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Oxidative coupling of aromatic substrates with alkynes and alkenes under rhodium catalysis

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#	Paper	IF	Citations
1662	Synthesis of stilbene and distyrylbenzene derivatives through rhodium-catalyzed ortho-olefination and decarboxylation of benzoic acids. <i>Organic Letters</i> , 2010 , 12, 5776-9	6.2	186
1661	Rh(III)-catalyzed oxidative coupling of N-aryl-2-aminopyridine with alkynes and alkenes. <i>Organic Letters</i> , 2010 , 12, 5426-9	6.2	211
1660	Rhodium(III)-catalyzed arene and alkene C-H bond functionalization leading to indoles and pyrroles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 18326-39	16.4	576
1659	Synthesis of 2-pyridones and iminoesters via Rh(III)-catalyzed oxidative coupling between acrylamides and alkynes. <i>Organic Letters</i> , 2010 , 12, 5462-5	6.2	157
1658	Oxidant-free direct coupling of internal alkynes and 2-alkylpyridine via double C-H activations by alkylhafnium complexes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 732-5	16.4	52
1657	Rhodium(III)-catalyzed oxidative coupling of 5-aryl-1H-pyrazoles with alkynes and acrylates. <i>Journal of Organic Chemistry</i> , 2011 , 76, 8530-6	4.2	77
1656	Rh catalyzed C-H activation and oxidative olefination without chelate assistance: on the reactivity of bromoarenes. <i>Organic Letters</i> , 2011 , 13, 6346-9	6.2	83
1655	Pd(0)-catalyzed [1,5]-sigmatropic hydrogen shift of propargylic esters toward substituent naphthylamines. <i>Journal of Organic Chemistry</i> , 2011 , 76, 1941-4	4.2	33
1654	Reactions of a Trinuclear Ruthenium Complex Derived from 3-(2-Pyridyl)indene with Diphenylacetylene and Phenylacetylene: Insertion of Alkynes into the Ru-Ru bond. 2011 , 30, 676-683		19
1653	Rhodium-catalyzed regioselective olefination directed by a carboxylic group. <i>Journal of Organic Chemistry</i> , 2011 , 76, 3024-33	4.2	206
1652	Oxidative coupling of NH isoquinolones with olefins catalyzed by Rh(III). <i>Journal of Organic Chemistry</i> , 2011 , 76, 2926-32	4.2	108
1651	Ruthenium-catalyzed oxidative C-H bond alkenylations in water: expedient synthesis of annulated lactones. <i>Organic Letters</i> , 2011 , 13, 4153-5	6.2	280
1650	Synthesis of isochromene and related derivatives by rhodium-catalyzed oxidative coupling of benzyl and allyl alcohols with alkynes. <i>Journal of Organic Chemistry</i> , 2011 , 76, 9548-51	4.2	84
1649	Synthesis of azaheterocycles from aryl ketone O-acetyl oximes and internal alkynes by Cu-Rh bimetallic relay catalysts. <i>Journal of Organic Chemistry</i> , 2011 , 76, 6159-68	4.2	211
1648	Ruthenium-catalyzed oxidative vinylation of heteroarene carboxylic acids with alkenes via regioselective C-H bond cleavage. <i>Organic Letters</i> , 2011 , 13, 706-8	6.2	259
1647	Copper-catalyzed aerobic oxidative intramolecular alkene C-H amination leading to N-heterocycles. <i>Organic Letters</i> , 2011 , 13, 3694-7	6.2	71
1646	Autocatalytic O ₂ cleavage by an OCO ₃ trianionic pincer Cr(III) complex: isolation and characterization of the autocatalytic intermediate [Cr(IV)] ₂ (EO) dimer. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13661-73	16.4	36

1645	Silanol: a traceless directing group for Pd-catalyzed o-alkenylation of phenols. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12406-9	16.4	225
1644	Rhodium-catalyzed selective olefination of arene esters via C-H bond activation. <i>Organic Letters</i> , 2011 , 13, 2372-5	6.2	289
1643	Molecular complexity via C-H activation: a dehydrogenative Diels-Alder reaction. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14892-5	16.4	125
1642	Copper-catalyzed direct sulfoximation of azoles and polyfluoroarenes under ambient conditions. <i>Organic Letters</i> , 2011 , 13, 359-61	6.2	160
1641	Synthesis of quinolines via Rh(III)-catalyzed oxidative annulation of pyridines. <i>Journal of Organic Chemistry</i> , 2011 , 76, 7583-9	4.2	132
1640	Synthesis of 1-aminoisoquinolines via Rh(III)-catalyzed oxidative coupling. <i>Organic Letters</i> , 2011 , 13, 4636-9	6.2	168
1639	An Improved Catalyst Architecture for Rhodium (III) Catalyzed C-H Activation and its Application to Pyridone Synthesis. 2011 , 2, 1606-1610		196
1638	Pyridine synthesis from oximes and alkynes via rhodium(III) catalysis: Cp* and Cp(t) provide complementary selectivity. 2011 , 47, 11846-8		334
1637	Rhodium(III)-catalyzed arylation of Boc-imines via C-H bond functionalization. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1248-50	16.4	274
1636	Synthesis of highly substituted acenes through rhodium-catalyzed oxidative coupling of arylboron reagents with alkynes. <i>Journal of Organic Chemistry</i> , 2011 , 76, 2867-74	4.2	100
1635	Rh(III)-catalyzed oxidative olefination of N-(1-naphthyl)sulfonamides using activated and unactivated alkenes. <i>Organic Letters</i> , 2011 , 13, 5808-11	6.2	92
1634	Ruthenium-catalyzed oxidative synthesis of 2-pyridones through C-H/N-H bond functionalizations. <i>Organic Letters</i> , 2011 , 13, 3278-81	6.2	177
1633	Investigating N-methoxy-N'-aryl ureas in oxidative C-H olefination reactions: an unexpected oxidation behaviour. 2011 , 9, 4736-40		63
1632	Rh(III)-catalyzed oxidative coupling of unactivated alkenes via C-H activation. <i>Organic Letters</i> , 2011 , 13, 540-2	6.2	260
1631	Ruthenium-catalyzed C-H/N-O bond functionalization: green isoquinolone syntheses in water. <i>Organic Letters</i> , 2011 , 13, 6548-51	6.2	317
1630	Ruthenium diacetate-catalysed oxidative alkenylation of C-H bonds in air: synthesis of alkenyl N-arylpyrazoles. 2011 , 13, 3075		129
1629	Cobalt-catalyzed, room-temperature addition of aromatic imines to alkynes via directed C-H bond activation. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17283-95	16.4	197
1628	Carboxylate-assisted ruthenium-catalyzed direct alkylations of ketimines. <i>Organic Letters</i> , 2011 , 13, 1875-7	6.2	179

1627	Carboxylate-assisted transition-metal-catalyzed C-H bond functionalizations: mechanism and scope. <i>Chemical Reviews</i> , 2011 , 111, 1315-45	68.1	2825
1626	Expedient synthesis of N-acyl anthranilamides and β -enamine amides by the Rh(III)-catalyzed amidation of aryl and vinyl C-H bonds with isocyanates. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11430-3	16.4	270
1625	Rhodium(III)-catalyzed heterocycle synthesis using an internal oxidant: improved reactivity and mechanistic studies. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6449-57	16.4	779
1624	Aerobic Pd-catalyzed sp ³ C-H olefination: a route to both N-heterocyclic scaffolds and alkenes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6541-4	16.4	214
1623	Ruthenium-catalyzed para-selective oxidative cross-coupling of arenes and cycloalkanes. <i>Organic Letters</i> , 2011 , 13, 4977-9	6.2	110
1622	Synthesis of Isoquinolines via Rhodium(III)-Catalyzed Dehydrative C-C and C-N Coupling between Oximes and Alkynes. 2011 , 353, 719-723		216
1621	The Pyridyldiisopropylsilyl Group: A Masked Functionality and Directing Group for Monoselective -Acyloxylation and -Halogenation Reactions of Arenes. 2011 , 353, 1285		64
1620	The Vinyl Moiety as a Handle for Regiocontrol in the Preparation of Unsymmetrical 2,3-Aliphatic-Substituted Indoles and Pyrroles. 2011 , 123, 1374-1377		134
1619	Rhodium-Catalyzed Direct Addition of Aryl C-H Bonds to N-Sulfonyl Aldimines. 2011 , 123, 2163-2167		85
1618	Regioselective Synthesis of Indenols by Rhodium-Catalyzed C-H Activation and Carbocyclization of Aryl Ketones and Alkynes. 2011 , 123, 4255-4258		99
1617	Ruthenium-Catalyzed Oxidative Annulation by Cleavage of C-H/N-H Bonds. 2011 , 123, 6503-6506		143
1616	Kupferkatalysierte aerobe oxidative C-H-Funktionalisierungen: Trends und Erkenntnisse zum Mechanismus. 2011 , 123, 11256-11283		291
1615	Synthesis of Functionalized Polycyclic Compounds: Rhodium(I)-Catalyzed Intramolecular Cycloaddition of Yne and Ene Vinylidenecyclopropanes. 2011 , 123, 12233-12237		10
1614	Catalytic [2+2+1] Cross-Cyclotrimerization of Silylacetylenes and Two Alkynyl Esters To Produce Substituted Silylfulvenes. 2011 , 123, 11109-11113		44
1613	PdII-Catalyzed C-H Olefination of N-(2-Pyridyl)sulfonyl Anilines and Arylalkylamines. 2011 , 123, 11119-11123		33
1612	Enantioselective Rhodium(I)-Catalyzed [3+2] Annulations of Aromatic Ketimines Induced by Directed C-H Activations. 2011 , 123, 11294-11298		70
1611	The vinyl moiety as a handle for regiocontrol in the preparation of unsymmetrical 2,3-aliphatic-substituted indoles and pyrroles. 2011 , 50, 1338-41		318
1610	Rhodium-catalyzed direct addition of aryl C-H bonds to N-sulfonyl aldimines. 2011 , 50, 2115-9		248

1609	Regioselective synthesis of indenols by rhodium-catalyzed C-H activation and carbocyclization of aryl ketones and alkynes. 2011 , 50, 4169-72		257
1608	Ruthenium-catalyzed oxidative annulation by cleavage of C-H/N-H bonds. 2011 , 50, 6379-82		410
1607	Copper-catalyzed aerobic oxidative C-H functionalizations: trends and mechanistic insights. 2011 , 50, 11062-87		1118
1606	Synthesis of functionalized polycyclic compounds: rhodium(I)-catalyzed intramolecular cycloaddition of yne and ene vinylidenecyclopropanes. 2011 , 50, 12027-31		37
1605	Catalytic [2+2+1] cross-cyclotrimerization of silylacetylenes and two alkynyl esters to produce substituted silylfulvenes. 2011 , 50, 10917-21		117
1604	Pd(II)-catalyzed C-H olefination of N-(2-pyridyl)sulfonyl anilines and arylalkylamines. 2011 , 50, 10927-31		120
1603	Enantioselective rhodium(I)-catalyzed [3+2] annulations of aromatic ketimines induced by directed C-H activations. 2011 , 50, 11098-102		177
1602	Rh(III)-catalyzed oxidative olefination of vinylic C-H bonds: efficient and selective access to di-unsaturated β -amino acid derivatives and other linear 1,3-butadienes. <i>Chemistry - A European Journal</i> , 2011 , 17, 7167-71	4.8	192
1601	Ruthenium-catalyzed isoquinolone synthesis through C-H activation using an oxidizing directing group. <i>Chemistry - A European Journal</i> , 2011 , 17, 12573-7	4.8	272
1600	Rhodium-catalyzed annulation of N-benzoylsulfonamide with isocyanide through C-H activation. <i>Chemistry - A European Journal</i> , 2011 , 17, 12591-5	4.8	138
1599	ChemInform Abstract: Oxidative Coupling of Aromatic Substrates with Alkynes and Alkenes under Rhodium Catalysis. 2011 , 42, no-no		
1598	Copper-catalyzed CuAAC/intramolecular C-H arylation sequence: Synthesis of annulated 1,2,3-triazoles. 2012 , 8, 1771-7		51
1597	Palladium catalyzed coupling of tosylhydrazones with aryl and heteroaryl halides in the absence of external ligands: synthesis of substituted olefins. <i>Journal of Organic Chemistry</i> , 2012 , 77, 11027-33	4.2	33
1596	Mechanism of the rhodium(III)-catalyzed arylation of imines via C-H bond functionalization: inhibition by substrate. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1482-5	16.4	157
1595	Rhodium(III)-catalyzed direct oxidative cross coupling at the C5 position of chromones with alkenes. <i>Organic Letters</i> , 2012 , 14, 6108-11	6.2	35
1594	Ruthenium- and sulfonamide-catalyzed cyclization between N-sulfonyl imines and alkynes. <i>Organic Letters</i> , 2012 , 14, 5506-9	6.2	114
1593	Copper-catalyzed C-H azidation of anilines under mild conditions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18924-7	16.4	228
1592	Rhodium(III)- and ruthenium(II)-catalyzed olefination of isoquinolones. <i>Organic Letters</i> , 2012 , 14, 4166-9	6.2	88

1591	Mild Rh(III)-catalyzed C-H activation and annulation with alkyne MIDA boronates: short, efficient synthesis of heterocyclic boronic acid derivatives. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19592-5	16.4	340
1590	Highly diastereoselective synthesis of tetrahydropyridines by a C-H activation-cyclization-reduction cascade. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4064-7	16.4	106
1589	Triazoles from N-Alkynylheterocycles and Their Coordination to Iridium. 2012 , 31, 1112-1117		11
1588	Ruthenium(II)-catalyzed synthesis of hydroxylated arenes with ester as an effective directing group. <i>Organic Letters</i> , 2012 , 14, 2874-7	6.2	123
1587	Versatile synthesis of isocoumarins and β -pyrones by ruthenium-catalyzed oxidative C-H/O-H bond cleavages. <i>Organic Letters</i> , 2012 , 14, 930-3	6.2	235
1586	Ruthenium-catalyzed alkyne annulations with substituted 1H-pyrazoles by C-H/N-H bond functionalizations. <i>Organic Letters</i> , 2012 , 14, 6318-21	6.2	79
1585	Ruthenium-catalyzed C-H bond oxygenations with weakly coordinating ketones. <i>Organic Letters</i> , 2012 , 14, 6206-9	6.2	118
1584	Functionalization of Csp ³ -H and Csp ² -H bonds: synthesis of spiroindenes by enolate-directed ruthenium-catalyzed oxidative annulation of alkynes with 2-aryl-1,3-dicarbonyl compounds. 2012 , 51, 12115-9		115
1583	Rhodium(III) und Hexabrombenzol β in Katalysatorsystem zur gekreuzten dehydrierenden Kupplung einfacher Arene und Heterocyclen mit Arenen mit dirigierenden Gruppen. 2012 , 124, 13175-13180		57
1582	Diverse Reactivity in a Rhodium(III)-Catalyzed Oxidative Coupling of N-Allyl Arenesulfonamides with Alkynes. 2012 , 124, 12514-12518		40
1581	Functionalization of C ² -H and C ³ -H Bonds: Synthesis of Spiroindenes by Enolate-Directed Ruthenium-Catalyzed Oxidative Annulation of Alkynes with 2-Aryl-1,3-dicarbonyl Compounds. 2012 , 124, 12281-12285		46
1580	Rhodium(III)-Catalyzed Oxidative C ² -H Functionalization of Azomethine Ylides. 2012 , 124, 11989-11993		30
1579	Rhodium(III) and hexabromobenzene-a catalyst system for the cross-dehydrogenative coupling of simple arenes and heterocycles with arenes bearing directing groups. 2012 , 51, 13001-5		180
1578	Diverse reactivity in a rhodium(III)-catalyzed oxidative coupling of N-allyl arenesulfonamides with alkynes. 2012 , 51, 12348-52		90
1577	Rh-catalyzed C-C cleavage of benzyl/allylic alcohols to produce benzyl/allylic amines or other alcohols by nucleophilic addition of intermediate rhodacycles to aldehydes and imines. <i>Chemistry - A European Journal</i> , 2012 , 18, 16214-25	4.8	48
1576	Copper- and phosphine-ligand-free palladium-catalyzed direct allylation of electron-deficient polyfluoroarenes with allylic chlorides. <i>Chemistry - A European Journal</i> , 2012 , 18, 14643-8	4.8	65
1575	Rhodium(III)-catalyzed oxidative mono- and di-olefination of isonicotinamides. 2012 , 10, 5521-4		42
1574	Mechanistic understanding of Rh-catalyzed N-sulfonylaldimine insertion into aryl C-H bonds. 2012 , 3, 1634		123

1573	A concise access to (polyfluoroaryl)allenes by Cu-catalyzed direct coupling with propargyl phosphates. <i>Organic Letters</i> , 2012 , 14, 2586-9	6.2	33
1572	Olefinic C-H bond addition to aryl aldehyde and its N-sulfonylimine via Rh catalysis. <i>Organic Letters</i> , 2012 , 14, 4498-501	6.2	96
1571	N-Directing group assisted rhodium-catalyzed aryl C-H addition to aryl aldehydes. <i>Organic Letters</i> , 2012 , 14, 636-9	6.2	129
1570	Pd-catalyzed olefination of furans and thiophenes with allyl esters. <i>Organic Letters</i> , 2012 , 14, 226-9	6.2	86
1569	Ru(II)-catalyzed amidation of 2-arylpyridines with isocyanates via C-H activation. <i>Organic Letters</i> , 2012 , 14, 4262-5	6.2	116
1568	Iron-catalyzed annulation reaction of arylindium reagents and alkynes to produce substituted naphthalenes. 2012 , 68, 5167-5171		35
1567	Ruthenium(II)-catalyzed C-H bond activation and functionalization. <i>Chemical Reviews</i> , 2012 , 112, 5879-9168.1		2254
1566	Ruthenium(II)-catalyzed regio- and stereoselective hydroarylation of alkynes via directed C-H functionalization. <i>Organic Letters</i> , 2012 , 14, 2058-61	6.2	123
1565	Cobalt-catalyzed arylation of aldimines via directed C-H bond functionalization: addition of 2-arylpyridines and self-coupling of aromatic aldimines. 2012 , 48, 4305-7		109
1564	Cationic ruthenium catalysts for alkyne annulations with oximes by C-H/N-O functionalizations. <i>Journal of Organic Chemistry</i> , 2012 , 77, 9190-8	4.2	148
1563	Rhodium-catalyzed cascade oxidative annulation leading to substituted naphtho[1,8-bc]pyrans by sequential cleavage of C(sp ²)-H/C(sp ³)-H and C(sp ²)-H/O-H bonds. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16163-6	16.4	241
1562	Rhodium(III)-catalyzed intermolecular direct amination of aromatic C-H bonds with N-chloroamines. <i>Organic Letters</i> , 2012 , 14, 272-5	6.2	195
1561	Ruthenium-catalyzed oxidative C-H alkenylation of aryl carbamates. 2012 , 48, 11343-5		80
1560	Palladium-catalyzed alkenylation and alkynylation of ortho-C(sp ²)-H bonds of benzylamine picolinamides. <i>Organic Letters</i> , 2012 , 14, 2948-51	6.2	84
1559	Rhodium-catalyzed regioselective amidation of indoles with sulfonyl azides via C-H bond activation. 2012 , 10, 8953-5		119
1558	Rhodium(III)-catalyzed oxidative C-H functionalization of azomethine ylides. 2012 , 51, 11819-23		115
1557	Cross-dehydrogenative coupling between enamino esters and ketones: synthesis of tetrasubstituted pyrroles. <i>Organic Letters</i> , 2012 , 14, 1412-5	6.2	63
1556	Ohne dirigierende Gruppen: Bergangsmetallkatalysierte C-H-Aktivierung einfacher Arene. 2012 , 124, 10382-10401		452

1555	Rhodium(III)-Catalyzed Intramolecular Annulation through C-H Activation: Total Synthesis of (E)-Antofine, (E)-Septicine, (E)-Tylophorine, and Rosettacin. 2012 , 124, 9506-9510		90
1554	Access to Sultams by Rhodium(III)-Catalyzed Directed C-H Activation. 2012 , 124, 10762-10766		64
1553	Beyond directing groups: transition-metal-catalyzed C-H activation of simple arenes. 2012 , 51, 10236-54		1404
1552	Rhodium(III)-catalyzed intramolecular annulation through C-H activation: total synthesis of (E)-antofine, (E)-septicine, (E)-tylophorine, and rosettacin. 2012 , 51, 9372-6		246
1551	Access to sultams by rhodium(III)-catalyzed directed C-H activation. 2012 , 51, 10610-4		185
1550	Cycloruthenated complexes from imine-based heterocycles: synthesis, characterization, and reactivity toward alkynes. <i>Chemistry - A European Journal</i> , 2012 , 18, 15178-89	4.8	26
1549	Palladium-Catalyzed N-Alkylation of Amides and Amines with Alcohols Employing the Aerobic Relay Race Methodology. 2012 , 30, 2322-2332		26
1548	Rhodium(III)-catalyzed allylic C-H bond amination. Synthesis of cyclic amines from α -unsaturated N-sulfonylamines. 2012 , 48, 10745-7		88
1547	C-H Functionalization: A New Strategy for the Synthesis of Biologically Active Natural Products. 2012 , 1-32		8
1546	Pd-catalyzed dehydrogenative cross-coupling of polyfluoroarenes with heteroatom-substituted enones. <i>Organic Letters</i> , 2012 , 14, 1176-9	6.2	72
1545	Ruthenium(II) catalysed synthesis of unsaturated oxazolines via arene C-H bond alkenylation. 2012 , 14, 2706		53
1544	Rhodium-Catalyzed Oxidative ortho-Acylation of Aryl Ketone O-Methyl Oximes with Aryl and Alkyl Aldehydes. 2012 , 354, 2916-2920		76
1543	Ruthenium-catalyzed oxidative C-H alkenylations of anilides and benzamides in water. <i>Organic Letters</i> , 2012 , 14, 728-31	6.2	231
1542	Rh(III)-catalyzed C-H bond activation along with "rollover" for the synthesis of 4-azafluorenes. <i>Organic Letters</i> , 2012 , 14, 5106-9	6.2	58
1541	Cobalt-catalyzed alkyne β -halomethane β -imine coupling: an efficient route for propargylamines. <i>Tetrahedron Letters</i> , 2012 , 53, 6199-6201	2	18
1540	Regioselective synthesis of isocoumarins by ruthenium-catalyzed aerobic oxidative cyclization of aromatic acids with alkynes. 2012 , 48, 2030-2		215
1539	On the selectivity in some Rh(III) catalyzed CH activation cross-couplings. 2012 , 15, 1081-1085		6
1538	Rhodium catalyzed synthesis of isoindolinones via C-H activation of N-benzoylsulfonamides. 2012 , 68, 9192-9199		45

