.2	16
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1309	Bottom-Up Synthesis of Acrylic and Styrylic Rh(II) Carboxylate Polymer Beads: Solid-Supported Analogs of Rh ₂ (OAc) ₄ . <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6150-6157.	1.2	4
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1314	Versatile and robust C–C activation by chelation-assisted manganese catalysis. <i>Nature Catalysis</i> , 2018, 1, 993-1001.	16.1	61

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1320	Copper-Catalyzed Intramolecular Annulation of Conjugated Enynones to Substituted 1-H-Indenes and Mechanistic Studies. <i>Journal of Organic Chemistry</i> , 2018, 83, 13243-13255.	1.7	26
1321	Enantioselective Cobalt(III)-Catalyzed C-H Activation Enabled by Chiral Carboxylic Acid Cooperation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15425-15429.	7.2	177
1322	Direct C(sp ³)-H functionalization of 2-methylazarenes using 4-substituted-TEMPO. <i>Tetrahedron Letters</i> , 2018, 59, 4454-4457.	0.7	1
1323	Recent Advances in Iron-Catalyzed C-H Bond Amination via Iron Imido Intermediate. <i>Chinese Journal of Chemistry</i> , 2018, 36, 1222-1240.	2.6	90
1325	C-H Bond Activation Mediated by Inorganic and Organometallic Compounds of Main Group Metals. <i>Advances in Organometallic Chemistry</i> , 2018, 70, 233-311.	0.5	10
1326	Metal-Free C(sp ²)-H/N-H Cross-Dehydrogenative Coupling of Quinoxalinones with Aliphatic Amines under Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2018, 20, 7125-7130.	2.4	213
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1335	Revisiting Arene C(sp ²)-H Amidation by Intramolecular Transfer of Iridium Nitrenoids: Evidence for a Spirocyclization Pathway. <i>Angewandte Chemie</i> , 2018, 130, 13753-13757.	1.6	18
1336	Catalytic Isohypsical Redox Sequences for the Rapid Generation of C ₃ -Containing Heterocycles. <i>Chemistry - A European Journal</i> , 2018, 24, 17201-17204.	1.7	7
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1340	Palladium(II)-Catalyzed Enantioselective Arylation of Unbiased Methylene C(sp ³)-H Bonds Enabled by a 2-Pyridinylisopropyl Auxiliary and Chiral Phosphoric Acids. <i>Angewandte Chemie</i> , 2018, 130, 9231-9235.	1.6	38
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1348	Gold-Catalyzed Formal C-C Bond Insertion Reaction of α -Aryl- β -diazoesters with 1,3-Diketones. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2606-2610.	1.7	17
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1353	Design of catalysts for site-selective and enantioselective functionalization of non-activated primary C-H bonds. <i>Nature Chemistry</i> , 2018, 10, 1048-1055.	6.6	131
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1355	Highly Chemo- and Stereoselective Catalyst-Controlled Allylic C-H Insertion and Cyclopropanation Using Donor/Donor Carbenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12405-12409.	7.2	83
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1362	Iron(II)-Catalyzed Site-Selective Functionalization of Unactivated C(sp ³)-H Bonds Guided by Alkoxy Radicals. <i>Angewandte Chemie</i> , 2018, 130, 11583-11587.	1.6	38
1363	Iron(II)-Catalyzed Site-Selective Functionalization of Unactivated C(sp ³)-H Bonds Guided by Alkoxy Radicals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11413-11417.	7.2	96
1364	Experimental and computational studies on H ₂ O-promoted, Rh-catalyzed transient-ligand-free <i>ortho</i> -C(sp ²)-H amidation of benzaldehydes with dioxazolones. <i>Chemical Communications</i> , 2018, 54, 8889-8892.	2.2	35
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1366	Cu(I)-Catalyzed Coupling and Cycloisomerization of Diazo Compounds with Terminal Yne-Alkylidene-cyclopropanes: Synthesis of Functionalized Cyclopenta[<i>b</i>]naphthalene Derivatives. <i>Organic Letters</i> , 2018, 20, 4516-4520.	2.4	17
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1371	Chiral Magnesium Bisphosphate-Catalyzed Asymmetric Double $\text{C}(\text{sp}^3)$ -H Bond Functionalization Based on Sequential Hydride Shift/Cyclization Process. <i>Journal of the American Chemical Society</i> , 2018, 140, 6203-6207.	6.6	114
1372	Iron(II) Chloride-Catalyzed Nitrene Transfer Reaction for Dearomative Amination of I^2 -Naphthols with Aryl Azides. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4720-4725.	2.1	15
1373	Photoredox-Catalyzed Intermolecular Remote C-H and C-C Vinylation via Iminyl Radicals. <i>Organic Letters</i> , 2018, 20, 5523-5527.	2.4	131
1374	Revisiting Arene $\text{C}(\text{sp}^2)$ -H Amidation by Intramolecular Transfer of Iridium Nitrenoids: Evidence for a Spirocyclization Pathway. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13565-13569.	7.2	69
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1376	Visible-Light-Induced Intramolecular $\text{C}(\text{sp}^2)$ -H Amination and Aziridination of Azidoformates via a Triplet Nitrene Pathway. <i>Organic Letters</i> , 2018, 20, 4838-4842.	2.4	42
1377	Rh(III)-Catalyzed Synthesis of 2-Alkylbenzimidazoles from Imidamides and <i>tert</i> -Hydroxycarbamates. <i>Organic Letters</i> , 2018, 20, 4930-4933.	2.4	29
1378	Iron-Catalyzed Arene C-H Amidation Using Functionalized Hydroxyl Amines at Room Temperature. <i>ACS Catalysis</i> , 2018, 8, 8369-8375.	5.5	38
1379	Chiral Lewis acid-catalyzed enantioselective cyclopropanation and C-H insertion reactions of vinyl ketones with \pm -diazoesters. <i>Chemical Communications</i> , 2018, 54, 9837-9840.	2.2	18
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1381	<i>In situ</i> generation of nitrile oxides from copper carbene and <i>tert</i> -butyl nitrite: synthesis of fully substituted isoxazoles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4683-4687.	1.5	26
1382	In Situ Generation of Oxazole Ylide and Interception with Sulfonamide: Construction of Amidines Using Two Diazo Molecules. <i>Chinese Journal of Chemistry</i> , 2018, 36, 857-865.	2.6	8
1383	Catalytic Reaction of Ethyl 2-Diazo-3-oxobutanoate with Alcohols. <i>Russian Journal of Organic Chemistry</i> , 2018, 54, 373-376.	0.3	6
1384	Rh(III)-catalyzed, 1,2,3-triazole-assisted directed C-H coupling with diazo diphosphonates. <i>Tetrahedron Letters</i> , 2018, 59, 2816-2819.	0.7	9
1385	Dual Role of Aryl Iodide in Cascade C-H Arylation/Amination: Arylation Reagent and Cocatalyst for C-N Formation. <i>ACS Catalysis</i> , 2018, 8, 6407-6412.	5.5	13
1386	Electrocatalytic C-H Activation. <i>ACS Catalysis</i> , 2018, 8, 7086-7103.	5.5	535
1387	Dirhodium(II)-Mediated Alkene Epoxidation with Iodine(III) Oxidants. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5836-5842.	1.2	10