1537	Nucleophilic Aromatic Substitution. 2012 , 175-190		1
1536	Chemoselective Synthesis of Naphthylamides and Isoquinolinones via Rhodium-Catalyzed Oxidative Dehydrogenative Annulation of Benzamides with Alkynes. 2012 , 354, 2695-2700		62
1535	Pd-catalyzed arylation/oxidation of benzylic C-H bond. <i>Organic Letters</i> , 2012 , 14, 1238-41	6.2	76
1534	Biotinylated Rh(III) complexes in engineered streptavidin for accelerated asymmetric C-H activation. 2012 , 338, 500-3		623
1533	Rh-catalyzed intermolecular carbenoid functionalization of aromatic C-H bonds by β -diazomalونات. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13565-8	16.4	405
1532	Palladium-Catalyzed Highly Regioselective Arylation of Allylamines with Thiophenes and Furans. 2012 , 354, 3225-3230		28
1531	High-yielding, versatile, and practical [Rh(III)Cp*]-catalyzed ortho bromination and iodination of arenes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8298-301	16.4	344
1530	C-C, C-O and C-N bond formation via rhodium(III)-catalyzed oxidative C-H activation. <i>Chemical Society Reviews</i> , 2012 , 41, 3651-78	58.5	1969
1529	Copper-catalyzed aerobic oxidative intramolecular C-H amination leading to imidazobenzimidazole derivatives. <i>Organic Letters</i> , 2012 , 14, 452-5	6.2	87
1528	Directly fused highly substituted naphthalenes via Pd-catalyzed dehydrogenative annulation of N,N-dimethylaminomethyl ferrocene using a redox process with a substrate. <i>Organic Letters</i> , 2012 , 14, 3012-5	6.2	63
1527	Rhodium-catalyzed intermolecular amidation of arenes with sulfonyl azides via chelation-assisted C-H bond activation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9110-3	16.4	392
1526	Double-fold C-H oxygenation of arenes using PyrDipSi: a general and efficient traceless/modifiable silicon-tethered directing group. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5528-31	16.4	109
1525	Amide-directed tandem C-C/C-N bond formation through C-H activation. 2012 , 7, 1502-14		239
1524	Rhodium(III)-catalyzed cyclization-olefination of N-acetoxyl ketoimine-alkynes. <i>Organic Letters</i> , 2012 , 14, 3400-3	6.2	50
1523	Rhodium catalyzed C-H olefination of N-benzoylsulfonamides with internal alkenes. 2012 , 48, 1674-6		127
1522	Synthesis of isoquinolines and heterocycle-fused pyridines via three-component cascade reaction of aryl ketones, hydroxylamine, and alkynes. <i>Journal of Organic Chemistry</i> , 2012 , 77, 5794-800	4.2	138
1521	Rhodium-catalyzed synthesis of branched amines by direct addition of benzamides to imines. <i>Organic Letters</i> , 2012 , 14, 2304-7	6.2	91
1520	Rhodium(III)-catalyzed synthesis of phthalides by cascade addition and cyclization of benzimidates with aldehydes. 2012 , 3, 3088-3092		94

1519	Ruthenium-catalyzed highly regioselective cyclization of ketoximes with alkynes by C-H bond activation: a practical route to synthesize substituted isoquinolines. <i>Organic Letters</i> , 2012 , 14, 3032-5	6.2	230
1518	Recent advances in transition-metal catalyzed reactions using molecular oxygen as the oxidant. <i>Chemical Society Reviews</i> , 2012 , 41, 3381-430	58.5	1005
1517	2-Azabicyclo[2.2.1]hept-5-en-3-one: chemical profile of a versatile synthetic building block and its impact on the development of therapeutics. <i>Chemical Reviews</i> , 2012 , 112, 4642-86	68.1	95
1516	Ru(II)-catalyzed C-H bond activation for the synthesis of substituted isoquinolinium salts from benzaldehydes, amines, and alkynes. <i>Organic Letters</i> , 2012 , 14, 3478-81	6.2	127
1515	Ruthenium-catalyzed oxidative C(sp ²)-H bond hydroxylation: site-selective C-O bond formation on benzamides. <i>Organic Letters</i> , 2012 , 14, 4210-3	6.2	104
1514	Oxidative alkenylation of aromatic esters by ruthenium-catalyzed twofold C-H bond cleavages. <i>Organic Letters</i> , 2012 , 14, 4110-3	6.2	125
1513	Synthesis of Olefin-Oxazoline Ligands (OlefoX) by Rhodium(III)-Catalyzed Oxidative Olefination. 2012 , 354, 579-583		44
1512	Functionalizations of Aryl C-H Bonds in 2-Arylpyridines via Sequential Borylation and Copper Catalysis. 2012 , 354, 2211-2217		36
1511	Copper-Catalyzed Aerobic Oxidative Synthesis of 5-Substituted Imidazo/Benzimidazoquinazolinones through Intramolecular C-H Amination. 2012 , 354, 1773-1779		19
1510	[RhIII Cp*]-katalysierte dehydrierende Aryl-Aryl-Bindungsknüpfung. 2012 , 124, 2290-2294		90
1509	Rhodium/Copper-Catalyzed Annulation of Benzimides with Internal Alkynes: Indenone Synthesis through Sequential C-H and C-N Cleavage. 2012 , 124, 4014-4018		98
1508	Milde Rhodium(III)-katalysierte C-H-Aktivierung und intermolekulare Anellierung mit Allenen. 2012 , 124, 7430-7434		109
1507	Synthesis of Fluorene Derivatives through Rhodium-Catalyzed Dehydrogenative Cyclization. 2012 , 124, 5455-5458		58
1506	Rhodium(III)-Catalyzed C-H Activation of Arenes Using a Versatile and Removable Triazene Directing Group. 2012 , 124, 7354-7357		74
1505	Selektive Rhodium(III)-katalysierte gekreuzte dehydrierende Kupplung von Furan- und Thiophenderivaten. 2012 , 124, 8354-8358		57
1504	Rhodium/copper-catalyzed annulation of benzimides with internal alkynes: indenone synthesis through sequential C-H and C-N cleavage. 2012 , 51, 3948-52		280
1503	Mild rhodium(III)-catalyzed C-H activation and intermolecular annulation with allenes. 2012 , 51, 7318-22		310
1502	Synthesis of fluorene derivatives through rhodium-catalyzed dehydrogenative cyclization. 2012 , 51, 5359-62		136

1501	Rhodium(III)-catalyzed dehydrogenative Heck reaction of salicylaldehydes. 2012 , 51, 8092-6		149
1500	Rhodium(III)-catalyzed C-H activation of arenes using a versatile and removable triazene directing group. 2012 , 51, 7242-5		223
1499	Selective rhodium(III)-catalyzed cross-dehydrogenative coupling of furan and thiophene derivatives. 2012 , 51, 8230-4		171
1498	Catalytic arylation of a C-H bond in pyridine and related six-membered N-heteroarenes using organozinc reagents. 2012 , 7, 1357-65		66
1497	Undirected arene and chelate-assisted olefin C-H bond activation: [Rh(III)Cp*]-catalyzed dehydrogenative alkene-arene coupling as a new pathway for the selective synthesis of highly substituted Z olefins. 2012 , 7, 1208-12		66
1496	Synthesis of aza-fused polycyclic quinolines via double C-H bond activation. <i>Chemistry - A European Journal</i> , 2012 , 18, 8896-900	4.8	75
1495	Brønsted acid enhanced rhodium-catalyzed conjugate addition of aryl C-H bonds to α,β -unsaturated ketones under mild conditions. <i>Chemistry - A European Journal</i> , 2012 , 18, 9511-5	4.8	85
1494	Pd-catalyzed modifiable silanol-directed aromatic C-H oxygenation. <i>Chemistry - A European Journal</i> , 2012 , 18, 9789-92	4.8	40
1493	Hydroxyl-directed ruthenium-catalyzed C-H bond functionalization: versatile access to fluorescent pyrans. <i>Organic Letters</i> , 2012 , 14, 3416-9	6.2	141
1492	Copper-catalyzed decarboxylative alkenylation of sp ³ C-H bonds with cinnamic acids via a radical process. 2012 , 3, 2853		187
1491	Activation of remote meta-C-H bonds assisted by an end-on template. 2012 , 486, 518-22		663
1490	Rhodium catalyzed chelation-assisted C-H bond functionalization reactions. 2012 , 45, 814-25		1234
1489	Ruthenium-catalyzed aerobic oxidative coupling of alkynes with 2-aryl-substituted pyrroles. 2012 , 3, 177-180		168
1488	Rh(III) Pyridinium Substituted Bipyridine Complexes as Catalysts for Arene H/D Exchange. 2012 , 55, 565-570		12
1487	Copper-catalyzed one-pot synthesis of imidazo/benzoimidazoquinazolinones by sequential Ullmann-type coupling and intramolecular C-H amidation. <i>Chemistry - A European Journal</i> , 2012 , 18, 1180-6	4.8	67
1486	One-Pot Synthesis of Isoquinolinium Salts by Rhodium-Catalyzed C-H Bond Activation: Application to the Total Synthesis of Oxycelerythrine. 2012 , 124, 201-204		86
1485	One-pot synthesis of isoquinolinium salts by rhodium-catalyzed C-H bond activation: application to the total synthesis of oxycelerythrine. 2012 , 51, 197-200		240
1484	[Rh(III)Cp*]-catalyzed dehydrogenative aryl-aryl bond formation. 2012 , 51, 2247-51		226

1483	Purinyl N1-directed aromatic C-H oxidation in 6-arylpurines and 6-arylpurine nucleosides. <i>Journal of Organic Chemistry</i> , 2013 , 78, 7423-35	4.2	41
1482	Catalyst-controlled divergent C-H functionalization of unsymmetrical 2-aryl cyclic 1,3-dicarbonyl compounds with alkynes and alkenes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10829-36	16.4	143
1481	Copper-catalyzed dehydrogenative coupling of arenes with alcohols. 2013 , 52, 9279-83		76
1480	Rhodium(III)-catalyzed vinylic sp ² C-H bond functionalization: efficient synthesis of pyrido[1,2- <i>b</i>]benzimidazoles and imidazo[1,2- <i>b</i>]pyridines. 2013 , 11, 6142-9		30
1479	A regioselective synthesis of 1-haloisoquinolines via ruthenium-catalyzed cyclization of O-methylbenzohydroximoyl halides with alkynes. 2013 , 49, 3703-5		60
1478	Ruthenium-catalyzed ortho-alkenylation of phenylphosphine oxides through regio- and stereoselective alkyne insertion into C-H bonds. <i>Journal of Organic Chemistry</i> , 2013 , 78, 8098-104	4.2	71
1477	C ^{II} Metalation Reaction of Diarylamine and Carbazole by Alkylaluminum Complexes at the Heteroatom-Bridged Dimeric Aluminum Core. 2013 , 2013, 3821-3825		4
1476	Rhodium(III)-catalyzed coupling of arenes with 7-oxa/azabenzonorbornadienes by C-H activation. 2013 , 52, 8995-9000		126
1475	Cobalt-catalyzed C-H bond functionalizations with aryl and alkyl chlorides. <i>Chemistry - A European Journal</i> , 2013 , 19, 10605-10	4.8	154
1474	Unexpected Formation of Ferrocenyl(vinyl)benzoquinoline Ligands by Oxidation of an Alkyne Benzoquinolate Platinum(II) Complex. 2013 , 32, 3943-3953		13
1473	Benzofuran synthesis via copper-mediated oxidative annulation of phenols and unactivated internal alkynes. 2013 , 4, 3706		130
1472	Rhodium-catalyzed directed C-H cyanation of arenes with N-cyano-N-phenyl-p-toluenesulfonamide. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10630-3	16.4	211
1471	Rh(III)-catalyzed dehydrogenative alkylation of (hetero)arenes with allylic alcohols, allowing aldol condensation to indenes. 2013 , 49, 6489-91		109
1470	Rhodium-catalyzed oxidative cyclization of arylphosphonic acid monoethyl esters with alkenes: efficient synthesis of benzoxaphosphole 1-oxides. <i>Organic Letters</i> , 2013 , 15, 3986-9	6.2	67
1469	Ruthenium-catalyzed regioselective C-H alkenylation directed by a free amino group. <i>Organic Letters</i> , 2013 , 15, 3990-3	6.2	77
1468	Employing a robustness screen: rapid assessment of rhodium(III)-catalysed C ^{II} activation reactions. 2013 , 69, 7817-7825		60
1467	Three-bond breaking of cyclic anhydrides: easy access to polyfunctionalized naphthalenes and phenanthrenes. <i>Organic Letters</i> , 2013 , 15, 3816-9	6.2	32
1466	Rh(III)-catalyzed halogenation of vinylic C-H Bonds: rapid and general access to Z-halo acrylamides. <i>Organic Letters</i> , 2013 , 15, 3860-3	6.2	105

1465	Rh(III)-catalyzed synthesis of multisubstituted isoquinoline and pyridine N-oxides from oximes and diazo compounds. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12204-7	16.4	376
1464	Rh(III)-catalyzed C \equiv N activation/[4 + 3] cycloaddition of benzamides and vinylcarbenoids: facile synthesis of azepinones. 2013 , 4, 3912		238
1463	Rh(III)-catalyzed tandem C-H allylation and oxidative cyclization of anilides: a new entry to indoles. <i>Organic Letters</i> , 2013 , 15, 4576-9	6.2	71
1462	Effect of Solvent and Ancillary Ligands on the Catalytic H/D Exchange Reactivity of Cp*Ir(III)(L) Complexes. 2013 , 3, 2304-2310		39
1461	Rhodium-Catalyzed ortho Acylation of Aromatic Carboxylic Acids. 2013 , 125, 6836-6840		25
1460	Carboxylate-Assisted Ruthenium(II)-Catalyzed Hydroarylations of Unactivated Alkenes through C \equiv N Cleavage. 2013 , 125, 4069-4072		42
1459	Copper-catalyzed aerobic oxidative C-H and C-C functionalization of 1-[2-(arylamino)aryl]ethanones leading to acridone derivatives. <i>Chemistry - A European Journal</i> , 2013 , 19, 4271-7	4.8	40
1458	Atropodistereoselective C \equiv H Olefination of Biphenyl p-Tolyl Sulfoxides with Acrylates. 2013 , 355, 2139-2144		120
1457	Phosphoryl-related directing groups in rhodium(III) catalysis: a general strategy to diverse P-containing frameworks. <i>Organic Letters</i> , 2013 , 15, 4504-7	6.2	120
1456	Ruthenium(II)-catalyzed C-H alkenylations of phenols with removable directing groups. <i>Chemistry - A European Journal</i> , 2013 , 19, 13925-8	4.8	88
1455	Copper-Catalyzed Dehydrogenative Coupling of Arenes with Alcohols. 2013 , 125, 9449-9453		17
1454	A convenient synthesis of quinolinizinium salts through Rh(III) or Ru(II)-catalyzed C-H bond activation of 2-alkenylpyridines. 2013 , 49, 8528-30		66
1453	Facile synthesis of unsymmetrical acridines and phenazines by a Rh(III)-catalyzed amination/cyclization/aromatization cascade. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12548-51	16.4	163
1452	Carboxylate assistance for catalyzed hydroarylations of methylenecyclopropanes. <i>Organic Letters</i> , 2013 , 15, 4482-4	6.2	49
1451	Rhodium(III)-catalyzed ortho-olefination of aryl phosphonates. 2013 , 11, 6879-82		30
1450	Rhodium(III)-catalyzed ring-opening of strained olefins through C \equiv N activation of O-acetyl ketoximes: an efficient synthesis of trans-functionalized cyclopentenes and spiro[2.4]heptenes. <i>Tetrahedron Letters</i> , 2013 , 54, 7127-7131	2	10
1449	C \equiv N Bond Alkenylation. 2013 , 1389-1426		
1448	Rhodium(III)-catalyzed intramolecular hydroarylation, amidoarylation, and Heck-type reaction: three distinct pathways determined by an amide directing group. 2013 , 52, 14181-5		138

1447	One-pot synthesis of 3-alkylidene-phthalides from benzoic acids by a rhodium-catalyzed ortho-C-H acylation process. <i>Chemistry - A European Journal</i> , 2013 , 19, 17287-90	4.8	30
1446	Cyclopalladation and reactivity of amino esters through C-H bond activation: experimental, kinetic, and density functional theory mechanistic studies. <i>Chemistry - A European Journal</i> , 2013 , 19, 17398-412	4.8	30
1445	General and Efficient Synthesis of Indoles through Triazene-Directed C-H Annulation. 2013 , 125, 5907-5910		57
1444	An approach to benzophosphole oxides through silver- or manganese-mediated dehydrogenative annulation involving C-C and C-P bond formation. 2013 , 52, 12975-9		168
1443	Rhodium catalyzed cyanation of chelation assisted C-H bonds. <i>Organic Letters</i> , 2013 , 15, 4960-3	6.2	119
1442	Formal meta-specific intramolecular Friedel-Crafts allylic alkylation of phenols through a spirocyclization-dienone-phenol rearrangement cascade. 2013 , 69, 9609-9615		12
1441	Thioether-promoted direct olefination of polyfluoroarenes catalyzed by palladium. <i>Organic Letters</i> , 2013 , 15, 5266-9	6.2	31
1440	Palladium-catalyzed direct alkenylation of 2-oxazolones: an entry to 3,4,5-trisubstituted 2-oxazolones. <i>Journal of Organic Chemistry</i> , 2013 , 78, 10894-901	4.2	12
1439	[3]Dendralene synthesis: rhodium(III)-catalyzed alkenyl C-H activation and coupling reaction with allenyl carbinol carbonate. 2013 , 52, 12430-4		137
1438	Rhodium(III)-amine dual catalysis for the oxidative coupling of aldehydes by directed C-H activation: synthesis of phthalides. <i>Organic Letters</i> , 2013 , 15, 5166-9	6.2	79
1437	Traceless directing strategy: efficient synthesis of N-alkyl indoles via redox-neutral C-H activation. <i>Organic Letters</i> , 2013 , 15, 5294-7	6.2	176
1436	Synthesis of isoquinolines via Rh(III)-catalyzed C-H activation using hydrazone as a new oxidizing directing group. <i>Organic Letters</i> , 2013 , 15, 5750-3	6.2	150
1435	Rh(III)-catalyzed coupling of benzamides with propargyl alcohols via hydroarylation-lactonization. <i>Organic Letters</i> , 2013 , 15, 6290-3	6.2	58
1434	Rh(III)-catalyzed olefination of N-sulfonyl imines: synthesis of ortho-olefinated benzaldehydes. <i>Organic Letters</i> , 2013 , 15, 6294-7	6.2	52
1433	Copper-mediated dehydrogenative biaryl coupling of naphthylamines and 1,3-azoles. <i>Journal of Organic Chemistry</i> , 2013 , 78, 11045-52	4.2	102
1432	Rhodium-catalyzed oxidative annulation of sulfoximines and alkynes as an approach to 1,2-benzothiazines. 2013 , 52, 11573-6		172
1431	Indole synthesis by rhodium(III)-catalyzed hydrazine-directed C-H activation: redox-neutral and traceless by N-N bond cleavage. 2013 , 52, 12426-9		311
1430	Indolsynthese durch Rhodium(III)-katalysierte Hydrazin-dirigierte C-H-Aktivierung: redoxneutral und spurlos durch N-N-Bindungsspaltung. 2013 , 125, 12652-12656		105

1429	Asymmetric C(sp ²) -H activation. <i>Chemistry - A European Journal</i> , 2013 , 19, 14010-7	4.8	191
1428	MnO ₂ promoted sequential C-O and C-N bond formation via C-H activation of methylarenes: a new approach to amides. <i>Organic Letters</i> , 2013 , 15, 4908-11	6.2	91
1427	Rhodium(III)-catalyzed azidation and nitration of arenes by C-H activation. 2013 , 52, 11862-6		159
1426	Rhodium(III)-catalyzed intermolecular N-chelator-directed aromatic C-H amidation with amides. <i>Organic Letters</i> , 2013 , 15, 5106-9	6.2	105
1425	Rh(III) -catalyzed C-H activation: a versatile route towards various polycyclic pyridinium salts. <i>Chemistry - A European Journal</i> , 2013 , 19, 14181-6	4.8	81
1424	Palladium catalyzed dehydrogenative arylation of coumarins: an unexpected switch in regioselectivity. 2013 , 49, 10935-7		47
1423	Mild rhodium(I) catalyzed ring opening of cyclopropane appended spirotricyclic olefins through C _H activation of arylboronic acids. 2013 , 3, 19933		10
1422	1,4-Metal migration in a Cp*Rh(III) complex. 2013 , 49, 11104-6		35
1421	Chelation-assisted Rh(III)-catalyzed C2-selective oxidative C _H /C _H cross-coupling of indoles/pyrroles with heteroarenes. 2013 , 4, 1964		123
1420	Rhodium or Ruthenium-Catalyzed Oxidative C [?] H/C [?] H Cross-Coupling: Direct Access to Extended EConjugated Systems. 2013 , 125, 608-612		62
1419	Regioselective C-H bond cleavage/alkyne insertion under ruthenium catalysis. <i>Journal of Organic Chemistry</i> , 2013 , 78, 638-46	4.2	71
1418	Palladium-catalyzed C-H activation/cross-coupling of pyridine N-oxides with nonactivated secondary alkyl bromides. <i>Journal of the American Chemical Society</i> , 2013 , 135, 616-9	16.4	223
1417	Copper-catalyzed intramolecular oxidative C-H functionalization and C-N formation of 2-aminobenzophenones: unusual pseudo-1,2-shift of the substituent on the aryl ring. <i>Chemistry - A European Journal</i> , 2013 , 19, 460-4	4.8	56
1416	Direct arylation of phenanthroline derivatives via oxidative C-H/C-H cross-coupling: synthesis and discovery of excellent ligands. 2013 , 11, 1290-3		20
1415	Synthesis of benzopyrans by Pd(II)- or Ru(II)-catalyzed C-H alkenylation of 2-aryl-3-hydroxy-2-cyclohexenones. <i>Organic Letters</i> , 2013 , 15, 570-3	6.2	50
1414	Mn-catalyzed aromatic C-H alkenylation with terminal alkynes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1264-7	16.4	250
1413	Toward polynuclear Ru-Cu catalytic dehydrogenative C-N bond formation, on the reactivity of carbazoles. <i>Organic Letters</i> , 2013 , 15, 164-7	6.2	77
1412	Versatile pyrrole synthesis through ruthenium(II)-catalyzed alkene C-H bond functionalization on enamines. <i>Organic Letters</i> , 2013 , 15, 176-9	6.2	158

1411	Ruthenium-catalyzed C-H/O-H and C-H/N-H bond functionalizations: oxidative annulations of cyclopropyl-substituted alkynes. 2013 , 11, 142-8		101
1410	Synthesis of fluorenones via quaternary ammonium salt-promoted intramolecular dehydrogenative arylation of aldehydes. 2013 , 4, 829-833		149
1409	A cationic high-valent Cp*Co(III) complex for the catalytic generation of nucleophilic organometallic species: directed C-H bond activation. 2013 , 52, 2207-11		369
1408	Palladium-Catalyzed Oxidative Cycloaddition through C-H/N-H Activation: Access to Benzazepines. 2013 , 125, 1812-1816		34
1407	Rhodium(III)-Catalyzed Alkenyl C-H Bond Functionalization: Convergent Synthesis of Furans and Pyrroles. 2013 , 125, 657-661		45
1406	Rhodium or ruthenium-catalyzed oxidative C-H/C-H cross-coupling: direct access to extended π -conjugated systems. 2013 , 52, 580-4		169
1405	Rhodium(III)-catalyzed alkenyl C-H bond functionalization: convergent synthesis of furans and pyrroles. 2013 , 52, 629-33		154
1404	Investigation and comparison of the mechanistic steps in the [(Cp*MCl ₂) ₂] (Cp* = C ₅ Me ₅ ; M = Rh, Ir)-catalyzed oxidative annulation of isoquinolones with alkynes. <i>Chemistry - A European Journal</i> , 2013 , 19, 358-64	4.8	69
1403	Rhodium- and iridium-catalyzed dehydrogenative cyclization through double C-H bond cleavages to produce fluorene derivatives. <i>Journal of Organic Chemistry</i> , 2013 , 78, 1365-70	4.2	91
1402	Rh(III)-catalyzed oxidative synthesis of pyrazoles from azomethines and acrylamides. 2013 , 34, 679-683		6
1401	Rhodium(III)-catalyzed C-C coupling between arenes and aziridines by C-H activation. 2013 , 52, 2577-80		130
1400	Carboxylate-assisted ruthenium(II)-catalyzed C-H arylations of 5-aryl tetrazoles: step-economical access to Valsartan. 2013 , 69, 4445-4453		43
1399	Complementary regioselectivity in Rh(III)-catalyzed insertions of potassium vinyltrifluoroborate via C-H activation: preparation and use of 4-trifluoroboratotetrahydroisoquinolones. <i>Organic Letters</i> , 2013 , 15, 1528-31	6.2	88
1398	Rhodium(III)-catalyzed amidation of aryl ketone O-methyl oximes with isocyanates by C-H activation: convergent synthesis of 3-methyleneisoindolin-1-ones. <i>Chemistry - A European Journal</i> , 2013 , 19, 4701-6	4.8	107
1397	Unstabilized azomethine ylides for the stereoselective synthesis of substituted piperidines, tropanes, and azabicyclo[3.1.0] systems. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2478-81	16.4	41
1396	Synthesis of isoquinuclidines from highly substituted dihydropyridines via the Diels-Alder reaction. <i>Organic Letters</i> , 2013 , 15, 444-7	6.2	36
1395	Re/Mg bimetallic tandem catalysis for [4+2] annulation of benzamides and alkynes via C-H/N-H functionalization. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4628-31	16.4	87
1394	Broadening the catalyst and reaction scope of regio- and chemoselective C-H oxygenation: a convenient and scalable approach to 2-acylphenols by intriguing Rh(II) and Ru(II) catalysis. 2013 , 11, 2318-22		52

1393	Carboxylate-assisted ruthenium(II)-catalyzed hydroarylations of unactivated alkenes through C-H cleavage. 2013 , 52, 3977-80		139
1392	Achieving enantioselectivity with chiral cyclopentadienylrhodium complexes. 2013 , 52, 3317-9		10
1391	Metal-Catalyzed C \equiv H Bond Activation and C \equiv C Bond Formation in Water. 2013 , 47-86		6
1390	Synthesis of aryl ethers from benzoates through carboxylate-directed C-H-activating alkoxylation with concomitant protodecarboxylation. 2013 , 52, 2959-62		139
1389	Synthesis of imidazo and benzimidazo[2,1-a]isoquinolines by rhodium-catalyzed intramolecular double C-H bond activation. 2013 , 11, 2249-53		41
1388	Copper-catalyzed aromatic C-H bond halogenation with lithium halides under aerobic conditions. 2013 , 11, 2756-60		68
1387	sp ² C-H bond activation in water and catalytic cross-coupling reactions. <i>Chemical Society Reviews</i> , 2013 , 42, 5744-67	58.5	467
1386	Rhodium(III)-catalyzed direct selective C(5)-H oxidative annulations of 2-substituted imidazoles and alkynes by double C-H activation. <i>Organic Letters</i> , 2013 , 15, 1878-81	6.2	88
1385	A copper-catalyzed synthesis of 3-arylindoles via a sp ³ C-H bond activation followed by C-C and C-O bond formation. <i>Organic Letters</i> , 2013 , 15, 1802-5	6.2	94
1384	meta-Selective C-H bond alkylation with secondary alkyl halides. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5877-84	16.4	367
1383	Cobalt-catalyzed ortho-alkenylation of aromatic aldimines via chelation-assisted C \equiv H bond activation. 2013 , 69, 4459-4465		30
1382	C(sp ³)-H bond arylations catalyzed by well-defined [Ru(O ₂ CMes) ₂ (p-cymene)]. <i>Journal of Organic Chemistry</i> , 2013 , 78, 4145-52	4.2	39
1381	Rh(III)-catalyzed addition of alkenyl C-H bond to isocyanates and intramolecular cyclization: direct synthesis 5-ylidenepyrrol-2(5H)-ones. <i>Organic Letters</i> , 2013 , 15, 1814-7	6.2	80
1380	Mild rhodium(III)-catalyzed direct C-H allylation of arenes with allyl carbonates. 2013 , 52, 5386-9		252
1379	Mild rhodium(III)-catalyzed cyclization of amides with α,β -unsaturated aldehydes and ketones to azepinones: application to the synthesis of the homoprotoberberine framework. 2013 , 52, 5393-7		162
1378	A coupling of benzamides and donor/acceptor diazo compounds to form β -lactams via Rh(III)-catalyzed C-H activation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5364-7	16.4	422
1377	Direct access to benzo[b]furans through palladium-catalyzed oxidative annulation of phenols and unactivated internal alkynes. 2013 , 52, 4607-12		174
1376	General and efficient synthesis of indoles through triazene-directed C-H annulation. 2013 , 52, 5795-8		198

1375	Rhodium(III)-catalyzed synthesis of cinnolinium salts from azobenzenes and alkynes: application to the synthesis of indoles and cinnolines. <i>Chemistry - A European Journal</i> , 2013 , 19, 6198-202	4.8	113
1374	Pd-catalyzed chelation assisted ortho-C-H activation and annulation of allylarenes with internal alkynes. <i>Organic Letters</i> , 2013 , 15, 2084-7	6.2	62
1373	Pd(II)-catalyzed ortho-arylation of aryl phosphates and aryl hydrogen phosphates with diaryliodonium triflates. <i>Organic Letters</i> , 2013 , 15, 2186-9	6.2	74
1372	Direct Trifluoromethylation of the C-H Bond. 2013 , 355, 617-626		236
1371	Palladium-catalyzed oxidative cycloaddition through C-H/N-H activation: access to benzazepines. 2013 , 52, 1768-72		106
1370	Pd(II)-catalyzed intramolecular aminopalladation/direct C-H arylation under aerobic conditions: synthesis of pyrrolo[1,2-a]indoles. 2013 , 69, 4415-4420		25
1369	Synthesis of highly substituted isocoumarins by rhodium-catalyzed annulation of readily available benzoic acids. 2013 , 69, 4454-4458		39
1368	A general method to diverse cinnolines and cinnolinium salts. <i>Chemistry - A European Journal</i> , 2013 , 19, 6239-44	4.8	114
1367	Ruthenium-catalyzed C-H oxygenation on aryl Weinreb amides. <i>Organic Letters</i> , 2013 , 15, 718-20	6.2	94
1366	Direct C-H Arylation of Heteroarenes Catalyzed by Palladium/ Nitrogen-Based Ligand Complexes. 2013 , 2, 624-636		81
1365	Mechanistic study of the oxidative coupling of styrene with 2-phenylpyridine derivatives catalyzed by cationic rhodium(III) via C-H activation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6427-30	16.4	79
1364	Synthesis of Pyrroles, Indoles, and Carbazoles through Transition-Metal-Catalyzed C-H Functionalization. 2013 , 2, 466-478		162
1363	Rhodium(III)-catalyzed oxidative olefination of N-allyl sulfonamides. 2013 , 11, 2761-5		23
1362	Aerobic synthesis of pyrroles and dihydropyrroles from imines: palladium(II)-catalyzed intramolecular C-H dehydrogenative cyclization. 2013 , 52, 4892-6		76
1361	Rhodium(III)-catalyzed indazole synthesis by C-H bond functionalization and cyclative capture. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7122-5	16.4	247
1360	Rhodium(III)-catalyzed redox-neutral coupling of N-phenoxyacetamides and alkynes with tunable selectivity. 2013 , 52, 6033-7		267
1359	Completely regioselective direct C-H functionalization of benzo[b]thiophenes using a simple heterogeneous catalyst. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7450-3	16.4	143
1358	Primary amines as directing groups in the Ru-catalyzed synthesis of isoquinolines, benzoisoquinolines, and thienopyridines. <i>Journal of Organic Chemistry</i> , 2013 , 78, 5254-63	4.2	91

1357	Rhodium(III)-catalyzed synthesis of cyclopenta[b]pyrroles from 1,2-diketones, 2-aminopyridine, and alkynes. 2013 , 8, 1386-90		19
1356	Expedient C-H amidations of heteroaryl arenes catalyzed by versatile ruthenium(II) catalysts. <i>Organic Letters</i> , 2013 , 15, 3286-9	6.2	153
1355	Rhodium(III)-catalyzed oxidative coupling through C-H bond cleavage directed by phosphinoxy groups. <i>Organic Letters</i> , 2013 , 15, 3258-61	6.2	127
1354	Rh(III)-catalyzed ortho-oxidative alkylation of unactivated arenes with allylic alcohols. 2013 , 4, 2665		88
1353	Rhodium(III)-Catalyzed Annulation of Azomethine Ylides with Alkynes via C?H Activation. 2013 , 355, n/a-n/a		19
1352	Rhodium-Catalyzed Direct Addition of Indoles to N-Sulfonylaldimines. 2013 , 355, n/a-n/a		12
1351	Rh[III]-catalyzed C-H amidation using aryloxycarbamates to give N-Boc protected arylamines. <i>Organic Letters</i> , 2013 , 15, 3014-7	6.2	135
1350	Ruthenium-catalyzed aerobic oxidative cyclization of aromatic and heteroaromatic nitriles with alkynes: a new route to isoquinolones. 2013 , 49, 6060-2		72
1349	Rh(III)/Cu(II)-cocatalyzed synthesis of 1H-indazoles through C-H amidation and N-N bond formation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8802-5	16.4	275
1348	Cp*Co(III)-catalyzed C2-selective addition of indoles to imines. <i>Chemistry - A European Journal</i> , 2013 , 19, 9142-6	4.8	163
1347	Chiral Cyclopentadienyl-type Ligands: a New Breakthrough for Asymmetric C?H Functionalisation. 2013 , 5, 1067-1068		8
1346	Synthesis of phosphaisocoumarins through rhodium-catalyzed cyclization using alkynes and arylphosphonic acid monoesters. <i>Organic Letters</i> , 2013 , 15, 3358-61	6.2	93
1345	Rhodium(III)-catalyzed oxidative olefination of pyridines and quinolines: multigram-scale synthesis of naphthyridinones. <i>Organic Letters</i> , 2013 , 15, 3460-3	6.2	85
1344	Nickel-catalyzed alkyne annulation by anilines: versatile indole synthesis by C-H/N-H functionalization. 2013 , 49, 6638-40		151
1343	Rhodium-catalyzed C3-selective alkenylation of substituted thiophene-2-carboxylic acids and related compounds. <i>Journal of Organic Chemistry</i> , 2013 , 78, 7216-22	4.2	49
1342	Ortho- and para-selective ruthenium-catalyzed C(sp ²)-H oxygenations of phenol derivatives. <i>Organic Letters</i> , 2013 , 15, 3484-6	6.2	133
1341	Ruthenium-catalyzed benzimidazoisoquinoline synthesis via oxidative coupling of 2-arylbenzimidazoles with alkynes. <i>Tetrahedron Letters</i> , 2013 , 54, 4198-4201	2	36
1340	Rhodium-catalyzed synthesis of amides from aldehydes and azides by chelation-assisted C-H bond activation. <i>Chemistry - A European Journal</i> , 2013 , 19, 10511-5	4.8	87

- 1339 Rhodium(III)-catalyzed C-H activation and amidation of arenes using N-arenesulfonated imides as amidating reagents. *Organic Letters*, **2013**, 15, 3706-9 6.2 112
- 1338 Site-selective catalytic C(sp²)-H bond azidations. **2013**, 52, 6576-8 57
- 1337 Rhodium(III)-catalyzed azacycle-directed intermolecular insertion of arene C-H bonds into β -diazocarbonyl compounds. *Journal of Organic Chemistry*, **2013**, 78, 5444-52 4.2 150
- 1336 Rhodium-catalyzed ortho acylation of aromatic carboxylic acids. **2013**, 52, 6704-8 65
- 1335 Rhodium(III)-catalyzed intramolecular annulations involving amide-directed C-H activations: synthetic scope and mechanistic studies. **2013**, 4, 2874 117
- 1334 Milde Rhodium(III)-katalysierte direkte C-H-Allylierung von Arenen mit Allylcarbonaten. **2013**, 125, 5495-5499 77
- 1333 Transition-metal-catalyzed additions of C-H bonds to C-X (X = N, O) multiple bonds via C-H bond activation. **2013**, 11, 5558-78 96
- 1332 Ru(II)-catalyzed intermolecular C-H amidation of weakly coordinating ketones. **2013**, 49, 5654-6 131
- 1331 An efficient Rh/O₂ catalytic system for oxidative C-H activation/annulation: evidence for Rh(I) to Rh(III) oxidation by molecular oxygen. *Journal of the American Chemical Society*, **2013**, 135, 8850-3 16.4 239
- 1330 Synthesis of Phenanthridinones from N-methoxybenzamides and aryltriethoxysilanes through Rh(III)-catalyzed C-H and N-H bond activation. **2013**, 8, 2175-81 62
- 1329 Rhodium(III)-catalyzed intermolecular direct amidation of aldehyde C-H bonds with N-chloroamines at room temperature. *Organic Letters*, **2013**, 15, 2934-7 6.2 48
- 1328 Rhodium-catalyzed direct addition of aryl C-H bonds to nitrosobenzenes at room temperature. *Organic Letters*, **2013**, 15, 6302-5 6.2 63
- 1327 Rhodium-catalyzed decarboxylative and dehydrogenative coupling of maleic acids with alkynes and alkenes. *Journal of Organic Chemistry*, **2013**, 78, 11427-32 4.2 42
- 1326 Ag-promoted azido-carbocyclization of activated alkenes via C-H bond cleavage. **2013**, 8, 2932-5 72
- 1325 Direct Access to Benzo[b]furans through Palladium-Catalyzed Oxidative Annulation of Phenols and Unactivated Internal Alkynes. **2013**, 125, 4705-4710 55
- 1324 [Cp*RhCl₂]₂-catalyzed ortho-C-H bond amination of acetophenone o-methyloximes with primary N-chloroalkylamines: convenient synthesis of N-alkyl-2-acylanilines. **2013**, 49, 7031-3 71
- 1323 Water as a green solvent for efficient synthesis of isocoumarins through microwave-accelerated and Rh/Cu-catalyzed C-H/O-H bond functionalization. **2013**, 3, 23402 43
- 1322 Ru(II)-catalyzed vinylative dearomatization of naphthols via a C(sp²)-H bond activation approach. *Journal of the American Chemical Society*, **2013**, 135, 17306-9 16.4 189

1321	Rhodium-catalyzed oxidative C-H activation/cyclization for the synthesis of phosphaisocoumarins and phosphorous 2-pyrones. <i>Chemistry - A European Journal</i> , 2013 , 19, 16461-8	4.8	58
1320	Rhodium(III)-Catalyzed Redox-Neutral Coupling of N-Phenoxyacetamides and Alkynes with Tunable Selectivity. 2013 , 125, 6149-6153		86
1319	Rhodium(III)-Catalyzed C?C Coupling between Arenes and Aziridines by C?H Activation. 2013 , 125, 2637-2640		35
1318	Copper-catalyzed aerobic oxidative C-H functionalization of substituted pyridines: synthesis of imidazopyridine derivatives. <i>Chemistry - A European Journal</i> , 2013 , 19, 16804-8	4.8	45
1317	Synthese von Arylethern aus Benzoaten über carboxylatdirigierte C-H-aktivierende Alkoxylierung mit gekoppelter Protodecarboxylierung. 2013 , 125, 3031-3035		45
1316	Rhodium(III)-Catalyzed Azidation and Nitration of Arenes by C?H Activation. 2013 , 125, 12078-12082		45
1315	Asymmetrische Katalyse mit chiralen Cyclopentadienylrhodiumkomplexen. 2013 , 125, 3399-3401		4
1314	Milde Rhodium(III)-katalysierte Cyclisierung von Amidinen mit β,β -ungesättigten Aldehyden und Ketonen zu Azepinonen: Anwendung in der Synthese des Homoprotoberberin-Gerüsts. 2013 , 125, 5503-5507		53
1313	Regioselektive katalytische C(sp ²)-H-Azidierungen. 2013 , 125, 6706-6708		17
1312	An Approach to Benzophosphole Oxides through Silver- or Manganese-Mediated Dehydrogenative Annulation Involving C?C and C?P Bond Formation. 2013 , 125, 13213-13217		45
1311	A Cationic High-Valent Cp*CoIII Complex for the Catalytic Generation of Nucleophilic Organometallic Species: Directed C?H Bond Activation. 2013 , 125, 2263-2267		139
1310	Rhodium-Catalyzed Oxidative Annulation of Sulfoximines and Alkynes as an Approach to 1,2-Benzothiazines. 2013 , 125, 11787-11790		56
1309	[3]Dendralensynthese: Rhodium(III)-katalysierte Alkenyl-C-H- Aktivierung und Kupplungsreaktion mit Allenylcarbinolcarbonat. 2013 , 125, 12657-12661		52
1308	Rhodium(III)-Catalyzed Coupling of Arenes with 7-Oxa/Azabenzonorbornadienes by C?H Activation. 2013 , 125, 9165-9170		34
1307	Rhodium(III)-Catalyzed Intramolecular Hydroarylation, Amidoarylation, and Heck-type Reaction: Three Distinct Pathways Determined by an Amide Directing Group. 2013 , 125, 14431-14435		44
1306	Aerobic Synthesis of Pyrroles and Dihydropyrroles from Imines: Palladium(II)-Catalyzed Intramolecular C?H Dehydrogenative Cyclization. 2013 , 125, 4992-4996		20
1305	Reactivity of a Cationic (C ₅ Me ₅)IrIII-Cyclometalated Phosphine Complex with Alkynes. 2014 , 33, 7164-7175		11
1304	Rhodium(III)-Catalyzed ortho Alkenylation of N-Phenoxyacetamides with N-Tosylhydrazones or Diazoesters through C?H Activation. 2014 , 126, 1388-1391		71

1303	PhI(OAc) ₂ -Mediated Radical Trifluoromethylation of Vinyl Azides with Me ₃ SiCF ₃ . 2014 , 126, 1085-1089		23
1302	Rhodium-catalyzed intramolecular hydroarylation of 1-halo-1-alkynes: regioselective synthesis of semihydrogenated aromatic heterocycles. <i>Chemistry - A European Journal</i> , 2014 , 20, 317-22	4.8	30
1301	[Rh(III)(Cp*)]-catalyzed ortho-selective direct C(sp ²)-H bond amidation/amination of benzoic acids by N-chlorocarbamates and N-chloromorpholines. A versatile synthesis of functionalized anthranilic acids. <i>Chemistry - A European Journal</i> , 2014 , 20, 4474-80	4.8	56
1300	Rhodium(III)- and iridium(III)-catalyzed C ₇ alkylation of indolines with diazo compounds. <i>Chemistry - A European Journal</i> , 2014 , 20, 17653-7	4.8	143
1299	Synthesis of 2,3-dihydro-1H-indazoles by Rh(III)-catalyzed C-H cleavage of arylhydrazines. 2014 , 12, 5469-76		13
1298	Catalytic 1,4-rhodium(III) migration enables 1,3-enynes to function as one-carbon oxidative annulation partners in C-H functionalizations. 2014 , 53, 9931-5		129
1297	Ruthenium-catalyzed ortho-C-H halogenations of benzamides. 2014 , 50, 1083-5		101
1296	Copper(I)-Oxide-Mediated Cyanation of Arenediazonium Tetrafluoroborates with Trimethylsilyl Cyanide: A Method for Synthesizing Aromatic Nitriles. 2014 , 3, 1062-1065		14
1295	Mild rhodium(III)-catalyzed C-H allylation with 4-vinyl-1,3-dioxolan-2-ones: direct and stereoselective synthesis of (E)-allylic alcohols. <i>Organic Letters</i> , 2014 , 16, 6412-5	6.2	70
1294	Rhodium(III)-Catalyzed C?C and C?O Coupling of Quinoline N-Oxides with Alkynes: Combination of C?H Activation with O-Atom Transfer. 2014 , 126, 10970-10974		53
1293	Co(III)-catalyzed C-H activation/formal S _N -type reactions: selective and efficient cyanation, halogenation, and allylation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17722-5	16.4	460
1292	Palladium-catalyzed stereoretentive olefination of unactivated C(sp ³)-H bonds with vinyl iodides at room temperature: synthesis of α -vinyl β -amino acids. <i>Organic Letters</i> , 2014 , 16, 6260-3	6.2	94
1291	Rhodium(III)-Catalyzed [3+2] Annulation of 5-Aryl-2,3-dihydro-1H-pyrroles with Internal Alkynes through C(sp ²)?H/Alkene Functionalization. 2014 , 126, 11520-11523		25
1290	Kombinierte Rhodium- und Photoredoxkatalyse in der C-H-Funktionalisierung von Arenen: oxidative Heck-Reaktionen mit sichtbarem Licht. 2014 , 126, 10392-10396		48
1289	[4+2] vs [3+2] Annulations in the Nickel- and Cobalt-Catalyzed Reaction of ortho-Haloimines with Alkynes: Differential Reactivity towards the Synthesis of Isoquinolines and Aminoindenes. 2014 , 61, 59-66		8
1288	Synthesis of spirocyclic enones by rhodium-catalyzed dearomatizing oxidative annulation of 2-alkenylphenols with alkynes and enynes. <i>Chemistry - A European Journal</i> , 2014 , 20, 8599-602	4.8	92
1287	Copper-Mediated C ₆ -Selective Dehydrogenative Heteroarylation of 2-Pyridones with 1,3-Azoles. 2014 , 126, 10960-10964		25
1286	One-Pot Synthesis of Highly Substituted Polyheteroaromatic Compounds by Rhodium(III)-Catalyzed Multiple C?H Activation and Annulation. 2014 , 126, 10047-10050		43