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1389	Fe-Based Complexes as Styrene Aziridination Catalysts: Ligand Substitution Tunes Catalyst Activity. <i>ChemCatChem</i> , 2019, 11, 5296-5299.	1.8	12
1390	DDQ-promoted direct C-H amination of ethers with N-alkoxyamides under visible-light irradiation and metal-free conditions. <i>Tetrahedron</i> , 2019, 75, 130516.	1.0	6
1391	Catalytic alkylation of unactivated C(sp ³)-H bonds for C(sp ³)-C(sp ³) bond formation. <i>Chemical Society Reviews</i> , 2019, 48, 4921-4942.	18.7	196
1392	Tertiary amine-directed and involved carbonylative cyclizations through Pd/Cu-cocatalyzed multiple C-X (X = H or N) bond cleavage. <i>Chemical Science</i> , 2019, 10, 9292-9301.	3.7	12
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1395	Merging Photochemistry with Electrochemistry: Functional-Group Tolerant Electrochemical Amination of C(sp ³)-H Bonds. <i>Angewandte Chemie</i> , 2019, 131, 6451-6456.	1.6	50
1396	Sulfanyl Radicals Direct Photoredox-Mediated Giese Reactions at Unactivated C(3)-H Bonds. <i>Organic Letters</i> , 2019, 21, 6089-6095.	2.4	33
1397	Catalytic Desymmetric Cycloaddition of Diaziridines with Metalloenolcarbenes: The Role of Donor-Acceptor Cyclopropenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12502-12506.	7.2	30
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1404	Photochemical C-H Amination of Ethers and Geminal Difunctionalization Reactions in One Pot. <i>Angewandte Chemie</i> , 2019, 131, 12570-12575.	1.6	9
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1406	Intramolecular azavinyl carbene-triggered rearrangement of furans. <i>Chemical Science</i> , 2019, 10, 8583-8588.	3.7	13