1285	Catalytic 1,4-Rhodium(III) Migration Enables 1,3-Enynes to Function as One-Carbon Oxidative Annulation Partners in C-H Functionalizations. 2014 , 126, 10089-10093		32
1284	Synthesis of Sterically Congested Polycyclic Aromatic Hydrocarbons: Rhodium(III)-Catalyzed Cascade Oxidative Annulation of Aryl Ketoximes with Diphenylacetylene by Sequential Cleavage of Multiple C-H Bonds. 2014 , 356, 2688-2696		39
1283	Aldehyde-Assisted Ruthenium(II)-Catalyzed C-H Oxygenations. 2014 , 126, 11467-11470		37
1282	Homogeneous Transition-Metal-Catalyzed C-H Bond Functionalization. 2014 , 441-573		5
1281	Rh(III)-catalyzed C-H functionalization/aromatization cascade with 1,3-dienes: a redox-neutral and regioselective access to isoquinolines. 2014 , 5, 2869		150
1280	Rhodium-catalyzed direct amination of arenes with nitrosobenzenes: a new route to diarylamines. <i>Chemistry - A European Journal</i> , 2014 , 20, 5727-31	4.8	42
1279	Copper-catalysed oxidative C-H/C-H coupling between olefins and simple ethers. 2014 , 50, 3623-6		143
1278	Conformation-induced remote meta-C-H activation of amines. 2014 , 507, 215-20		402
1277	Rhodium(III)-Catalyzed Oxidative Olefination of Picolinamides: Convenient Synthesis of 3-Alkenylpicolinamides. 2014 , 356, 1038-1046		47
1276	Iron-catalyzed C(sp ²)-H and C(sp ³)-H arylation by triazole assistance. 2014 , 53, 3868-71		219
1275	Ruthenium-catalyzed cross-dehydrogenative ortho-N-carbazolation of diarylamines: versatile access to unsymmetrical diamines. 2014 , 53, 3505-9		67
1274	The direct C-H halogenations of indoles. <i>Tetrahedron Letters</i> , 2014 , 55, 2243-2245	2	20
1273	Rhodium(III)-catalyzed selective ortho-olefinations of N-acyl and N-aryyl sulfoximines by C-H bond activation. <i>Chemistry - A European Journal</i> , 2014 , 20, 4896-900	4.8	90
1272	η-MsO/TsO/Cl ketones as oxidized alkyne equivalents: redox-neutral rhodium(III)-catalyzed C-H activation for the synthesis of N-heterocycles. 2014 , 53, 2754-8		134
1271	Amidines for versatile ruthenium(II)-catalyzed oxidative C-H activations with internal alkynes and acrylates. <i>Chemistry - A European Journal</i> , 2014 , 20, 5403-8	4.8	89
1270	Cationic Ir/Me-BIPAM-catalyzed asymmetric intramolecular direct hydroarylation of η-ketoamides. 2014 , 53, 2658-61		36
1269	Chiral Cp-rhodium(III)-catalyzed asymmetric hydroarylations of 1,1-disubstituted alkenes. 2014 , 53, 507-11		207
1268	Terminal aryl alkenes and alkynes as arylcarboxy surrogates toward o-benzoylation of 2-phenylpyridine catalyzed by copper. <i>Organic Letters</i> , 2014 , 16, 1614-7	6.2	54

1267	Aromatic homologation by non-chelate-assisted Rh(III)-catalyzed C-H functionalization of arenes with alkynes. 2014 , 53, 3484-7		113
1266	Synthesis of indoles through Rh(III)-catalyzed C \equiv H cross-coupling with allyl carbonates. <i>Tetrahedron Letters</i> , 2014 , 55, 1859-1862	2	26
1265	Rhodium(III)-catalyzed C-H activation and indole synthesis with hydrazone as an auto-formed and auto-cleavable directing group. <i>Chemistry - A European Journal</i> , 2014 , 20, 2352-6	4.8	145
1264	Ruthenium-catalyzed alkenylation of azoxybenzenes with alkenes through ortho-selective C-H activation. 2014 , 50, 4218-21		56
1263	Air-Stable Carbonyl(pentamethylcyclopentadienyl)cobalt Diiodide Complex as a Precursor for Cationic (Pentamethylcyclopentadienyl)cobalt(III) Catalysis: Application for Directed C-2 Selective C \equiv H Amidation of Indoles. 2014 , 356, 1491-1495		267
1262	Ruthenium-catalyzed oxidative alkyne annulation by C \equiv H activation on ketimines. 2014 , 70, 3342-3348		32
1261	Rhodium(III)-Catalyzed, C \equiv H Activated Annulation to Form Isocoumarins and β -Pyrone using the O \equiv N Bond as an Internal Oxidant. 2014 , 356, 1496-1500		50
1260	Towards ideal synthesis: alkenylation of aryl C-H bonds by a Fujiwara-Moritani reaction. <i>Chemistry - A European Journal</i> , 2014 , 20, 634-42	4.8	196
1259	Formal S $_N$ -Type Reactions in Rhodium(III)-Catalyzed C \equiv H Bond Activation. 2014 , 356, 1443-1460		714
1258	Palladium-Catalyzed C \equiv F Bond Formation via Directed C \equiv H Activation. 2014 , 356, 1412-1418		69
1257	Copper(I) Iodide Catalyzed Aerobic Oxidative C \equiv N and C \equiv S bond formations through C \equiv H Activation: Synthesis of Functionalized Imidazo[1,2-a]pyridines. 2014 , 3, 609-613		50
1256	Regioselective Synthesis of Indoles via Rhodium-Catalyzed C \equiv H Activation Directed by an In-Situ Generated Redox-Neutral Group. 2014 , 356, 1571-1576		88
1255	Ruthenium- and Rhodium-Catalyzed Dehydrogenative ortho-Alkenylation of Benzylamines via Free Amino Group Directed C \equiv H Bond Cleavage. 2014 , 356, 1521-1526		64
1254	A Rhodium-Catalyzed Cascade Cyclization: Direct Synthesis of N-Substituted Phthalimides from Isocyanates and Benzoic Acids. 2014 , 356, 723-728		63
1253	Palladium-Catalyzed Direct Arylation and Alkenylation of 3-(Indol-3-yl)propionic Acids through C \equiv H Bond Cleavage. 2014 , 88, 275		5
1252	Synthesis of Pyrazolo[1,2-a]cinnolines via a Rhodium-Catalyzed Oxidative Coupling Approach. 2014 , 356, 972-976		36
1251	Mild Rh(III)-catalyzed direct C-H bond arylation of (hetero)arenes with arylsilanes in aqueous media. <i>Organic Letters</i> , 2014 , 16, 2614-7	6.2	107
1250	Mechanisms of the PtCl $_2$ -catalyzed intramolecular cyclization of o-isopropyl-substituted aryl alkynes for the synthesis of indenes and comparison of three sp 3 C-H bond activation modes. <i>Journal of Organic Chemistry</i> , 2014 , 79, 5684-96	4.2	27

1249	Rhodium-catalyzed C-H alkynylation of arenes at room temperature. 2014 , 53, 2722-6		203
1248	PhI(OAc) ₂ -mediated radical trifluoromethylation of vinyl azides with Me ₃ SiCF ₃ . 2014 , 53, 1067-71		109
1247	Rhodium(III)-catalyzed ortho alkenylation of N-phenoxyacetamides with N-tosylhydrazones or diazoesters through C-H activation. 2014 , 53, 1364-7		213
1246	Rhodium-catalyzed directed sulfenylation of arene C-H bonds. <i>Chemistry - A European Journal</i> , 2014 , 20, 416-20	4.8	151
1245	Ruthenium(II)-catalyzed synthesis of isochromenes by C-H activation with weakly coordinating aliphatic hydroxyl groups. <i>Chemistry - A European Journal</i> , 2014 , 20, 5409-13	4.8	55
1244	Rh(III) -catalyzed hydroacylation reactions between N-sulfonyl 2-aminobenzaldehydes and olefins. <i>Chemistry - A European Journal</i> , 2014 , 20, 3283-7	4.8	58
1243	Rh(III)-catalyzed synthesis of 1-aminoindole derivatives from 2-acetyl-1-arylhydrazines and diazo compounds in water. 2014 , 50, 6130-3		149
1242	Iridium-catalyzed intermolecular amidation of sp ³ C-H bonds: late-stage functionalization of an unactivated methyl group. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4141-4	16.4	284
1241	N-Arylations of sulfoximines with 2-arylpyridines by copper-mediated dual N-H/C-H activation. <i>Organic Letters</i> , 2014 , 16, 2661-3	6.2	78
1240	Rh(III)-catalyzed C-H amidation with N-hydroxycarbamates: a new entry to N-carbamate-protected arylamines. <i>Organic Letters</i> , 2014 , 16, 592-5	6.2	76
1239	Rh(III)-catalyzed amide-directed cross-dehydrogenative heteroarylation of pyridines. <i>Organic Letters</i> , 2014 , 16, 416-9	6.2	61
1238	Direct functionalization of unactivated C-H bonds catalyzed by group 3-5 metal alkyl complexes. 2014 , 43, 2331-43		57
1237	Straightforward assembly of benzoxepines by means of a rhodium(III)-catalyzed C-H functionalization of o-vinylphenols. <i>Journal of the American Chemical Society</i> , 2014 , 136, 834-7	16.4	203
1236	Synthesis of heterocycles via transition-metal-catalyzed hydroarylation of alkynes. <i>Chemical Society Reviews</i> , 2014 , 43, 1575-600	58.5	266
1235	Ruthenium-Catalyzed Ortho-Selective C-H Alkenylation of Aromatic Compounds with Alkenyl Esters and Ethers. 2014 , 33, 402-420		55
1234	Cross-coupling/annulations of quinazolones with alkynes for access to fused polycyclic heteroarenes under mild conditions. 2014 , 12, 758-64		43
1233	Transition-metal-catalyzed ketone-directed ortho-C-H functionalization reactions. <i>Tetrahedron Letters</i> , 2014 , 55, 1121-1126	2	100
1232	Rh(III)-catalyzed C-H activation with allenes to synthesize conjugated olefins. <i>Organic Letters</i> , 2014 , 16, 330-3	6.2	60

1231	Transition metal-catalyzed direct nucleophilic addition of C-H bonds to carbon-heteroatom double bonds. 2014 , 5, 2146-2159		273
1230	Rh(III)-catalyzed intramolecular redox-neutral cyclization of alkenes via C-H activation. 2014 , 50, 2650-2		89
1229	Mechanistic studies of the rhodium-catalyzed direct C-H amination reaction using azides as the nitrogen source. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2492-502	16.4	236
1228	The Literature of Heterocyclic Chemistry, Part XII, 2010-2011. 2014 , 147-274		16
1227	Hydrogen-bond-assisted controlled C-H functionalization via adaptive recognition of a purine directing group. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1132-40	16.4	132
1226	Ligand-enabled cross-coupling of C(sp ³)-H bonds with arylboron reagents via Pd(II)/Pd(0) catalysis. 2014 , 6, 146-50		191
1225	Oxidative C-H amination reactions. <i>Chemical Society Reviews</i> , 2014 , 43, 901-10	58.5	621
1224	Rhodium(III)-Catalyzed One-Pot Access to Isoquinolines and Heterocycle-Fused Pyridines in Aqueous Medium through C-H Cleavage. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 8110-8118	3.2	20
1223	Hydroarylations of heterobicyclic alkenes through rhodium-catalyzed directed C-H functionalizations of S-aryl sulfoximines. <i>Chemistry - A European Journal</i> , 2014 , 20, 15732-6	4.8	92
1222	Rhodium(III)/copper(II)-promoted trans-selective heteroaryl acyloxylation of alkynes: stereodefined access to trans-enol esters. 2014 , 53, 14575-9		25
1221	Rhodium(III)-catalyzed olefinic C-H alkynylation of acrylamides using tosyl-imide as directing group. <i>Organic Letters</i> , 2014 , 16, 5956-9	6.2	89
1220	Ruthenium(II)-Catalyzed C-H Bond Activation: An Efficient Route toward Indenamines. 2014 , 6, 2692-2697		33
1219	Rhodium(III)-Catalyzed Regioselective Direct C-2 Alkenylation of Indoles Assisted by the Removable N-(2-Pyrimidyl) Group. 2014 , 356, 137-143		66
1218	One-pot synthesis of multisubstituted 2-aminoquinolines from annulation of 1-aryl tetrazoles with internal alkynes via double C-H activation and denitrogenation. <i>Journal of Organic Chemistry</i> , 2014 , 79, 11541-8	4.2	59
1217	Die C-H-Aktivierungs/1,3-Diim-Strategie: hochselektive direkte Synthese vielfältiger Bisheterocyclen mithilfe von Rh(III)-Katalyse. 2014 , 126, 9804-9809		43
1216	Rhodium(I)-N-Heterocyclic Carbene Catalyst for Selective Coupling of N-Vinylpyrazoles with Alkynes via C-H Activation. 2014 , 4, 4244-4253		43
1215	Ruthenium(II)-Catalysed sp ² C-H Bond Functionalization by C-C Bond Formation. 2014 , 119-193		23
1214	Asymmetric Synthesis of Isoindolones by Chiral Cyclopentadienyl-Rhodium(III)-Catalyzed C-H Functionalizations. 2014 , 126, 8030-8033		91

1213	Dehydrative C-H/N-OH functionalizations in H ₂ O by ruthenium(II) catalysis: subtle effect of carboxylate ligands and mechanistic insight. <i>Journal of Organic Chemistry</i> , 2014 , 79, 12070-82	4.2	65
1212	Rhodium(III)-catalyzed intramolecular amidoarylation and hydroarylation of alkyne via C-H activation: switchable synthesis of 3,4-fused tricyclic indoles and chromans. 2014 , 50, 7306-9		63
1211	Cyclometalated [Cp*M(C [^] X)] (M = Ir, Rh; X = N, C, O, P) complexes. <i>Chemical Society Reviews</i> , 2014 , 43, 2799-823	58.5	207
1210	Rh(III)-catalyzed synthesis of 1-substituted isoquinolinium salts via a C-H bond activation reaction of ketimines with alkynes. 2014 , 50, 3106-8		45
1209	Controllable mono-/di-alkenylation of aryl alkyl thioethers tuned by oxidants via Pd-catalysis. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 1096-1100	5.2	29
1208	Highly selective directed arylation reactions via back-to-back dehydrogenative C-H borylation/arylation reactions. 2014 , 50, 9883-6		38
1207	Iridium catalyzed regioselective cage boron alkenylation of o-carboranes via direct cage B-H activation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15513-6	16.4	161
1206	Ruthenium(II)-catalyzed C [^] H activation/C [^] N bond formation via in situ generated iminophosphorane as the directing group: construction of annulated pyridin-2(1H)-ones. 2014 , 4, 57749-57753 ²¹		
1205	Synthesis of alkylidene pyrrolo[3,4-b]pyridin-7-one derivatives via Rh(III)-catalyzed cascade oxidative alkenylation/annulation of picolinamides. 2014 , 50, 6105-7		38
1204	Rhodium-catalyzed olefination of aryl tetrazoles via direct C-H bond activation. 2014 , 12, 7923-6		26
1203	Synthesis of 1,2-amino alcohols via catalytic C-H amidation of sp ³ methyl C-H bonds. 2014 , 50, 12073-5		84
1202	Preparation of conjugated 1,3-enynes by Rh(III)-catalysed alkynylation of alkenes via C-H activation. 2014 , 50, 4459-61		155
1201	Rhodium-catalyzed intramolecular annulation via C-H activation leading to fused tricyclic indole scaffolds. 2014 , 50, 7367-70		60
1200	Construction of Axial Chirality by Rhodium-Catalyzed Asymmetric Dehydrogenative Heck Coupling of Biaryl Compounds with Alkenes. 2014 , 126, 13460-13463		122
1199	Construction of axial chirality by rhodium-catalyzed asymmetric dehydrogenative Heck coupling of biaryl compounds with alkenes. 2014 , 53, 13244-7		248
1198	Synthesis and Alkyne Insertion Reactions of NHC-Based Cyclometalated Ruthenium(II) Complexes. 2014 , 33, 5164-5172		32
1197	Rhodium(III)-catalyzed C-H activation/[4+3] annulation of N-phenoxyacetamides and β,β -unsaturated aldehydes: an efficient route to 1,2-oxazepines at room temperature. 2014 , 50, 12135-8		62
1196	One-pot synthesis of highly substituted polyheteroaromatic compounds by rhodium(III)-catalyzed multiple C-H activation and annulation. 2014 , 53, 9889-92		130

1195	Rhodium(III)-catalyzed C-H activation/annulation with vinyl esters as an acetylene equivalent. <i>Organic Letters</i> , 2014 , 16, 4718-21	6.2	118
1194	Rhodium(III)-catalyzed directed peri-C-H alkenylation of anthracene derivatives. <i>Organic Letters</i> , 2014 , 16, 4224-7	6.2	24
1193	Ruthenium-catalyzed cyclization of anilides with substituted propiolates or acrylates: an efficient route to 2-quinolinones. <i>Organic Letters</i> , 2014 , 16, 3568-71	6.2	70
1192	Palladium-catalyzed aryl C-H olefination with unactivated, aliphatic alkenes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13602-5	16.4	179
1191	Rhodium(III)-catalyzed decarbonylative coupling of maleic anhydrides with alkynes. 2014 , 4, 37138-37141		12
1190	Rhodium(III)-catalyzed aerobic synthesis of highly functionalized indoles from N-arylurea under mild conditions through C-H activation. 2014 , 50, 14964-7		35
1189	Ruthenium(II)-catalyzed oxidative C-H alkenylations of sulfonic acids, sulfonyl chlorides and sulfonamides. <i>Chemistry - A European Journal</i> , 2014 , 20, 15248-51	4.8	148
1188	Combining rhodium and photoredox catalysis for C-H functionalizations of arenes: oxidative Heck reactions with visible light. 2014 , 53, 10228-31		131
1187	Strain-promoted oxidative annulation of arynes and cyclooctynes with benzamides: palladium-catalyzed C-H/N-H activation for the synthesis of N-heterocycles. <i>Organic Letters</i> , 2014 , 16, 5354-7	6.2	80
1186	Rhodium-Catalyzed Direct Oxidative C-H Acylation of 2-Arylpyridines with Terminal Alkynes: A Synthesis of Pyrido[2,1-a]isoindoles. 2014 , 356, 3295-3301		15
1185	Rhodium-catalyzed direct coupling of biaryl pyridine derivatives with internal alkynes. 2014 , 50, 8204-7		33
1184	Facile synthetic method for diverse polyfunctionalized imidazoles by means of Pd-catalyzed C-H bond arylation of N-methyl-4,5-dibromoimidazole. <i>Journal of Organic Chemistry</i> , 2014 , 79, 7185-92	4.2	32
1183	Aldehyde-assisted ruthenium(II)-catalyzed C-H oxygenations. 2014 , 53, 11285-8		146
1182	Rhodium(III)-catalyzed C-C bond formation of quinoline N-oxides at the C-8 position under mild conditions. <i>Organic Letters</i> , 2014 , 16, 4598-601	6.2	195
1181	Rhodium(III)-catalyzed intramolecular redox-neutral annulation of tethered alkynes: formal total synthesis of (H)-goniomitine. <i>Chemistry - A European Journal</i> , 2014 , 20, 12768-72	4.8	62
1180	Rhodium(III)-catalyzed regioselective C-H alkenylation of phenylphosphine sulfides. <i>Journal of Organic Chemistry</i> , 2014 , 79, 7649-55	4.2	56
1179	Palladium-catalyzed direct thiolation of aryl C-H bonds with disulfides. <i>Chemistry - A European Journal</i> , 2014 , 20, 2459-62	4.8	135
1178	Pyrroloindolone synthesis via a Cp*Co(III)-catalyzed redox-neutral directed C-H alkenylation/annulation sequence. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5424-31	16.4	408

1177	Cyclic ethers to esters and monoesters to bis-esters with unconventional coupling partners under metal free conditions via sp(3) C-H functionalisation. 2014 , 50, 12193-6		61
1176	Rh(III)-catalyzed cyclopropanation initiated by C-H activation: ligand development enables a diastereoselective [2 + 1] annulation of N-enoxypthalimides and alkenes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11292-5	16.4	126
1175	Manganese Dioxide-Mediated Oxidative Coupling of 1,3-Dicarbonyl Compounds with α,β -Unsaturated Ketones: Direct Access to 3,4-Dicarbonyl Substituted Furans. 2014 , 356, 2459-2464		15
1174	Unique regioselectivity in the C(sp ³)-H α -alkylation of amines: the benzoxazole moiety as a removable directing group. <i>Organic Letters</i> , 2014 , 16, 4201-3	6.2	55
1173	Rh(III)-catalyzed intramolecular redox-neutral or oxidative cyclization of alkynes: short, efficient synthesis of 3,4-fused indole skeletons. <i>Organic Letters</i> , 2014 , 16, 3900-3	6.2	92
1172	Regioselective ortho olefination of aryl sulfonamide via rhodium-catalyzed direct C-H bond activation. <i>Journal of Organic Chemistry</i> , 2014 , 79, 8278-87	4.2	60
1171	Rhodium(III)-catalyzed C-C and C-O coupling of quinoline N-oxides with alkynes: combination of C-H activation with O-atom transfer. 2014 , 53, 10794-8		180
1170	Use of the Wilkinson catalyst for the ortho-C-H heteroarylation of aromatic amines: facile access to highly extended π -conjugated heteroacenes for organic semiconductors. 2014 , 53, 12158-62		79
1169	Rhodium(III)-catalyzed coupling of N-sulfonyl 2-aminobenzaldehydes with oxygenated allylic olefins through C-H activation. 2014 , 12, 4290-4		26
1168	Benzylamine as an arylcarboxy surrogate: a copper catalysed o-benzoylation of 2-phenylpyridines using benzyl amines. 2014 , 4, 55115-55118		15
1167	Rhodium(III)-catalyzed transannulation of cyclopropenes with N-phenoxyacetamides through C-H activation. 2014 , 53, 13234-8		169
1166	Ligand-controlled regiodivergent pathways of rhodium(III)-catalyzed dihydroisoquinolone synthesis: experimental and computational studies of different cyclopentadienyl ligands. <i>Chemistry - A European Journal</i> , 2014 , 20, 15409-18	4.8	100
1165	Rhodium-catalyzed ortho-cyanation of symmetrical azobenzenes with N-cyano-N-phenyl-p-toluenesulfonamide. 2014 , 12, 8603-6		50
1164	Palladium-Catalyzed Direct Dehydrogenative Annulation of Ferrocenecarboxamides with Alkynes in Air. 2014 , 33, 2138-2141		33
1163	Rh(III)-catalyzed regioselective functionalization of C-H bonds of naphthylcarbamates for oxidative annulation with alkynes. <i>Organic Letters</i> , 2014 , 16, 4830-3	6.2	65
1162	3.23 Carbon-Carbon σ -Bond Formation via CH Bond Functionalization. 2014 , 1101-1209		20
1161	Palladium-catalyzed cyclization of benzamides with alkynes: application to the synthesis of phenaglydon and N-methylcrinasiadine. 2014 , 50, 12116-9		57
1160	Rhodium-catalyzed annulative coupling of 3-phenylthiophenes with alkynes involving double C-H bond cleavages. <i>Chemistry - A European Journal</i> , 2014 , 20, 385-9	4.8	64

1159	Rh(III)-catalyzed C-H activation/cyclization of indoles and pyrroles: divergent synthesis of heterocycles. <i>Journal of Organic Chemistry</i> , 2014 , 79, 6490-500	4.2	135
1158	Unexpected regioselective carbon-hydrogen bond activation/cyclization of indolyl aldehydes or ketones with alkynes to benzo-fused oxindoles. 2014 , 5, 5030		68
1157	Unexpected cyclization of tritylamines promoted by copper salt through C-H and C-N bond cleavages to produce acridine derivatives. <i>Chemistry - A European Journal</i> , 2014 , 20, 12720-4	4.8	18
1156	Synthesis of benzofurans via ruthenium-catalyzed redox-neutral C-H functionalization and reaction with alkynes under mild conditions. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 1161-1165	5.2	54
1155	Rhodium(III)-catalyzed [3+2] annulation of 5-aryl-2,3-dihydro-1H-pyrroles with internal alkynes through C(sp ²)-H/alkene functionalization. 2014 , 53, 11338-41		77
1154	Aerobic oxidative homocoupling of aryl amines using heterogeneous rhodium catalysts. <i>Organic Letters</i> , 2014 , 16, 4754-7	6.2	44
1153	The Oxidative Annulation of Tertiary Benzyl Alcohols with Internal Alkynes using an (Electron-Deficient β -Cyclopenta-dienyl)Rhodium(III) Catalyst under Ambient Conditions. 2014 , 356, 1638-1644		59
1152	Ruthenium(II)-catalyzed C-H activation with isocyanates: a versatile route to phthalimides. <i>Chemistry - A European Journal</i> , 2014 , 20, 13932-6	4.8	64
1151	Fundamental Aspects of the Metal-Catalyzed C-H Bond Functionalization by Diazocarbenes: Guiding Principles for Design of Catalyst with Non-redox-Active Metal (Such as Ca) and Non-Innocent Ligand. 2014 , 17-40		1
1150	Versatile reactivity of Pd-catalysts: mechanistic features of the mono-N-protected amino acid ligand and cesium-halide base in Pd-catalyzed C-H bond functionalization. <i>Chemical Society Reviews</i> , 2014 , 43, 5009-31	58.5	129
1149	Recent development of direct asymmetric functionalization of inert C-H bonds. 2014 , 4, 6173		448
1148	Cobalt mediated C-H bond functionalization: emerging tools for organic synthesis. 2014 , 4, 2756-2777		49
1147	Copper-mediated ortho-nitration of (hetero)arene-carboxylates. <i>Chemistry - A European Journal</i> , 2014 , 20, 9902-5	4.8	70
1146	Rhodium(III)-catalyzed ortho-alkenylation through C-H bond cleavage directed by sulfoxide groups. <i>Organic Letters</i> , 2014 , 16, 1188-91	6.2	100
1145	Synthesis of indolo[2,1-a]isoquinolines via a triazene-directed C-H annulation cascade. <i>Journal of Organic Chemistry</i> , 2014 , 79, 11863-72	4.2	69
1144	Sulfoximine-directed ruthenium-catalyzed ortho-C-H alkylation of (hetero)arenes: synthesis of EP3 receptor antagonist analogue. <i>Journal of Organic Chemistry</i> , 2014 , 79, 6123-34	4.2	100
1143	Rhodium-catalyzed synthesis of isoquinolines and indenes from benzylidenehydrazones and internal alkynes. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1025-31	4.2	89
1142	Using Rh(III)-catalyzed C-H activation as a tool for the selective functionalization of ketone-containing molecules. <i>Organic Letters</i> , 2014 , 16, 1630-3	6.2	56

1141	Rhodium(III) catalyzed synthesis of isoquinolone fused azabicycles through C-H activation of N-pivaloyloxy benzamides. <i>Tetrahedron Letters</i> , 2014 , 55, 916-920	2	13
1140	Directed additions of 2-arylpyridines and related substrates to cyclic imines through rhodium-catalyzed C-H functionalization. <i>Organic Letters</i> , 2014 , 16, 2538-41	6.2	45
1139	Rhodium(III)-catalyzed C-C coupling of arenes with 2-vinyloxiranes: synthesis of allylic alcohols. <i>Organic Letters</i> , 2014 , 16, 1200-3	6.2	112
1138	Rh-catalyzed sequential oxidative C-H and N-N bond activation: conversion of azines into isoquinolines with air at room temperature. <i>Organic Letters</i> , 2014 , 16, 3532-5	6.2	112
1137	Pd(II)-catalyzed meta-C-H olefination, arylation, and acetoxylation of indolines using a U-shaped template. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10807-13	16.4	245
1136	Methyl ketone oxime esters as nucleophilic coupling partners in Pd-catalyzed C-H alkylation and application in the synthesis of isoquinolines. <i>Journal of Organic Chemistry</i> , 2014 , 79, 7041-50	4.2	41
1135	Synthesis of (Poly)fluorobiphenyls through Metal-catalyzed C-H Bond Activation/Arylation of (Poly)fluorobenzene Derivatives. 2014 , 6, 1824-1859		76
1134	The C-H activation/1,3-diyne strategy: highly selective direct synthesis of diverse bisheterocycles by Rh(III) catalysis. 2014 , 53, 9650-4		142
1133	Mild synthesis of chalcones via rhodium(III)-catalyzed C-C coupling of arenes and cyclopropanones. <i>Organic Letters</i> , 2014 , 16, 1220-3	6.2	84
1132	A metal free domino synthesis of 3-aryloxyindoles via two sp ² -C-H activation. 2014 , 50, 10445-7		51
1131	Nanosheet-Enhanced Rhodium(III)-Catalysis in C-H Activation. 2014 , 4, 3543-3550		10
1130	Rhodium-Catalyzed Oxidative Perfluoroalkenylation by Carbonyl Group Directed C-H Bond Activation. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 7211-7219	3.2	8
1129	Iridium-catalyzed annulative coupling of 2-arylbenzoyl chlorides with alkynes: selective formation of phenanthrene derivatives. <i>Journal of Organic Chemistry</i> , 2014 , 79, 8960-7	4.2	39
1128	Preparative Synthesis of Highly Substituted Tetrahydropyridines via a Rh(I)-Catalyzed C-H Functionalization Sequence. 2014 , 18, 1105-1109		8
1127	Substituent-enabled oxidative dehydrogenative cross-coupling of 1,4-naphthoquinones with alkenes. <i>Journal of Organic Chemistry</i> , 2014 , 79, 7626-32	4.2	22
1126	Copper-mediated C6-selective dehydrogenative heteroarylation of 2-pyridones with 1,3-azoles. 2014 , 53, 10784-8		102
1125	Rh(III)-catalyzed selective coupling of N-methoxy-1H-indole-1-carboxamides and aryl boronic acids. <i>Organic Letters</i> , 2014 , 16, 3560-3	6.2	87
1124	Ruthenium-catalyzed cyclization of aromatic nitriles with alkenes: stereoselective synthesis of (Z)-3-methyleneisoindolin-1-ones. <i>Organic Letters</i> , 2014 , 16, 4866-9	6.2	57

1123	Ruthenium catalyzed desymmetrization of diazabicyclic olefins to access heteroaryl substituted cyclopentenes through C β I activation of phenylazoles. <i>Tetrahedron Letters</i> , 2014 , 55, 865-868	2	8
1122	Rh(III)- and Ir(III)-catalyzed C-H alkynylation of arenes under chelation assistance. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4780-7	16.4	355
1121	An Efficient Rhodium/Oxygen Catalytic System for Oxidative Heck Reaction of Indoles and Alkenes via C β H Functionalization. 2014 , 356, 1509-1515		77
1120	Oxidative Annulation of Anilides with Internal Alkynes Using an (Electron-Deficient β -Cyclopentadienyl)Rhodium(III) Catalyst Under Ambient Conditions. 2014 , 356, 1577-1585		110
1119	Palladium-catalyzed C-2 selective olefination of thiazoles. <i>Organic Letters</i> , 2014 , 16, 1798-801	6.2	38
1118	β -MsO/TsO/Cl-Ketone als oxidierte Alkin- β quivalente: redoxneutrale Rhodium(III)-katalysierte C-H-Aktivierung zur Synthese von N-Heterocyclen. 2014 , 126, 2792-2796		35
1117	Asymmetric synthesis of β -branched amines via Rh(III)-catalyzed C-H bond functionalization. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8520-3	16.4	78
1116	Ruthenium catalyzed oxidative annulation with alkynes via cascade C β I/N β I bond functionalizations. 2014 , 759, 33-36		17
1115	Triazole-assisted ruthenium-catalyzed C-H arylation of aromatic amides. <i>Chemistry - A European Journal</i> , 2014 , 20, 9739-43	4.8	61
1114	Modular assembly of ring-fused and β extended phenanthroimidazoles via C-H activation and alkyne annulation. <i>Journal of Organic Chemistry</i> , 2014 , 79, 3930-6	4.2	66
1113	Asymmetric synthesis of isoindolones by chiral cyclopentadienyl-rhodium(III)-catalyzed C-H functionalizations. 2014 , 53, 7896-9		234
1112	Naphthoquinone-directed C-H annulation and C(sp 2)-H bond cleavage: one-pot synthesis of tetracyclic naphthoxazoles. <i>Journal of Organic Chemistry</i> , 2014 , 79, 4553-60	4.2	24
1111	Synthesis of triarylmethanes by palladium-catalyzed C-H/C-O coupling of oxazoles and diarylmethanol derivatives. <i>Journal of Organic Chemistry</i> , 2014 , 79, 5401-11	4.2	57
1110	Aerobic oxidative C-H olefination of cyclic N-sulfonyl ketimines catalyzed by a rhodium catalyst. <i>Organic Letters</i> , 2014 , 16, 3040-3	6.2	46
1109	Orthogonal reactivity of acyl azides in C-H activation: dichotomy between C-C and C-N amidations based on catalyst systems. <i>Organic Letters</i> , 2014 , 16, 2022-5	6.2	86
1108	Ruthenium(II)-catalyzed C(sp 3)-H β -alkylation of pyrrolidines. <i>Organic Letters</i> , 2014 , 16, 1876-9	6.2	79
1107	Copper-catalyzed β -methylenation of benzylpyridines using dimethylacetamide as one-carbon source. <i>Organic Letters</i> , 2014 , 16, 2050-3	6.2	63
1106	Manganese-mediated C 3 -selective direct alkylation and arylation of 2-pyridones with diethyl malonates and arylboronic acids. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1377-85	4.2	59

1105	Rhodium(III)-catalyzed dearomatizing (3 + 2) annulation of 2-alkenylphenols and alkynes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7607-10	16.4	181
1104	Carboxylate-assisted ruthenium-catalyzed alkyne annulations by C-H/Het-H bond functionalizations. 2014 , 47, 281-95		1356
1103	Ruthenium-katalysierte gekreuzte dehydrierende ortho-N-Carbazolierung von Diarylaminen: ein vielseitiger Zugang zu unsymmetrischen Diaminen. 2014 , 126, 3573-3577		24
1102	Eisen-katalysierte C(sp ²)-H- und C(sp ³)-H-Arylierung mit Triazol-Unterstützung. 2014 , 126, 3949-3952		55
1101	Use of the Wilkinson Catalyst for the ortho-C ² H Heteroarylation of Aromatic Amines: Facile Access to Highly Extended π -Conjugated Heteroacenes for Organic Semiconductors. 2014 , 126, 12354-12358		29
1100	Chiral Cp-Rhodium(III)-Catalyzed Asymmetric Hydroarylations of 1,1-Disubstituted Alkenes. 2014 , 126, 517-521		106
1099	Cationic Ir/Me-BIPAM-Catalyzed Asymmetric Intramolecular Direct Hydroarylation of β -Ketoamides. 2014 , 126, 2696-2699		9
1098	Stereocontrolled synthesis of benzo[k]fluoranthenes--an unexpected isomerization mediated by rhodacyclopentadiene. <i>Chemistry - A European Journal</i> , 2014 , 20, 16442-7	4.8	14
1097	Aromatic Homologation by Non-Chelate-Assisted RhIII-Catalyzed C ² H Functionalization of Arenes with Alkynes. 2014 , 126, 3552-3555		48
1096	Rhodium-Catalyzed C ² H Alkynylation of Arenes at Room Temperature. 2014 , 126, 2760-2764		60
1095	Rhodium(III)-Catalyzed Transannulation of Cyclopropenes with N-Phenoxyacetamides through C ² H Activation. 2014 , 126, 13450-13454		41
1094	Rhodium(III)/Copper(II)-Promoted trans-Selective Heteroaryl Acyloxylation of Alkynes: Stereodefined Access to trans-Enol Esters. 2014 , 126, 14803-14807		8
1093	Redox-neutral rhodium-catalyzed C-H functionalization of arylamine N-oxides with diazo compounds: primary C(sp ³)-H/C(sp ²)-H activation and oxygen-atom transfer. 2015 , 54, 12121-6		114
1092	All-Carbon [3+3] Oxidative Annulations of 1,3-Enynes by Rhodium(III)-Catalyzed C-H Functionalization and 1,4-Migration. 2015 , 54, 9958-62		67
1091	Enantioselective Synthesis of Spiroindenes by Enol-Directed Rhodium(III)-Catalyzed C ² H Functionalization and Spiroannulation. 2015 , 127, 14181-14185		55
1090	Enantioselective Synthesis of Spiroindenes by Enol-Directed Rhodium(III)-Catalyzed C-H Functionalization and Spiroannulation. 2015 , 54, 13975-9		111
1089	Rhodium-Catalyzed Direct C ² H Vinylation of Arenes To Access Styrenes with Vinyl Acetate as a Vinyl Source. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 6135-6140	3.2	17
1088	Metal-Free [4+2] Annulation of Arylalkynes with tert-Butyl Nitrite through C(sp ²)-H Oxidation to Assemble Benzo[e][1,2]oxazin-4-ones. 2015 , 357, 3849-3856		35

1087	Mangankatalysierte Synthese von cis- β -Aminos α -reestern mittels metallorganischer C-H-Aktivierung von Ketiminen. 2015 , 127, 4165-4169		71
1086	Cobalt(III)-katalysierte C-H-Aminocarbonylierung von Arenen und Alkenen mit Isocyanaten und Acylaziden. 2015 , 127, 8671-8674		64
1085	Cobalt(II)-Catalyzed C \equiv H Alkynylation/Annulation with Terminal Alkynes: Selective Access to 3-Methyleneisindolin-1-one. 2015 , 127, 10150-10153		43
1084	Highly Stereoselective Synthesis of Imine-Containing Dibenzo[b,d]azepines by a Palladium(II)-Catalyzed [5+2] Oxidative Annulation of o-Arylanilines with Alkynes. 2015 , 127, 15605-15609		26
1083	Rhodium(III)-Catalyzed Allylic C(sp ³)-H Activation of Alkenyl Sulfonamides: Unexpected Formation of Azabicycles. 2015 , 54, 13337-40		68
1082	Palladium-Catalyzed Direct C-H Arylation of Isoxazoles at the 5-Position. 2015 , 54, 9572-6		36
1081	A [4+1] Cyclative Capture Approach to 3H-Indole-N-oxides at Room Temperature by Rhodium(III)-Catalyzed C \equiv H Activation. 2015 , 54, 15400-4		103
1080	The Mechanism of N-O Bond Cleavage in Rhodium-Catalyzed C-H Bond Functionalization of Quinoline N-oxides with Alkynes: A Computational Study. <i>Chemistry - A European Journal</i> , 2015 , 21, 10131-7	4.8	50
1079	Cobalt(III)-Catalyzed Dehydrative [4+2] Annulation of Oxime with Alkyne by C-H and N-OH Activation. <i>Chemistry - A European Journal</i> , 2015 , 21, 15529-33	4.8	170
1078	Rhodium(III)-Catalyzed Allylic C(sp ³)-H Activation of Alkenyl Sulfonamides: Unexpected Formation of Azabicycles. 2015 , 127, 13535-13538		26
1077	Rhodium(III)-Catalyzed Activation of C \equiv H Bonds and Subsequent Intermolecular Amidation at Room Temperature. 2015 , 127, 9536-9540		29
1076	Rhodium(III)-Catalyzed Amidation of Unactivated C(sp ³)-H Bonds. 2015 , 127, 13241-13244		58
1075	Cp*Rh(III) -Catalyzed Arylation of C(sp ³)-H Bonds. 2015 , 54, 10280-3		76
1074	Rhodium(III)-Catalyzed Amidation of Unactivated C(sp ³)-H Bonds. 2015 , 54, 13049-52		180
1073	Highly Stereoselective Synthesis of Imine-Containing Dibenzo[b,d]azepines by a Palladium(II)-Catalyzed [5+2] Oxidative Annulation of o-Arylanilines with Alkynes. 2015 , 54, 15385-9		82
1072	Regioselective Oxidative Homocoupling Reaction: An Efficient Copper-Catalyzed Synthesis of Bimidazo[1,2-a]pyridines. 2015 , 357, 3109-3114		54
1071	Rhodium(III)-Catalyzed Synthesis of Aryl Spirocycles by Aromatic C \equiv H Activation/Intramolecular Heck-Type Reaction. 2015 , 357, 3880-3884		19
1070	Cobalt-Catalyzed C \equiv H Cyanation of Arenes and Heteroarenes. 2015 , 127, 3706-3709		96

1069	Cobalt(III)-katalysierte dirigierte C-H-Kupplung mit Diazoverbindungen: einfacher Zugang zu ausgedehnten Systemen. 2015 , 127, 4591-4594		86
1068	A [4+1] Cyclative Capture Approach to 3H-Indole-N-oxides at Room Temperature by Rhodium(III)-Catalyzed C-H Activation. 2015 , 127, 15620-15624		26
1067	Rhodium(III)-Catalyzed Activation of C(sp ³)-H Bonds and Subsequent Intermolecular Amidation at Room Temperature. 2015 , 54, 9404-8		95
1066	Cobalt(II)-Catalyzed C(sp ²)-H Alkynylation/Annulation with Terminal Alkynes: Selective Access to 3-Methyleneisoindolin-1-one. 2015 , 54, 10012-5		144
1065	Rh(V) -Nitrenoid as a Key Intermediate in Rh(III) -Catalyzed Heterocyclization by C-H Activation: A Computational Perspective on the Cycloaddition of Benzamide and Diazo Compounds. <i>Chemistry - A European Journal</i> , 2015 , 21, 9209-18	4.8	77
1064	Mechanochemical Rhodium(III)-Catalyzed C-H Bond Functionalization of Acetanilides under Solventless Conditions in a Ball Mill. 2015 , 127, 7522-7525		26
1063	Cp*Co(III) Catalyzed Site-Selective C-H Activation of Unsymmetrical O-Acyl Oximes: Synthesis of Multisubstituted Isoquinolines from Terminal and Internal Alkynes. 2015 , 54, 12968-72		254
1062	Manganese(I)-Catalyzed C-H Aminocarbonylation of Heteroarenes. 2015 , 127, 14343-14346		51
1061	Manganese(I)-Catalyzed C-H Aminocarbonylation of Heteroarenes. 2015 , 54, 14137-40		114
1060	Unprecedented Transformation of a Directing Group Generated In Situ and Its Application in the One-Pot Synthesis of 2-Alkenyl Benzonitriles. <i>Chemistry - A European Journal</i> , 2015 , 21, 11807-12	4.8	12
1059	Ruthenium(II)-Catalyzed C-H Functionalizations with Allenes: Versatile Allenylations and Allylations. <i>Chemistry - A European Journal</i> , 2015 , 21, 16246-51	4.8	89
1058	Rhodium-Catalyzed (5+1) Annulations Between 2-Alkenylphenols and Allenes: A Practical Entry to 2,2-Disubstituted 2H-Chromenes. 2015 , 127, 2404-2407		31
1057	Rhodium(III)-Catalyzed [3+2]/[5+2] Annulation of 4-Aryl 1,2,3-Triazoles with Internal Alkynes through Dual C(sp ²)-H Functionalization. 2015 , 127, 6695-6699		39
1056	Palladium-Catalyzed Direct C-H Arylation of Isoxazoles at the 5-Position. 2015 , 127, 9708-9712		8
1055	Redox-Neutral Rhodium-Catalyzed C-H Functionalization of Arylamine N-Oxides with Diazo Compounds: Primary C(sp ³)-H/C(sp ²)-H Activation and Oxygen-Atom Transfer. 2015 , 127, 12289-12294		35
1054	Cp*Co(III) Catalyzed Site-Selective C-H Activation of Unsymmetrical O-Acyl Oximes: Synthesis of Multisubstituted Isoquinolines from Terminal and Internal Alkynes. 2015 , 127, 13160-13164		87
1053	Double C-H Functionalization to Construct Polycyclic Heteroarenes Catalyzed by an Ionic Salt of a Pd Complex with an N-Heterocyclic Carbene Ligand. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 4131-4142	3.2	23
1052	Rh(III)-Catalyzed Olefination of 2-Aryloxypyridines Using 2-Pyridyloxyl as the Removable Directing Group. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 4782-4787	3.2	12