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1411	A Carbene-Extended ATRA Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17241-17245.	7.2	10
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1423	CO Coupling Chemistry of a Terminal Mo Carbide: Sequential Addition of Proton, Hydride, and CO Releases Ethenone. <i>Journal of the American Chemical Society</i> , 2019, 141, 15664-15674.	6.6	33
1424	Development of an Imine Chaperone for Selective C-H Functionalization of Alcohols via Radical Relay. <i>Journal of Organic Chemistry</i> , 2019, 84, 13065-13072.	1.7	7
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1429	Metal-supported and -assisted stereoselective cooperative photoredox catalysis. <i>Dalton Transactions</i> , 2019, 48, 15338-15357.	1.6	13
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1431	Finding Opportunities from Surprises and Failures. Development of Rhodium-Stabilized Donor/Acceptor Carbenes and Their Application to Catalyst-Controlled C–H Functionalization. <i>Journal of Organic Chemistry</i> , 2019, 84, 12722-12745.	1.7	66
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1449	Catalytic I^2 C-H amination via an imidate radical relay. <i>Chemical Science</i> , 2019, 10, 2693-2699.	3.7	67
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1462	Regioselective Synthesis of Fused Furans by Decarboxylative Annulation of $\text{I}^{\pm}, \text{I}^2$ -Alkenyl Carboxylic Acid with Cyclic Ketone: Synthesis of Di-Heteroaryl Derivatives. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11039-11043.	7.2	40
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1466	Dirhodium tetracarboxylates as catalysts for selective intermolecular C-H functionalization. <i>Nature Reviews Chemistry</i> , 2019, 3, 347-360.	13.8	233
1467	Enantioselective C-H Activation with Earth-Abundant 3d Transition Metals. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12803-12818.	7.2	330
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1469	Organic Reactions Enabled by Catalytically Active Metal-Metal Bonds. <i>Trends in Chemistry</i> , 2019, 1, 497-509.	4.4	54
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1471	Synthesis and Reactions of Diazoketones. <i>Organic Preparations and Procedures International</i> , 2019, 51, 103-146.	0.6	11
1472	Transition-Metal- and Light-Free Directed Amination of Remote Unactivated C(sp ³)-H Bonds of Alcohols. <i>Journal of the American Chemical Society</i> , 2019, 141, 8104-8109.	6.6	59
1473	Visible light-activated biocompatible photo-CORM for CO-release with colorimetric and fluorometric dual turn-on response. <i>Polyhedron</i> , 2019, 172, 175-181.	1.0	10
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1476	Iridium-Catalyzed C-H Amination/Cyclization for Medium to Large <i>N</i> -Heterocycle-Fused Dihydroquinazolinones. <i>Organic Letters</i> , 2019, 21, 3706-3710.	2.4	15
1477	Rhodium-Catalyzed Nitrene/Alkyne Metathesis: An Enantioselective Process for the Synthesis of <i>N</i> -Heterocycles. <i>Organic Letters</i> , 2019, 21, 3328-3331.	2.4	19
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1481	Intermolecular, Branch-Selective, and Redox-Neutral Cp*Ir ^{III} -Catalyzed Allylic C-H Amidation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7117-7121.	7.2	110
1482	Pd(II)-Catalyzed Enantioselective Alkynylation of Unbiased Methylene C(sp ³)-H Bonds Using 3,3'-Fluorinated-BINOL as a Chiral Ligand. <i>Journal of the American Chemical Society</i> , 2019, 141, 4558-4563.	6.6	109

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1484	Iron-Catalyzed Intramolecular C-H Amination of β -Azidyl Amides. <i>Organic Letters</i> , 2019, 21, 1559-1563.	2.4	36
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1490	Photochemical, Metal-Free Sigmatropic Rearrangement Reactions of Sulfur Ylides. <i>Chemistry - A European Journal</i> , 2019, 25, 6703-6706.	1.7	64
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1493	Total Synthesis of (β -Salinosporamide...A via a Late Stage C-H Insertion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10110-10113.	7.2	18
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1499	A Tandem Iridium-Catalyzed α -Chain-Walking/Cope Rearrangement Sequence. <i>ACS Catalysis</i> , 2019, 9, 2400-2406.	5.5	36
1500	Site-selective nitrenoid insertions utilizing postfunctionalized bifunctional rhodium(μ -N) catalysts. <i>Chemical Science</i> , 2019, 10, 3324-3329.	3.7	26
1501	Chiral Heterobimetallic Bismuth-Rhodium Paddlewheel Catalysts: A Conceptually New Approach to Asymmetric Cyclopropanation. <i>Angewandte Chemie</i> , 2019, 131, 3595-3599.	1.6	7