1051	CF ₃ -Carbenoid C-H Functionalization of (Hetero)arenes under Chelation-Controlled Rh(III) Catalysis. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 4950-4955	3.2	23
1050	Total Synthesis of Codeine. <i>Chemistry - A European Journal</i> , 2015 , 21, 16379-82	4.8	19
1049	Cobalt(III)-Catalyzed C-H/N-O Functionalizations: Isohypsic Access to Isoquinolines. <i>Chemistry - A European Journal</i> , 2015 , 21, 15525-8	4.8	163
1048	Stereospecific Pd-Catalyzed Intermolecular C(sp ³)-C(sp) Cross-Coupling of Diarylmethyl Carbonates and Terminal Alkynes Under Base-Free Conditions. <i>Chemistry - A European Journal</i> , 2015 , 21, 16823-7	4.8	17
1047	Iridium-Catalyzed Annulation of Aromatic Imines with 1,3-Dienes via Direct Functionalization of an Aromatic C-H Bond. 2015 , 357, 1425-1436		28
1046	Ruthenium(II)-katalysierte C-H-Aktivierung/Alkinanellierung durch schwache Koordination mit O ₂ als einzigem Oxidationsmittel. 2015 , 127, 5604-5608		66
1045	Diaryliodoniums by Rhodium(III)-Catalyzed C-H Activation: Mild Synthesis and Diversified Functionalizations. 2015 , 127, 7513-7517		21
1044	Cp*Rh(III)-katalysierte Arylierung von C(sp ³)-H-Bindungen. 2015 , 127, 10419-10422		19
1043	Dehydrative Direct C-H Allylation with Allylic Alcohols under [Cp*Co(III)] Catalysis. 2015 , 54, 9944-7		242
1042	Chelation-Assisted Catalytic C-C, C-Si, and C-Halogen Bond Formation by Substitution via the Cleavage of C(sp ²)-H and C(sp ³)-H Bonds. 2015 , 73, 1099-1110		4
1041	Rh(III)-catalyzed oxime ether-directed heteroarylation of arene through oxidative C-H/C-H cross-coupling. 2015 , 51, 6190-3		42
1040	Transition metal-catalyzed C-H bond functionalizations by the use of diverse directing groups. <i>Organic Chemistry Frontiers</i> , 2015 , 2, 1107-1295	5.2	1160
1039	Palladium-catalyzed dehydrogenative annulation of imidazo[1,2- a]pyridines with diarylalkynes. <i>Tetrahedron Letters</i> , 2015 , 56, 4101-4104	2	18
1038	Ruthenium-catalyzed ortho alkenylation of aromatic nitriles with activated alkenes via C-H bond activation. 2015 , 51, 10738-41		45
1037	Facile Rh(III)-Catalyzed Synthesis of Fluorinated Pyridines. <i>Organic Letters</i> , 2015 , 17, 2567-9	6.2	33
1036	Regioselective Cross-Couplings of Coumarins and Flavones with Ethers via C(sp ³)-H Functionalization. <i>Journal of Organic Chemistry</i> , 2015 , 80, 7251-7	4.2	76
1035	Synthesis of Indolo[1,2-a][1,8]naphthyridines by Rhodium(III)-Catalyzed Dehydrogenative Coupling via Rollover Cyclometalation. <i>Organic Letters</i> , 2015 , 17, 3130-3	6.2	67
1034	Ruthenium(II)-Catalyzed C-H Arylation of Azoarenes by Carboxylate Assistance. 2015 , 5, 4089-4093		76

1033	Rh-catalyzed oxidizing group-directed ortho C-H vinylation of arenes by vinylstannanes. 2015 , 51, 13362-4		36
1032	Rhodium(III)-catalyzed double C-H activation: a straightforward approach to fused imidazo[1,2-a]pyridines from internal alkynes. <i>Tetrahedron Letters</i> , 2015 , 56, 4706-4710	2	15
1031	Rh(III)-catalyzed 7-azaindole synthesis via C-H activation/annulative coupling of aminopyridines with alkynes. 2015 , 51, 11202-5		33
1030	Access to Six- and Seven-Membered 1,7-Fused Indolines via Rh(III)-Catalyzed Redox-Neutral C7-Selective C-H Functionalization of Indolines with Alkynes and Alkenes. <i>Journal of Organic Chemistry</i> , 2015 , 80, 6238-49	4.2	53
1029	Rhodium(III)-catalyzed cyanation of vinylic C-H bonds: N-cyano-N-phenyl-p-toluenesulfonamide as a cyanation reagent. 2015 , 51, 11848-51		41
1028	All-Carbon [3+3] Oxidative Annulations of 1,3-Enynes by Rhodium(III)-Catalyzed C-H Functionalization and 1,4-Migration. 2015 , 127, 10096-10100		28
1027	Intramolecular cyclization of a diruthenium complex: insight into the mechanism of heteroatom-directed intramolecular C-H/olefin coupling reactions. 2015 , 44, 12507-10		4
1026	Ruthenium(II)-Catalysed Functionalisation of C-H Bonds with Alkenes: Alkenylation versus Alkylation. 2015 , 137-188		40
1025	Rhodium(III)-catalyzed C-H activation and intermolecular annulation with terminal alkynes: from indoles to carbazoles. 2015 , 51, 2925-8		67
1024	Synthesis of isoindolinones via a ruthenium-catalyzed cyclization of N-substituted benzamides with allylic alcohols. 2015 , 51, 2929-32		82
1023	Rhodium-catalyzed (5+1) annulations between 2-alkenylphenols and allenes: a practical entry to 2,2-disubstituted 2H-chromenes. 2015 , 54, 2374-7		99
1022	Multi-site cyclization via initial C-H activation using a rhodium(III) catalyst: rapid assembly of frameworks containing indoles and indolines. 2015 , 51, 2844-7		52
1021	Robust Ruthenium(II)-Catalyzed C-H Arylations: Carboxylate Assistance for the Efficient Synthesis of Angiotensin-II-Receptor Blockers. 2015 , 19, 260-269		251
1020	Ruthenium(II)-catalyzed cross-dehydrogenative C-H alkenylations by triazole assistance. 2015 , 71, 4543-4551		41
1019	Cobalt(III)-catalyzed directed C-H coupling with diazo compounds: straightforward access towards extended β -systems. 2015 , 54, 4508-11		291
1018	A Cp*Co ₂ -dimer as a precursor for cationic Co(III)-catalysis: application to C-H phosphoramidation of indoles. 2015 , 51, 4659-61		113
1017	Aerobic Oxidation of PdII to PdIV by Active Radical Reactants: Direct C-H Nitration and Acylation of Arenes via Oxygenation Process with Molecular Oxygen. 2015 , 5, 1956-1963		173
1016	Palladium(II)-catalysed ortho-arylation of N-benzylpiperidines. 2015 , 51, 4406-9		20

1015	Iridium- and rhodium-catalyzed C-H activation and formyl alkynylation of benzaldehydes under chelation-assistance. <i>Organic Letters</i> , 2015 , 17, 920-3	6.2	88
1014	Cp*Co(III)-catalyzed oxidative C-H alkenylation of benzamides with ethyl acrylate. 2015 , 71, 4552-4556		91
1013	C-H bond functionalization based on metal carbene migratory insertion. 2015 , 51, 7986-95		194
1012	Rhodium(III)-catalyzed vinylic C-H activation: a direct route toward pyridinium salts. <i>Organic Letters</i> , 2015 , 17, 924-7	6.2	59
1011	Rhodium-catalyzed dehydrogenative coupling of phenylheteroarenes with alkynes or alkenes. <i>Journal of Organic Chemistry</i> , 2015 , 80, 2804-14	4.2	41
1010	Rhodium(III)-katalysierte Abfangcyclisierung zu vielfältigen 1-Aminoindolinderivaten bei Raumtemperatur. 2015 , 127, 1677-1681		32
1009	Catalytic dehydrogenative aromatization: an alternative route to functionalized arenes. <i>Organic Chemistry Frontiers</i> , 2015 , 2, 279-287	5.2	72
1008	Cp*Co(III)-Catalyzed C-H Activation of (Hetero)arenes: Expanding the Scope of Base-Metal-Catalyzed C-H Functionalizations. 2015 , 7, 732-734		117
1007	Carboxylic acids as traceless directing groups for the rhodium(III)-catalyzed decarboxylative C-H arylation of thiophenes. 2015 , 54, 3817-21		198
1006	Iridium(III)-Catalyzed Benzylic Amine Directed C-H Sulfonamidation of Arenes with Sulfonyl Azides. 2015 , 7, 743-746		27
1005	Transition-metal-catalyzed arylation of nitroimidazoles and further transformations of manipulable nitro group. <i>Journal of Organic Chemistry</i> , 2015 , 80, 2103-19	4.2	27
1004	Manganese-catalyzed synthesis of cis- β -amino acid esters through organometallic C-H activation of ketimines. 2015 , 54, 4092-6		152
1003	Rhodium-catalyzed C-H functionalization-based approach to eight-membered lactams. 2015 , 6, 2275-2285		110
1002	Rhodium(III)-Catalyzed in situ Oxidizing Directing Group- Assisted C-H Bond Activation and Olefination: A Route to 2-Vinylnilines. 2015 , 357, 761-766		31
1001	Rhodium-Catalyzed Desulfination of Sodium Arenesulfonates and Oxidative Annulation with Alkynes. 2015 , 357, 489-499		5
1000	Copper-mediated formally dehydrative biaryl coupling of azine N-oxides and oxazoles. <i>Journal of Organic Chemistry</i> , 2015 , 80, 2384-91	4.2	46
999	Dual role of Rh(III) catalyst enables regioselective halogenation of (electron-rich) heterocycles. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1448-51	16.4	106
998	Rhodium-catalysed direct C-H allylation of N-sulfonyl ketimines with allyl carbonates. 2015 , 51, 2980-3		41

997	Synthesis of spiroindanes by palladium-catalyzed oxidative annulation of non- or weakly activated 1,3-dienes involving C-H functionalization. 2015 , 51, 2613-6		34
996	Ruthenium(II)-Catalyzed C-H Arylation of Anilides with Boronic Acids, Boronic Acids and Potassium Trifluoroborates. 2015 , 357, 474-480		43
995	Rhodium-catalyzed C-H activation of phenacyl ammonium salts assisted by an oxidizing C-N bond: a combination of experimental and theoretical studies. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1623-31	16.4	286
994	Pd(0)-catalyzed chemoselective construction of spirocarbocycles via an alkyne insertion/ π -naphthol dearomatization cascade. 2015 , 51, 3061-4		46
993	Transition-metal-catalyzed π -bond-assisted C - H bond functionalization: an emerging trend in organic synthesis. 2015 , 10, 824-38		149
992	Total synthesis of Sparstolonin B, a potent anti-inflammatory agent. 2015 , 5, 12354-12357		12
991	Rhodium(III)-catalyzed oxidative alkenylation of 1,3-dithiane-protected arenecarbaldehydes via regioselective C-H bond cleavage. <i>Organic Letters</i> , 2015 , 17, 704-7	6.2	49
990	An efficient method for the preparation of styrene derivatives via Rh(III)-catalyzed direct C-H vinylation. <i>Organic Letters</i> , 2015 , 17, 1332-5	6.2	50
989	Ru(II)-catalyzed oxidative spiroannulation of 2-arylphenols with alkynes via a C-H activation/dearomatization strategy. <i>Journal of Organic Chemistry</i> , 2015 , 80, 3349-56	4.2	58
988	Synthesis of indolines by copper-mediated intramolecular aromatic C-h amination. <i>Journal of Organic Chemistry</i> , 2015 , 80, 3242-9	4.2	63
987	Ruthenium(II)-catalyzed C-H activation/alkyne annulation by weak coordination with O ₂ as the sole oxidant. 2015 , 54, 5513-7		205
986	Cobalt-catalyzed C-H arylations with weakly-coordinating amides and tetrazoles: expedient route to angiotensin-II-receptor blockers. <i>Chemistry - A European Journal</i> , 2015 , 21, 5718-22	4.8	61
985	Transition-metal-catalyzed direct addition of unactivated C-H bonds to polar unsaturated bonds. <i>Chemical Reviews</i> , 2015 , 115, 3468-517	68.1	575
984	Ruthenium as a Single Catalyst for Two Steps: One-Pot Ruthenium(II)-Catalyzed Aerobic Oxidative Dehydrogenation of Dihydroquinazolinones and Cross-Coupling/Annulation to give N-Fused Polycyclic Heteroarenes. 2015 , 4, 462-469		11
983	Carboxylic Acids as Traceless Directing Groups for the Rhodium(III)-Catalyzed Decarboxylative C-H Arylation of Thiophenes. 2015 , 127, 3888-3892		69
982	Rhodium-catalyzed ortho-selective C-H halogenation of 2-arylbenzo[d]thiazoles using N-halosuccinimides as halogen sources. 2015 , 71, 2376-2381		25
981	Rh(III)-catalyzed cyclization reaction of azoles with alkynes: efficient synthesis ofazole-fused-pyridines. 2015 , 13, 9186-9		8
980	Copper-Mediated Oxidative Coupling of Benzamides with Maleimides via Directed C-H Cleavage. <i>Organic Letters</i> , 2015 , 17, 4034-7	6.2	109

979	Microwave-assisted, ruthenium-catalyzed intramolecular amide-alkyne annulation for the rapid synthesis of fused tricyclic isoquinolinones. 2015 , 5, 68510-68514		24
978	Rhodium-catalyzed direct ortho-alkenylation of phenyl sulfones with alkynes utilizing sulfonyl function as modifiable directing group. 2015 , 71, 6506-6512		18
977	Cooperative C(sp ³) _H and C(sp ²) _H Activation of 2-Ethylpyridines by Copper and Rhodium: A Route toward Quinolizinium Salts. 2015 , 5, 4837-4841		49
976	Ruthenium-catalyzed cyclization of N-carbamoyl indolines with alkynes: an efficient route to pyrroloquinolinones. 2015 , 13, 9276-84		22
975	Copper-Catalyzed Formal [4 + 1] Cycloaddition of Benzamides and Isonitriles via Directed C-H Cleavage. <i>Organic Letters</i> , 2015 , 17, 4066-9	6.2	65
974	Mechanistic Understanding of the Divergent Reactivity of Cyclopropenes in Rh(III)-Catalyzed C-H Activation/Cycloaddition Reactions of N-Phenoxyacetamide and N-Pivaloxybenzamide. <i>Journal of Organic Chemistry</i> , 2015 , 80, 8113-21	4.2	57
973	Experimental and DFT Studies Explain Solvent Control of C-H Activation and Product Selectivity in the Rh(III)-Catalyzed Formation of Neutral and Cationic Heterocycles. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9659-69	16.4	90
972	Rh(III)- and Ir(III)-Catalyzed Direct C _H Bond Transformations to Carbon _H Heteroatom Bonds. 2015 , 29-51		57
971	Expedient Access to 2,3-Dihydropyridines from Unsaturated Oximes by Rh(III)-Catalyzed C-H Activation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8892-5	16.4	89
970	Synthesis of Pyrroles through Rhodium(III)-Catalyzed Reactions of Allylamines and Alkenes. <i>Organic Letters</i> , 2015 , 17, 3842-5	6.2	31
969	Pyridine N-Oxide vs Pyridine Substrates for Rh(III)-Catalyzed Oxidative C-H Bond Functionalization. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9843-54	16.4	82
968	Cobalt(III)-Catalyzed Directed C-H Allylation. <i>Organic Letters</i> , 2015 , 17, 3714-7	6.2	162
967	Rhodium(III)-catalyzed oxidative bicyclization of 4-arylbut-3-yn-1-amines with internal alkynes through C-H functionalization. 2015 , 51, 13550-3		14
966	Palladium(II)-catalyzed Sequential ortho-olefination of α -arylethamines with assistance of oxalyl amide. 2015 , 5, 60646-60649		9
965	Rh/Rh catalyst-controlled divergent aryl/heteroaryl C-H bond functionalization of picolinamides with alkynes. 2015 , 6, 5802-5814		78
964	Mechanistic Understanding of the Aryl-Dependent Ring Formations in Rh(III)-Catalyzed C _H Activation/Cycloaddition of Benzamides and Methylenecyclopropanes by DFT Calculations. 2015 , 34, 3012-3020		60
963	Nanocrystalline magnesium oxide-stabilized palladium(0): an efficient and reusable catalyst for synthesis of N-(2-pyridyl)indoles. 2015 , 39, 3399-3404		14
962	Ambient-Temperature Ortho C-H Arylation of Benzoic Acids with Aryl Iodides with Ligand-Supported Palladium Catalyst. <i>Organic Letters</i> , 2015 , 17, 3418-21	6.2	64

961	Theoretical investigations on Rh(III)-catalyzed cross-dehydrogenative aryl-aryl coupling via C-H bond activation. 2015 , 119, 2989-97		13
960	Expedient synthesis of pyrroloquinolinones by Rh-catalyzed annulation of N-carbamoyl indolines with alkynes through a directed C-H functionalization/C-N cleavage sequence. <i>Organic Letters</i> , 2015 , 17, 1481-4	6.2	76
959	Nickel-catalyzed hydroimination of alkynes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6136-9	16.4	31
958	Rhodium(III)-Catalyzed [3+2]/[5+2] Annulation of 4-Aryl 1,2,3-Triazoles with Internal Alkynes through Dual C(sp ²)-H Functionalization. 2015 , 54, 6595-9		121
957	Cobalt(II)-Catalyzed Oxidative C-H Alkenylations: Regio- and Site-Selective Access to Isoindolin-1-one. 2015 , 5, 2822-2825		157
956	Synthesis of dibenzo[c,e]oxepin-5(7H)-ones from benzyl thioethers and carboxylic acids: rhodium-catalyzed double C-H activation controlled by different directing groups. 2015 , 54, 5478-82		89
955	Chiral Cyclopentadienyls: Enabling Ligands for Asymmetric Rh(III)-Catalyzed C-H Functionalizations. 2015 , 48, 1308-18		633
954	Benzylic ethers as arylcarboxy surrogates in substrate directed ortho C-H functionalisation catalysed by copper. 2015 , 5, 36461-36466		18
953	Cobalt(III)-Catalyzed Aryl and Alkenyl C-H Aminocarbonylation with Isocyanates and Acyl Azides. 2015 , 54, 8551-4		171
952	Nickel-catalyzed synthesis of diarylsulfides and sulfones via C-H bond functionalization of arylamides. 2015 , 13, 6803-13		81
951	Mechanistic studies on C-H reductive coupling of five-coordinate Rh(III) complexes. <i>Organic Chemistry Frontiers</i> , 2015 , 2, 783-791	5.2	6
950	Redox-neutral palladium-catalyzed C-H functionalization to form isoindolinones with carboxylic acids or anhydrides as readily available starting materials. <i>Organic Letters</i> , 2015 , 17, 2764-7	6.2	44
949	Cp*Rh(III) and Cp*Ir(III)-catalysed redox-neutral C-H arylation with quinone diazides: quick and facile synthesis of arylated phenols. 2015 , 51, 10240-3		73
948	Rh(III)-Catalyzed C-H Alkylation of Arenes Using Alkylboron Reagents. <i>Organic Letters</i> , 2015 , 17, 2812-5	6.2	95
947	Rhodium-Catalyzed Decarbonylative Direct Olefination of Arenes with Vinyl Carboxylic Acids. 2015 , 357, 1229-1236		29
946	Rh/Cu-catalyzed multiple C-H, C-C, and C-N bond cleavage: facile synthesis of pyrido[2,1-a]indoles from 1-(pyridin-2-yl)-1H-indoles and α -substituted propargyl alcohols. 2015 , 51, 6777-80		47
945	Rh(III)- or Ir(III)-catalyzed ynone synthesis from aldehydes via chelation-assisted C-H bond activation. 2015 , 51, 7871-4		43
944	Palladium-Catalyzed Direct Arylation of Allylamines with Simple Arenes. 2015 , 7, 1275-1279		12

943	Oxidative Olefination of Anilides with Unactivated Alkenes Catalyzed by an (Electron-Deficient [(5)-Cyclopentadienyl]Rhodium(III) Complex Under Ambient Conditions. <i>Chemistry - A European Journal</i> , 2015 , 21, 9053-6	4.8	85
942	Iron-catalyzed C(sp ²)-H and C(sp ³)-H methylations of amides and anilides. <i>Chemistry - A European Journal</i> , 2015 , 21, 8812-5	4.8	88
941	Rhodium(III)-Catalyzed [2+2+2] Cyclotrimerization of Diynes with Maleic Anhydrides as Alkyne Equivalents. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 3032-3035	3.2	8
940	Regiospecific Benzoylation of Electron-Deficient N-Heterocycles with Methylbenzenes via a Minisci-Type Reaction. <i>Journal of Organic Chemistry</i> , 2015 , 80, 5625-32	4.2	51
939	A Unique Alkylation of Azobenzenes with Allyl Acetates by Rh(III)-Catalyzed C-H Functionalization. <i>Organic Letters</i> , 2015 , 17, 2450-3	6.2	42
938	Rhenium-Catalyzed [4 + 1] Annulation of Azobenzenes and Aldehydes via Isolable Cyclic Rhenium(I) Complexes. <i>Organic Letters</i> , 2015 , 17, 2434-7	6.2	85
937	Rhodium(III)-Catalyzed Activation and Functionalization of Pyridine C-H Bond by Exploring a Unique Double Role of N-Heterocyclic Carbene-Pyridyl Ligand Platform. 2015 , 34, 1890-1897		36
936	Diaryliodoniums by Rhodium(III)-Catalyzed C-H Activation: Mild Synthesis and Diversified Functionalizations. 2015 , 54, 7405-9		56
935	Cobalt(III)-Catalyzed C-H Bond Amidation with Isocyanates. <i>Organic Letters</i> , 2015 , 17, 2400-3	6.2	140
934	Mechanochemical Rhodium(III)-Catalyzed C-H Bond Functionalization of Acetanilides under Solventless Conditions in a Ball Mill. 2015 , 54, 7414-7		91
933	[Cp*RhCl ₂] ₂ -Catalyzed Alkyne Hydroamination to 1,2-Dihydroquinolines. 2015 , 34, 1779-1782		9
932	Cu-catalyzed oxidative Povarov reactions between N-alkyl N-methylanilines and saturated oxa- and thiacycles. 2015 , 51, 6625-8		46
931	Rhodium-catalyzed cross-coupling of aryl carbamates with arylboron reagents. 2015 , 71, 4484-4489		31
930	Synthesis of Dibenzo[c,e]oxepin-5(7H)-ones from Benzyl Thioethers and Carboxylic Acids: Rhodium-Catalyzed Double C-H Activation Controlled by Different Directing Groups. 2015 , 127, 5568-5572		26
929	Realized C-H functionalization of aryldiazo compounds via rhodium relay catalysis. <i>Organic Letters</i> , 2015 , 17, 1810-3	6.2	54
928	Rh(III)-catalyzed oxidative annulation of 2-phenylimidazo[1,2-a]pyridines with alkynes: mono versus double C-H activation. <i>Journal of Organic Chemistry</i> , 2015 , 80, 3471-9	4.2	94
927	Ni(II)/BINOL-catalyzed alkenylation of unactivated C(sp ³)-H bonds. 2015 , 51, 7899-902		76
926	Density functional theory study of Rh(III)-catalyzed C-H activations and intermolecular annulations between benzamide derivatives and allenes. 2015 , 54, 3958-69		25

925	Selective Cyclization of Arylnitrones to Indolines under External Oxidant-Free Conditions: Dual Role of Rh(III) Catalyst in the C-H Activation and Oxygen Atom Transfer. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4908-11	16.4	147
924	Asymmetric Dearomatization of Naphthols via a Rh-Catalyzed C(sp ²)-H Functionalization/Annulation Reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4880-3	16.4	238
923	Directing group-assisted transition-metal-catalyzed vinylic C-H bond functionalization. 2015 , 58, 1252-1265		81
922	Substrate activation strategies in rhodium(III)-catalyzed selective functionalization of arenes. 2015 , 48, 1007-20		819
921	From Indoles to Carbazoles: Tandem Cp*Rh(III)-Catalyzed C-H Activation/Bronsted Acid-Catalyzed Cyclization Reactions. 2015 , 5, 6453-6457		111
920	Rhodium(III)-Catalyzed Direct Coupling of Arylphosphine Derivatives with Heterobicyclic Alkenes: A Concise Route to Biarylphosphines and Dibenzophosphole Derivatives. 2015 , 5, 6634-6639		80
919	Selective remote C-H sulfonylation of aminoquinolines with arylsulfonyl chlorides via copper catalysis. 2015 , 51, 16928-31		109
918	A C-H bond activation-based catalytic approach to tetrasubstituted chiral allenes. 2015 , 6, 7946		107
917	Rhodium(III)-Catalyzed C-H Activation/Alkyne Annulation by Weak Coordination of Peresters with O-O Bond as an Internal Oxidant. <i>Organic Letters</i> , 2015 , 17, 4960-3	6.2	69
916	N-Acyl Amino Acid Ligands for Ruthenium(II)-Catalyzed meta-C-H tert-Alkylation with Removable Auxiliaries. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13894-901	16.4	245
915	Rhodium(III)-catalyzed annulation of 2-arylimidazo[1,2-a]pyridines and alkynes via direct double C-H activation. 2015 , 71, 8200-8207		24
914	A concise approach for the synthesis of 3-iodoindoles and 3-iodobenzo[b]furans via Ph ₃ P-catalyzed iodocyclization. 2015 , 71, 8271-8277		20
913	Ruthenium(II) Catalyzed Regiospecific C-H/O-H Annulations of Directing Arenes via Weak Coordination. <i>Organic Letters</i> , 2015 , 17, 5678-81	6.2	27
912	Copper-Catalyzed Cross-Dehydrogenative C-N Bond Formation of Azines with Azoles: Overcoming the Limitation of Oxidizing N-H Activation Strategy. 2015 , 5, 7194-7198		57
911	Cobalt(III)-Catalyzed C-H Alkynylation with Bromoalkynes under Mild Conditions. <i>Organic Letters</i> , 2015 , 17, 5316-9	6.2	143
910	DFT Studies on the Mechanism of the Rhodium(III)-Catalyzed C-H Activation of N-Phenoxyacetamide. <i>Journal of Organic Chemistry</i> , 2015 , 80, 10686-93	4.2	50
909	Selective C-H and C-C Bond Activation: Electronic Regimes as a Tool for Designing d(10) MLn Catalysts. 2015 , 10, 2272-82		9
908	Dehydrative Direct C-H Allylation with Allylic Alcohols under [Cp*Co(III)] Catalysis. 2015 , 127, 10082-10085		76

907	Synthesis of Polyheteroaromatic Compounds via Rhodium-Catalyzed Multiple C-H Bond Activation and Oxidative Annulation. <i>Organic Letters</i> , 2015 , 17, 5032-5	6.2	48
906	Regioselective synthesis of multisubstituted isoquinolones and pyridones via Rh(III)-catalyzed annulation reactions. 2015 , 51, 17277-80		94
905	One-Pot Synthesis of Polysubstituted Spirofluorene-Indene via Ru(II)-Catalyzed [3 + 2] Annulation and Intramolecular Friedel-Crafts Cyclization. <i>Journal of Organic Chemistry</i> , 2015 , 80, 9973-9	4.2	16
904	Rhodium(III)-Catalyzed C-H Activation: An Oxidative Intramolecular Heck-Type Reaction Directed by a Carboxylic Acid. 2015 , 26, 1520-1524		34
903	Palladium(II)-catalyzed direct alkenylation of dihydropyranones. 2015 , 13, 10675-80		5
902	Rh(III)-catalyzed direct C \equiv N cyanation of N-methoxybenzamides using N-cyano-N-phenyl-p-toluenesulfonamide. 2015 , 36, 1175-1182		7
901	Ir(III)-Catalyzed Oxidative Coupling of NH Isoquinolones with Benzoquinone. <i>Organic Letters</i> , 2015 , 17, 4204-7	6.2	47
900	Palladium(II)-Catalyzed Direct C-H Alkenylation of Thienothiophene and Related Fused Heteroarenes. <i>Organic Letters</i> , 2015 , 17, 4384-7	6.2	24
899	Recent advances in the ruthenium-catalyzed hydroarylation of alkynes with aromatics: synthesis of trisubstituted alkenes. 2015 , 13, 10420-36		120
898	Rh(III)- and Ir(III)-Catalyzed C \equiv C Bond Cross Couplings from C \equiv N Bonds. 2015 , 1-27		32
897	Iridium(III)-catalyzed direct arylation of C-H bonds with diaryliodonium salts. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12231-40	16.4	129
896	Catalytic Formation of β -Aryl Ketones by C-H Functionalization with Cyclic Alkenyl Carbonates and One-Pot Synthesis of Isocoumarins. <i>Organic Letters</i> , 2015 , 17, 4850-3	6.2	52
895	Synthesis of indoles and polycyclic amides via ruthenium(II)-catalyzed C-H activation and annulation. 2015 , 13, 11228-34		30
894	Mechanistic insights into cobalt(ii/iii)-catalyzed C-H oxidation: a combined theoretical and experimental study. 2015 , 6, 7059-7071		150
893	Synthesis of 1,2-Dihydropyridines Catalyzed by Well-Defined Low-Valent Cobalt Complexes: C \equiv N Activation Made Simple. 2015 , 5, 7493-7497		52
892	Rhodium(III)-Catalyzed C-H Activation and Annulation with 1-Alkynylphosphine Sulfides: A Mild and Regioselective Access for the Synthesis of Bulky Phosphine Ligands. <i>Journal of Organic Chemistry</i> , 2015 , 80, 12397-409	4.2	30
891	Selective C-H Activation of Methoxy Groups in a Three-Component Photoreaction. <i>Journal of Organic Chemistry</i> , 2015 , 80, 12711-7	4.2	9
890	Cationic iridacarboranes [3-(arene)-3,1,2-IrC ₂ B ₉ H ₁₁] ⁺ and [3-(MeCN) ₃ -3,1,2-IrC ₂ B ₉ H ₁₁] ⁺ : Synthesis, reactivity, and bonding. Catalysis of oxidative coupling of benzoic acid with alkynes. 2015 , 793, 232-240		22

889	Sodium Halides as Halogenating Reagents: Rhodium(III)-Catalyzed Versatile and Practical Halogenation of Aryl Compounds. 2015 , 357, 345-349		49
888	Rh(III)-catalyzed redox-neutral C-H activation of pyrazolones: an economical approach for the synthesis of N-substituted indoles. <i>Organic Letters</i> , 2015 , 17, 310-3	6.2	49
887	Rhodium(III)-catalyzed cyclative capture approach to diverse 1-aminoindoline derivatives at room temperature. 2015 , 54, 1657-61		119
886	Oxidative Alkenylation/Annulation of Benzimidates via Ruthenium(II)-Catalyzed C-H Activation to Generate 3-Methyleneisoindolin-1-ones. 2015 , 357, 395-399		39
885	Rh(III)-catalyzed C-H activation/cyclization of benzamides and diazo compounds to form isocoumarins and β -pyrones. 2015 , 51, 2380-3		89
884	Rhodium(III)-catalyzed C7-position C-H alkenylation and alkynylation of indolines. 2015 , 51, 2532-5		89
883	Regioselective Direct Arylation of Fused 3-Nitropyridines and Other Nitro-Substituted Heteroarenes: The Multipurpose Nature of the Nitro Group as a Directing Group. 2015 , 7, 316-324		19
882	Ir(III)-Catalyzed Aromatic C-H Bond Functionalization via Metal Carbene Migratory Insertion. <i>Journal of Organic Chemistry</i> , 2015 , 80, 223-36	4.2	127
881	Rh(III)-catalyzed selenylation of arenes with selenenyl chlorides/diselenides via C-H activation. <i>Organic Letters</i> , 2015 , 17, 58-61	6.2	102
880	Transition-metal-catalyzed etherification of unactivated CH bonds. <i>Tetrahedron Letters</i> , 2015 , 56, 15-22	2	65
879	Combined experimental and computational investigations of rhodium-catalysed C-H functionalisation of pyrazoles with alkenes. <i>Chemistry - A European Journal</i> , 2015 , 21, 3087-96	4.8	26
878	C-H arylation of triphenylene, naphthalene and related arenes using Pd/C. 2015 , 6, 1816-1824		78
877	Cobalt(III)-catalyzed synthesis of indazoles and furans by C-H bond functionalization/addition/cyclization cascades. <i>Journal of the American Chemical Society</i> , 2015 , 137, 490-8	16.4	369
876	Construction of 3-(picolinoyl)indolizines: Rh(III)-catalyzed cascade reactions of 2-vinylpyridines. <i>Journal of Organic Chemistry</i> , 2015 , 80, 2942	4.2	
875	High-Valent Co(III)- and Ni(II)-Catalyzed C-H Activation. <i>Catalysis Letters</i> , 2015 , 145, 458-467	2.8	87
874	Tandem Catalysis: Rh(III)-Catalyzed C-H Allylation/Pd(II)-Catalyzed N-Allylation Toward the Synthesis of Vinyl-Substituted N-Heterocycles. 2015 , 5, 210-214		86
873	Rh(III)-Catalyzed Oxidative Coupling of Benzoic Acids with Geminal-Substituted Vinyl Acetates: Synthesis of 3-Substituted Isocoumarins. <i>Journal of Organic Chemistry</i> , 2015 , 80, 620-7	4.2	89
872	The palladium-catalyzed intermolecular C-H chalcogenation of arenes. <i>Journal of Organic Chemistry</i> , 2015 , 80, 367-74	4.2	87

871	Transition metal-catalyzed C-H functionalization of N-oxyenamine internal oxidants. <i>Chemical Society Reviews</i> , 2015 , 44, 1155-71	58.5	426
870	Ruthenium(II)-catalyzed C-H acyloxylation of phenols with removable auxiliary. <i>Chemistry - A European Journal</i> , 2015 , 21, 1790-4	4.8	51
869	Late-stage diversification of biologically active pyridazinones via a direct C-H functionalization strategy. 2015 , 13, 539-48		5
868	Rh(III)-catalyzed oxidative C-H bond arylation with hydroquinones: sustainable synthesis of dibenzo[b,d]pyran-6-ones and benzo[d]naphtho[1,2-b]pyran-6-ones. 2015 , 51, 661-4		36
867	Rhodium(III)-catalyzed C-H/C-C activation sequence: vinylcyclopropanes as versatile synthons in direct C-H allylation reactions. 2015 , 51, 77-80		90
866	One-pot cascade synthesis of N-methoxyisoquinolinediones via Rh(III)-catalyzed carbenoid insertion C-H activation/cyclization. 2015 , 51, 668-71		97
865	Cobalt-catalyzed C-H cyanation of arenes and heteroarenes. 2015 , 54, 3635-8		283
864	Transition-Metal-Catalyzed Redox-Neutral and Redox-Green C-H Bond Functionalization. 2016 , 16, 1807-18		7
863	Heterocycles Synthesis via Co-Catalyzed C-H Bond Functionalization. 2016 , 317-338		
862	Cobalt(III)-katalysierte redoxneutrale Synthese von freien Indolen durch N-N-Bindungsspaltung. 2016 , 128, 3261-3265		44
861	Highly Stereoselective Cobalt(III)-Catalyzed Three-Component C-H Bond Addition Cascade. 2016 , 128, 12840-12844		42
860	Metal-Catalyzed Annulations through Activation and Cleavage of C-H Bonds. 2016 , 55, 11000-19		389
859	Enantioselective Access to Spirocyclic Sultams by Chiral Cp(x) -Rhodium(III)-Catalyzed Annulations. <i>Chemistry - A European Journal</i> , 2016 , 22, 2270-3	4.8	111
858	Rh-Catalyzed Synthesis of Nitrogen-Containing Heterocycles. 2016 , 117-160		1
857	Rhodium-Catalyzed Direct C-H Phosphorylation of (Hetero)arenes Suitable for Late-Stage Functionalization. 2016 , 358, 1296-1301		41
856	Transition-metal-catalyzed Chelation-assisted C-H Functionalization of Aromatic Substrates. 2016 , 16, 886-96		31
855	High-Valent-Cobalt-Catalyzed C-H Functionalization Based on Concerted Metalation-Deprotonation and Single-Electron-Transfer Mechanisms. 2016 , 8, 1242-1263		238
854	Direct Synthesis of Protoberberine Alkaloids by Rh-Catalyzed C-H Bond Activation as the Key Step. <i>Chemistry - A European Journal</i> , 2016 , 22, 1800-4	4.8	30

853	Weak O-Assistance Outcompeting Strong N,N-Bidentate Directing Groups in Copper-Catalyzed C-H Chalcogenation. <i>Chemistry - A European Journal</i> , 2016 , 22, 8475-8	4.8	48
852	Rhodium-Catalysed Enantioselective C _H Functionalization in Asymmetric Synthesis. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 1459-1475	3.2	42
851	Cobalt-Catalyzed Oxidative Annulation of Nitrogen-Containing Arenes with Alkynes: An Atom-Economical Route to Heterocyclic Quaternary Ammonium Salts. 2016 , 128, 1876-1880		49
850	Rhodium(III)-Catalyzed Synthesis of Indole Derivatives From Pyrimidyl-Substituted Anilines and Diazo Compounds. 2016 , 358, 661-666		49
849	Easy Access to 1-Amino and 1-Carbon Substituted Isoquinolines via Cobalt-Catalyzed C [?] H/N [?] O Bond Activation. 2016 , 358, 774-783		101
848	Cobalt-Catalyzed Oxidative Annulation of Nitrogen-Containing Arenes with Alkynes: An Atom-Economical Route to Heterocyclic Quaternary Ammonium Salts. 2016 , 55, 1844-8		173
847	Expedient Iron-Catalyzed C-H Allylation/Alkylation by Triazole Assistance with Ample Scope. 2016 , 55, 1484-8		152
846	Photoinduced Copper-Catalyzed C-H Arylation at Room Temperature. 2016 , 55, 4759-62		104
845	C-H arylations of 1,2,3-triazoles by reusable heterogeneous palladium catalysts in biomass-derived γ -valerolactone. 2016 , 52, 9777-80		88
844	Rhodium(III)-Catalyzed Direct C [?] H Olefination of Arenes with Aliphatic Olefins. 2016 , 358, 573-583		48
843	Photoinduced Copper-Catalyzed C _H Arylation at Room Temperature. 2016 , 128, 4837-4840		34
842	Metallkatalysierte Anellierungen durch Aktivierung und Spaltung von C-H-Bindungen. 2016 , 128, 11164-11184		106
841	Highly Stereoselective Cobalt(III)-Catalyzed Three-Component C-H Bond Addition Cascade. 2016 , 55, 12650-4		123
840	Cooperative Reductive Elimination: The Missing Piece in the Oxidative-Coupling Mechanistic Puzzle. 2016 , 55, 2764-7		38
839	A General Strategy for the Nickel-Catalyzed C-H Alkylation of Anilines. 2016 , 55, 3153-7		110
838	Diastereoselective [3+2] Annulation of Aromatic/Vinylic Amides with Bicyclic Alkenes through Cobalt-Catalyzed C-H Activation and Intramolecular Nucleophilic Addition. 2016 , 55, 4308-11		128
837	Mild C-H/C-C Activation by Z-Selective Cobalt Catalysis. 2016 , 55, 7408-12		143
836	Synthesis of Mesoionic Isoquinolines by Rhodium(III)-Catalyzed C-H Activation. <i>Chemistry - A European Journal</i> , 2016 , 22, 907-10	4.8	15

835	Cobalt-Catalyzed Oxidase C-H/N-H Alkyne Annulation: Mechanistic Insights and Access to Anticancer Agents. <i>Chemistry - A European Journal</i> , 2016 , 22, 6759-63	4.8	102
834	Rhodium-Catalyzed Tandem Annulation Reactions of 7-Azaindoles with Electron-Deficient Olefins via Double C-H Activation. 2016 , 358, 1595-1601		21
833	A General Strategy for the Nickel-Catalyzed C-H Alkylation of Anilines. 2016 , 128, 3205-3209		35
832	Manganese(I)-Catalyzed Substitutive C-H Allylation. 2016 , 128, 7878-7881		64
831	Mild C-H/C=C Activation by Z-Selective Cobalt Catalysis. 2016 , 128, 7534-7538		48
830	Ru-Catalyzed One-Pot Diannulation of Heteroaryls: Direct Access to π -Conjugated Polycyclic Amides. <i>Organic Letters</i> , 2016 , 18, 6416-6419	6.2	45
829	Rhodium-Catalyzed β -Selective Oxidative Heck-Type Coupling of Vinyl Acetate via C-H Activation. <i>Organic Letters</i> , 2016 , 18, 6356-6359	6.2	24
828	Nitrone Directing Groups in Rhodium(III)-Catalyzed C-H Activation of Arenes: 1,3-Dipoles versus Traceless Directing Groups. 2016 , 128, 15577-15581		20
827	Ruthenium(II)-Catalyzed Oxidant-Free C-H Olefination of Aromatic Carboxamides with Allyl Acetate. 2016 , 358, 3932-3937		15
826	Concurrent Formation of Carbon-Carbon Bonds and Functionalized Graphene by Oxidative Carbon-Hydrogen Coupling Reaction. 2016 , 6, 25824		37
825	Regioselective Synthesis of 3-Hydroxy-4,5-alkyl-Substituted Pyridines Using 1,3-Enynes as Alkynes Surrogates. <i>Organic Letters</i> , 2016 , 18, 1756-9	6.2	19
824	Access to Isoquinolines and Isoquinolin-3-ols via Rh(III)-Catalyzed Coupling/Cyclization Cascade Reaction of Arylimidates and Diazo Compounds. <i>Journal of Organic Chemistry</i> , 2016 , 81, 3901-10	4.2	40
823	Rh(III)-catalyzed chemoselective C-H functionalizations of tertiary aniline N-oxides with alkynes. 2016 , 52, 6253-6		15
822	Single-Component Phosphinous Acid Ruthenium(II) Catalysts for Versatile C-H Activation by Metal-Ligand Cooperation. <i>Chemistry - A European Journal</i> , 2016 , 22, 1248-52	4.8	61
821	Palladium-Catalyzed Annulation of Internal Alkynes: Direct Access to π -Conjugated Ullazines. <i>Organic Letters</i> , 2016 , 18, 2876-9	6.2	30
820	A unique annulation of 7-azaindoles with alkenyl esters to produce π -conjugated 7-azaindole derivatives. 2016 , 14, 5214-8		23
819	Iridium- and rhodium-catalyzed C-H activation and formyl arylation of benzaldehydes under chelation-assistance. 2016 , 14, 5233-7		17
818	Ruthenium Oxidase Catalysis for Site-Selective C-H Alkenylations with Ambient O ₂ as the Sole Oxidant. 2016 , 55, 264-7		137