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1503	Mechanistic studies for dirhodium-catalyzed chemoselective oxidative amination of alkynyl-tethered sulfamates. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1123-1132.	2.3	7
1504	Sulfamate Esters Guide C(3)-Selective Xanthylation of Alkanes. <i>Journal of Organic Chemistry</i> , 2019, 84, 3508-3523.	1.7	30
1505	Reactivity Profiles of Diazo Amides, Esters, and Ketones in Transition-Metal-Free α -C-H Insertion Reactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 3558-3565.	6.6	31
1506	Merging Photochemistry with Electrochemistry: Functional-Group Tolerant Electrochemical Amination of C(sp ³) α -H Bonds. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6385-6390.	7.2	187
1507	Ein terminaler Nitriliminkomplex des Eisens: Zugang zum terminalen Nitrid durch Spaltung einer Diazo-N-Bindung. <i>Angewandte Chemie</i> , 2019, 131, 18719-18723.	1.6	5
1508	Construction of seven- and eight-membered carbocycles by Lewis acid catalyzed C(sp ³) α -H bond functionalization. <i>Chemical Communications</i> , 2019, 55, 13856-13859.	2.2	42
1509	Enantioselective Copper-Catalyzed Cyanation of Remote C(sp ³)-H Bonds Enabled by 1,5-Hydrogen Atom Transfer. <i>IScience</i> , 2019, 21, 490-498.	1.9	35
1510	Rhodium catalysed synthesis of seleno-ketals via carbene transfer reactions of diazoesters. <i>Chemical Communications</i> , 2019, 55, 12825-12828.	2.2	17
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1514	Eisenporphyrin-katalysierte α -C-H-Funktionalisierung von Indol mit Diazoacetonitril für die Synthese von Tryptaminen. <i>Angewandte Chemie</i> , 2019, 131, 3669-3673.	1.6	16
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1516	Donor Rhodium Carbenes by Retro-Buchner Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2088-2092.	7.2	35
1517	Unexpected Zwitterionic Allenyls from Silylenes and a Fischer Alkynylcarbene: A Remarkable Silylene-Promoted Rearrangement. <i>Chemistry - A European Journal</i> , 2019, 25, 2222-2225.	1.7	6
1518	Tryptamine Synthesis by Iron Porphyrin Catalyzed α -H Functionalization of Indoles with Diazoacetonitrile. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3630-3634.	7.2	92
1519	Durch blaues Licht induzierte Carben-transferreaktionen von Diazoalkanen. <i>Angewandte Chemie</i> , 2019, 131, 1216-1220.	1.6	37

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1521	3d Transition Metals for C-H Activation. <i>Chemical Reviews</i> , 2019, 119, 2192-2452.	23.0	1,666
1522	Heterogeneous copper-catalyzed decarboxylative cyclization of 2-benzoylpyridines with α -amino acids leading to imidazo[1,5-a]pyridines. <i>Journal of Organometallic Chemistry</i> , 2019, 881, 1-12.	0.8	4
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1531	Late-Stage Peptide Diversification through Cobalt-Catalyzed C-H Activation: Sequential Multicatalysis for Stapled Peptides. <i>Angewandte Chemie</i> , 2019, 131, 1698-1702.	1.6	37
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1927	Heterometallic bond activation enabled by unsymmetrical ligand scaffolds: bridging the opposites. <i>Chemical Science</i> , 2022, 13, 14008-14031.	3.7	7
1928	Photochemical synthesis of 1,2,4-triazoles via addition reaction of triplet intermediates to diazoalkanes and azomethine ylide intermediates. <i>Chemical Science</i> , 2022, 13, 13141-13146.	3.7	18
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1932	Efficient Synthesis of Diaryl Quaternary Centers by Rh(II)/Xantphos Catalyzed Relay CâˆH Functionalization and Allylic Alkylation. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	8
1933	Synthesis of Indeno[1,2- <i>c</i>]furans via Cobalt-Catalyzed RadicalâˆPolar Crossover [3 + 2] Cycloaddition of <i>o</i> -Alkynylaryl Î²-Dicarbonyls. <i>Organic Letters</i> , 2022, 24, 8197-8201.	2.4	2
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1937	What is a cross-coupling? An argument for a universal definition. <i>Tetrahedron</i> , 2023, 130, 133176.	1.0	2

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1941	Iron-Catalyzed Intermolecular Amination of Benzylic C(sp ³)-H Bonds. <i>Journal of the American Chemical Society</i> , 2022, 144, 21858-21866.	6.6	18
1943	Zn(II)-catalyzed Formal Cross-dimerization of Carbenes Using Acylsilanes and Diazo Esters. <i>Chemistry Letters</i> , 2023, 52, 48-50.	0.7	3
1945	Lone pair- π interaction induced regioselective sulfonation of ethers under light irradiation. <i>Green Synthesis and Catalysis</i> , 2022, , .	3.7	2
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1959	Chiral Iron Porphyrins Catalyze Enantioselective Intramolecular C(sp ³)-H Bond Amination Upon Visible-Light Irradiation. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	6

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1962	Chemodivergent C(sp ³)-H and C(sp ²)-H cyanomethylation using engineered carbene transferases. <i>Nature Catalysis</i> , 2023, 6, 152-160.	16.1	6
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