817	C _H carboxylation of heteroarenes with ambient CO ₂ . 2016 , 18, 3804-3807		55
816	Synthesis and Application of Chiral Spiro Cp Ligands in Rhodium-Catalyzed Asymmetric Oxidative Coupling of Biaryl Compounds with Alkenes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5242-5248	16.4	252
815	Mild metal-catalyzed C-H activation: examples and concepts. <i>Chemical Society Reviews</i> , 2016 , 45, 2900-3008	8.5	1267
814	Carbonyl-assisted reverse regioselective cascade annulation of 2-acetylenic ketones triggered by Ru-catalyzed C-H activation. 2016 , 7, 4748-4753		64
813	Ketone-Assisted Ruthenium(II)-Catalyzed C _H Imidation: Access to Primary Aminoketones by Weak Coordination. 2016 , 6, 3172-3175		59
812	Rhodium-catalyzed selective oxidative coupling of 7-azaindoles. 2016 , 72, 2581-2586		15
811	Rhodium-catalyzed C-C coupling reactions via double C-H activation. 2016 , 14, 4554-70		136
810	Rhenium-Catalyzed Synthesis of 1,3-Diiminoisoindolines via Insertion of Carbodiimides into a C-H Bond of Aromatic and Heteroaromatic Imidates. <i>Organic Letters</i> , 2016 , 18, 2459-62	6.2	18
809	Manganese-Catalyzed C _H Activation. 2016 , 6, 3743-3752		448
808	Synthesis of Conjugated Polycyclic Quinoliniums by Rhodium(III)-Catalyzed Multiple C-H Activation and Annulation of Arylpyridiniums with Alkynes. <i>Organic Letters</i> , 2016 , 18, 2483-6	6.2	73
807	A Comparative Investigation: Group 9 Cp*M(III)-Catalyzed Formal [4+2] Cycloaddition as an Atom-Economic Approach to Quinazolines. <i>Organic Letters</i> , 2016 , 18, 2090-3	6.2	126
806	Mechanism of the rhodium(iii)-catalyzed alkenylation reaction of N-phenoxyacetamide with styrene or N-tosylhydrazone: a computational study. 2016 , 45, 8118-26		15
805	Cp*Co(III)-Catalyzed Dehydrative C-H Allylation of 6-Arylpurines and Aromatic Amides Using Allyl Alcohols in Fluorinated Alcohols. <i>Organic Letters</i> , 2016 , 18, 2216-9	6.2	105
804	Palladium-catalyzed double C _H functionalization of 2-aryl-1,3-dicarbonyl compounds: a facile access to alkenylated benzopyrans. <i>Tetrahedron Letters</i> , 2016 , 57, 2488-2491	2	8
803	Construction of Pyrrolo[1,2-a]indoles via Cobalt(III)-Catalyzed Enaminylation of 1-(Pyrimidin-2-yl)-1H-indoles with Ketenimines and Subsequent Base-Promoted Cyclization. <i>Organic Letters</i> , 2016 , 18, 4706-9	6.2	39
802	Mild Acylation of C(sp ³) _H and C(sp ²) _H Bonds under Redox-Neutral Rh(III) Catalysis. 2016 , 6, 7744-7748		46
801	Catalytic Grignard-Type Addition of Aryl C-H Bonds to C=O and C=N Bonds. 2016 , 3-15		3
800	Regioselective Synthesis of Benzo[b]phosphole Derivatives via Direct ortho-Alkenylation and Cyclization of Arylthiophosphinamides. <i>Organic Letters</i> , 2016 , 18, 5436-5439	6.2	32

799	Palladium-Catalyzed Oxidative Cyclization for the Synthesis of 2-Alkylimidazo[5,1,2-cd]indolizines. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 5722-5731	3.2	13
798	Isolation of Key Organometallic Aryl-Co(III) Intermediates in Cobalt-Catalyzed C(sp)-H Functionalizations and New Insights into Alkyne Annulation Reaction Mechanisms. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14388-14397	16.4	50
797	Rhodium(III)-catalyzed ortho-alkenylation using a cyclic N-phosphoryl ketimine as the directing group. 2016 , 14, 9472-9475		8
796	Advances in C-N Bond Formation via C-H Bond Activation. 2016 , 6, 5989-6005		130
795	Rh-Catalyzed annulations of N-methoxybenzamides with ketenimines: synthesis of 3-aminoisoindolinones and 3-diarylmethyleneisoindolinones with strong aggregation induced emission properties. 2016 , 52, 10676-9		21
794	Nickel-Catalyzed C-H Chalcogenation of Anilines. <i>Chemistry - A European Journal</i> , 2016 , 22, 14151-4	4.8	62
793	Aerobic Direct C(sp ²)-H Hydroxylation of 2-Arylpyridines by Palladium Catalysis Induced with Aldehyde Auto-Oxidation. 2016 , 6, 6050-6054		58
792	Cobalt-catalyzed redox-neutral synthesis of isoquinolines: C-H activation assisted by an oxidizing N-B bond. 2016 , 37, 1423-1430		28
791	Direct C-H Arylation of Heteroarenes with Copper Impregnated on Magnetite as a Reusable Catalyst: Evidence for CuO Nanoparticle Catalysis in Solution. 2016 , 6, 5954-5961		49
790	Ruthenium-Catalyzed Cross-Coupling of Maleimides with Alkenes. <i>Organic Letters</i> , 2016 , 18, 4598-601	6.2	24
789	Palladium-Catalyzed C-H Arylation of Amides by Triazole Assistance. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 5429-5436	3.2	32
788	Rapid assembly of spirocycles with phenol-derived biaryls with alkynes using an oxidative C-H activation/dearomatization strategy. 2016 , 14, 9451-9455		30
787	Artificial Metalloenzymes Based on the Biotin-Streptavidin Technology: Challenges and Opportunities. 2016 , 49, 1711-21		122
786	Palladium-Catalyzed Synthesis of 2,3-Disubstituted Benzothiophenes via the Annulation of Aryl Sulfides with Alkynes. <i>Organic Letters</i> , 2016 , 18, 4312-5	6.2	47
785	Rhodium-Catalyzed Oxidative C-H Allylation of Benzamides with 1,3-Dienes by Allyl-to-Allyl 1,4-Rh(III) Migration. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12252-7	16.4	65
784	Synthesis of Cyclopentadienols by Rhodium-Catalyzed C-H Activation of 8-Formylquinolines and [2+2+1] Carbocyclization with Alkynes. 2016 , 6, 6372-6376		22
783	Catalyst-Guided C-Het Hydroarylations by Manganese-Catalyzed Additive-Free C-H Activation. <i>Chemistry - A European Journal</i> , 2016 , 22, 14856-14859	4.8	64
782	Overcoming the Limitations of C-H Activation with Strongly Coordinating N-Heterocycles by Cobalt Catalysis. 2016 , 128, 10542-10546		38

781	C-8-Selective Allylation of Quinoline: A Case Study of π -Hydride vs π -Hydroxy Elimination. <i>Organic Letters</i> , 2016 , 18, 4198-201	6.2	111
780	Rhodium-Catalyzed Oxidative Benzannulation of N-Adamantyl-1-naphthylamines with Internal Alkynes via Dual C-H Bond Activation: Synthesis of Substituted Anthracenes. <i>Organic Letters</i> , 2016 , 18, 4246-9	6.2	34
779	Rhodium-Catalyzed (Perfluoroalkyl)olefination of Acetanilides Leading to Perfluoroalkylated Aromatics. 2016 , 64, 1442-1444		2
778	Acylation of Csp-H bond with acyl sources derived from alkynes: Rh-Cu bimetallic catalyzed C[triple bond, length as m-dash]C bond cleavage. 2016 , 52, 12372-12375		33
777	Synthesis of Natural Product-like Polyheterocycles via One-Pot Cascade Oximation, C-H Activation, and Alkyne Annulation. <i>Journal of Organic Chemistry</i> , 2016 , 81, 8911-8919	4.2	36
776	Synthesis of Benzobis- and Benzotrisbenzofurans by Palladium-Catalyzed Multiple Intramolecular C \equiv C/C \equiv C Coupling. 2016 , 45, 1069-1071		23
775	Rh(III)-Catalyzed Carbocyclization of 3-(Indolin-1-yl)-3-oxopropanenitriles with Alkynes and Alkenes through C-H Activation. <i>Organic Letters</i> , 2016 , 18, 5066-5069	6.2	43
774	Silver-mediated oxidative annulation of N-arylthio succinimides with alkynes: direct access to benzo[b]thiophenes. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 1126-1130	5.2	16
773	Concise Synthesis of Fungal Metabolite (+)-Fusarochromanone via Rhodium(III)-catalyzed Oxidative sp ² C \equiv C Bond Olefination. 2016 , 45, 1177-1179		10
772	Oxidative Annulation of Arenecarboxylic and Acrylic Acids with Alkynes under Ambient Conditions Catalyzed by an Electron-Deficient Rhodium(III) Complex. <i>Chemistry - A European Journal</i> , 2016 , 22, 14190-4	4.8	64
771	Cobalt-Catalyzed C \equiv C Functionalizations by Imidate Assistance with Aryl and Alkyl Chlorides. 2016 , 358, 2443-2448		43
770	Ruthenium-Catalyzed C \equiv C Amidation and Alkenylation of Cyclic N-Sulfonyl Ketimines. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 4013-4019	3.2	15
769	Rhodium-Catalyzed Vinylic C \equiv C Functionalization of Enol Carbamates with Maleimides. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 3611-3618	3.2	27
768	Rh(III)-Catalyzed C-H Bond Addition/Amine-Mediated Cyclization of Bis-Michael Acceptors. <i>Organic Letters</i> , 2016 , 18, 3838-41	6.2	22
767	Overcoming the Limitations of C-H Activation with Strongly Coordinating N-Heterocycles by Cobalt Catalysis. 2016 , 55, 10386-90		153
766	Amino Acid Ligands for Ruthenium(II)-Catalyzed C \equiv C Arylation of Aryltetrazoles with Chlorides: Expedient Access to Antihypertension Drugs. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 3700-3704	3.2	23
765	Lewis Acid Catalyzed Cyclization of Propargylic Alcohols with 2-Vinylphenol. <i>Organic Letters</i> , 2016 , 18, 3866-9	6.2	17
764	A facile access to substituted cationic 12-azapyrene salts by rhodium(III)-catalyzed C \equiv C annulation of N-arylpyridinium salts. 2016 , 6, 66407-66411		22

- 763 2-Arylacetamides as Versatile Precursors for 3-Aminoisocoumarin and Homophthalimide Derivatives: Palladium-Catalyzed Cascade Double Carbonylation Reactions. **2016**, 358, 2692-2700 14
- 762 Rhodium-Catalyzed C6-Selective C-H Borylation of 2-Pyridones. *Organic Letters*, **2016**, 18, 3742-5 6.2 44
- 761 Rhodium(III)-Catalyzed Tandem [2+2+2] Annulation-Lactamization of Anilides with Two Alkynoates via Cleavage of Two Adjacent C-H or C-H/C-O bonds. **2016**, 11, 2260-4 28
- 760 Cobalt-catalyzed chelation assisted C-H allylation of aromatic amides with unactivated olefins. **2016**, 52, 10129-32 75
- 759 Synthesis of Difluorinated Enynes through Sonogashira-Type Coupling. *Organic Letters*, **2016**, 18, 5688-5691 17
- 758 Merging rhodium-catalysed C-H activation and hydroamination in a highly selective [4+2] imine/alkyne annulation. **2016**, 7, 11506 28
- 757 Cobalt-promoted selective arylation of benzamides and acrylamides with arylboronic acids. **2016**, 14, 11070-11075 39
- 756 Nitron Directing Groups in Rhodium(III)-Catalyzed C-H Activation of Arenes: 1,3-Dipoles versus Traceless Directing Groups. **2016**, 55, 15351-15355 99
- 755 2,5,8,11-Tetraalkenyl Perylene Bisimides: Direct Regioselective Synthesis and Enhanced π - π Stacking Interaction. *Organic Letters*, **2016**, 18, 5908-5911 6.2 14
- 754 Rhodium-catalyzed C-H activation of 3-(indolin-1-yl)-3-oxopropanenitriles with diazo compounds and tandem cyclization leading to hydrogenated azepino[3,2,1-hi]indoles. **2016**, 52, 14117-14120 46
- 753 Mechanism of Rh(III)-catalyzed cyclopropanation using N-enoxyphthalimides and alkenes: Insights from DFT calculations. **2016**, 72, 8456-8462 9
- 752 Regiocontrolled Coupling of Aromatic and Vinylic Amides with β -Allenols To Form β -Lactams via Rhodium(III)-Catalyzed C-H Activation. *Organic Letters*, **2016**, 18, 5668-5671 6.2 69
- 751 Site- and Regioselective Monoalkenylation of Pyrroles with Alkynes via Cp*Co Catalysis. *Organic Letters*, **2016**, 18, 5732-5735 6.2 71
- 750 Unnatural Amino Acid Synthesis Enabled by the Regioselective Cobalt(III)-Catalyzed Intermolecular Carboamination of Alkenes. **2016**, 55, 15166-15170 131
- 749 Synergistic Heterobimetallic Manifold for Expedient Manganese(I)-Catalyzed C-H Cyanation. *Chemistry - A European Journal*, **2016**, 22, 17958-17961 4.8 63
- 748 Rhodium-Catalyzed Oxidative Synthesis of Quinoline-Fused Sydnone via 2-fold C-H Bond Activation. *Journal of Organic Chemistry*, **2016**, 81, 12038-12045 4.2 30
- 747 C(sp³) β Alkenylation Catalyzed by Cationic Alkylhafnium Complexes: Stereoselective Synthesis of Trisubstituted Alkenes from 2,6-Dimethylpyridines and Internal Alkynes. **2016**, 35, 3816-3827 15
- 746 Ruthenium(ii)-catalyzed C-H functionalizations on benzoic acids with aryl, alkenyl and alkynyl halides by weak-O-coordination. **2016**, 52, 13171-13174 62

745	A Cascade C _H -Functionalization/Cyclization Reaction of Indoles with η -Halo or η -Sulfonyloxy Ketones for the Synthesis of Dihydropyrimidoindolone Derivatives. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 5399-5404	3.2	15
744	One-Pot Synthesis of Decahydropyrene via Tandem C-H Activation/Intramolecular Diels-Alder/1,3-Dipolar Cycloaddition. <i>Organic Letters</i> , 2016 , 18, 5524-5527	6.2	12
743	Benylation of heterocyclic N-oxides via direct oxidative cross-dehydrogenative coupling with toluene derivatives. 2016 , 40, 10227-10232		16
742	Synthese nichtnatürlicher Aminosäuren durch die regioselektive Cobalt(III)-katalysierte intermolekulare Carboaminierung von Alkenen. 2016 , 128, 15391-15395		47
741	Ruthenium-Sulfonamide-Catalyzed Direct Dehydrative Condensation of Benzylic C-H Bonds with Aromatic Aldehydes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14836-14839	16.4	25
740	Retracted: Palladium-Catalyzed Decarboxylative Selective Acylation of 4H-Benzo[d][1,3]oxazin-4-one Derivatives with η -Oxo Carboxylic acids via Preferential Cyclic Imine-N-Directed Aryl C _H Activation. 2016 , 358, 283-295		17
739	Ruthenium(II)-Catalyzed Decarboxylative C _H Activation: Versatile Routes to meta-Alkenylated Arenes. 2016 , 128, 7043-7046		37
738	Cobalt(III)-Catalyzed Redox-Neutral Synthesis of Unprotected Indoles Featuring an N-N Bond Cleavage. 2016 , 55, 3208-11		151
737	Cobalt-Catalyzed Cyclization of N-Methoxy Benzamides with Alkynes using an Internal Oxidant through C-H/N-O Bond Activation. <i>Chemistry - A European Journal</i> , 2016 , 22, 5899-903	4.8	90
736	Fe- and Ag-Catalyzed Synthesis of Heterocycles. 2016 , 291-316		
735	Diastereoselective [3+2] Annulation of Aromatic/Vinylc Amides with Bicyclic Alkenes through Cobalt-Catalyzed C _H Activation and Intramolecular Nucleophilic Addition. 2016 , 128, 4380-4383		35
734	Ruthenium(II)-Catalyzed Decarboxylative C-H Activation: Versatile Routes to meta-Alkenylated Arenes. 2016 , 55, 6929-32		151
733	Regioselective C-H Hydroarylation of Internal Alkynes with Arenecarboxylates: Carboxylates as Deciduous Directing Groups. 2016 , 55, 6933-7		112
732	Manganese(I)-Catalyzed Substitutive C-H Allylation. 2016 , 55, 7747-50		156
731	1,2-Thiazines: One-Pot Syntheses Utilizing Mono and Diaza Analogs of Sulfones. <i>Chemistry - A European Journal</i> , 2016 , 22, 6783-6	4.8	24
730	Rh(III)-Catalyzed C _H Allylation of Amides and Domino Cycling Synthesis of 3,4-Dihydroisoquinolin-1(2H)-ones with N-Bromosuccinimide. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 1255-1259	3.2	26
729	Rh(III)-Catalyzed C-C/C-N Coupling of Imidates with η -Diazo Imidamide: Synthesis of Isoquinoline-Fused Indoles. <i>Organic Letters</i> , 2016 , 18, 2914-7	6.2	69
728	Access to Structurally Diverse Quinoline-Fused Heterocycles via Rhodium(III)-Catalyzed C-C/C-N Coupling of Bifunctional Substrates. <i>Organic Letters</i> , 2016 , 18, 2812-5	6.2	107

727	Rh(III)-Catalyzed Oxidative Annulation Leading to Substituted Indolizines by Cleavage of C(sp ²)-H/C(sp ³)-H Bonds. <i>Organic Letters</i> , 2016 , 18, 2816-9	6.2	45
726	Tandem Rh(III)-Catalyzed C-H Amination/Annulation Reactions: Synthesis of Indoloquinoline Derivatives in Water. <i>Organic Letters</i> , 2016 , 18, 2820-3	6.2	91
725	Heterogeneous palladium-catalysed Catellani reaction in biomass-derived γ -valerolactone. 2016 , 18, 5025-5030		75
724	Cobalt(III)-catalyzed efficient synthesis of indenones through carboannulation of benzoates and alkynes. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 813-816	5.2	52
723	Sodium chlorate as a viable substoichiometric oxidant for cobalt-catalyzed oxidative annulation of aryl sulfonamides with alkynes. <i>Tetrahedron Letters</i> , 2016 , 57, 3322-3325	2	18
722	Convergent Synthesis of Diverse Nitrogen Heterocycles via Rh(III)-Catalyzed C-H Conjugate Addition/Cyclization Reactions. <i>Organic Letters</i> , 2016 , 18, 3294-7	6.2	34
721	Cp*Co(III)-Catalyzed C-H Alkenylation/Annulation to Afford Spiro Indenyl Benzosultam. <i>Journal of Organic Chemistry</i> , 2016 , 81, 6093-9	4.2	46
720	Redox-Divergent Hydrogen-Retentive or Hydrogen-Releasing Synthesis of 3,4-Dihydroisoquinolines or Isoquinolines. <i>Organic Letters</i> , 2016 , 18, 2840-3	6.2	38
719	Nickel-Catalyzed C \equiv C Alkynylation of Anilines: Expedient Access to Functionalized Indoles and Purine Nucleobases. 2016 , 6, 4690-4693		88
718	Solvent-Controlled, Tunable β -OAc and β -H Elimination in Rh(III)-Catalyzed Allyl Acetate and Aryl Amide Coupling via C-H Activation. <i>Organic Letters</i> , 2016 , 18, 3410-3	6.2	38
717	Iridium(III)-catalyzed regioselective direct arylation of sp ² C-H bonds with diaryliodonium salts. 2016 , 14, 7109-13		20
716	Rhodium(III)-catalyzed alkylation of primary C(sp ³)-H bonds with β -diazocarbonyl compounds. 2016 , 52, 9672-5		57
715	Rh-Catalyzed Synthesis of Oxygen-Containing Heterocycles. 2016 , 161-186		
714	Ruthenium Oxidase Catalysis for Site-Selective C \equiv C Alkenylations with Ambient O ₂ as the Sole Oxidant. 2016 , 128, 272-275		46
713	Expedient Iron-Catalyzed C \equiv C Allylation/Alkylation by Triazole Assistance with Ample Scope. 2016 , 128, 1506-1510		50
712	Cooperative Reductive Elimination: The Missing Piece in the Oxidative-Coupling Mechanistic Puzzle. 2016 , 128, 2814-2817		11
711	Regioselective C \equiv C Hydroarylation of Internal Alkynes with Arenecarboxylates: Carboxylates as Deciduous Directing Groups. 2016 , 128, 7047-7051		31
710	Rhodium-Catalyzed/Copper-Mediated Selective C2 Alkynylation of Indoles and C1 Alkynylation of Carbazoles with β -Substituted tert-Propargyl Alcohols. 2016 , 8, 2146-2154		19

709	Palladium-catalyzed oxidative direct arylation polymerization (Oxi-DARp) of an ester-functionalized thiophene. 2016 , 7, 1623-1631		43
708	Pd(II)-catalysed meta-C-H functionalizations of benzoic acid derivatives. 2016 , 7, 10443		112
707	An air-stable half-sandwich Ru(II) complex as an efficient catalyst for [3+2] annulation of 2-arylcyclo-2-enones with alkynes. 2016 , 52, 4613-6		21
706	Rhodium-catalyzed oxidative coupling of N-acyl anilines with alkynes using an acylamino moiety as the traceless directing group. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 349-353	5.2	13
705	Cobalt(III) catalyzed C-8 selective C-H and C-O coupling of quinoline N-oxide with internal alkynes via C-H activation and oxygen atom transfer. 2016 , 52, 1338-41		120
704	A DFT Study on Rh-Catalyzed Asymmetric Dearomatization of 2-Naphthols Initiated with C _H Activation: A Refined Reaction Mechanism and Origins of Multiple Selectivity. 2016 , 6, 262-271		53
703	Ruthenium-catalyzed direct arylations with aryl chlorides. 2016 , 6, 30875-30885		38
702	Rhodium-Catalyzed Oxidative Coupling of Benzoic Acids with Terminal Alkynes: An Efficient Access to 3-Ylidenephthalides. 2016 , 35, 1350-1353		32
701	Cp*Co(III)-Catalyzed C(sp ³) _H Bond Activation: A Highly Stereoselective and Regioselective Alkenylation of 8-Methylquinoline with Alkynes. 2016 , 6, 2792-2796		135
700	Facile Generation and Isolation of π -Allyl Complexes from Aliphatic Alkenes and an Electron-Deficient Rh(III) Complex: Key Intermediates of Allylic C _H Functionalization. 2016 , 35, 1547-1552		57
699	Rhodium-Catalyzed/Copper-Mediated Tandem C(sp ²)-H Alkynylation and Annulation: Synthesis of 11-Acylated Imidazo[1,2-a:3,4-a']dipyridin-5-ium-4-olates from 2H-[1,2'-Bipyridin]-2-ones and Propargyl Alcohols. <i>Organic Letters</i> , 2016 , 18, 1064-7	6.2	44
698	Computational Insights into the Rhodium(III)-Catalyzed Coupling of Benzamides and 1,6-Enynes via a Tunable Arylative Cyclization. <i>Journal of Organic Chemistry</i> , 2016 , 81, 1921-9	4.2	17
697	Spirocyclic Sultam and Heterobiaryl Synthesis through Rh-Catalyzed Cross-Dehydrogenative Coupling of N-Sulfonyl Ketimines and Thiophenes or Furans. <i>Organic Letters</i> , 2016 , 18, 1088-91	6.2	50
696	Rhodium(III)-Catalyzed Annulation between N-Sulfinyl Ketoimines and Activated Olefins: C _H Activation Assisted by an Oxidizing N _B Bond. 2016 , 6, 1971-1980		65
695	Asymmetric Catalysis Powered by Chiral Cyclopentadienyl Ligands. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3935-41	16.4	169
694	Kinetic Control of Rh(III)-Catalyzed Annulation of C-H Bonds with Quinones: Chemoselective Synthesis of Hydrophenanthridinones and Phenanthridinones. <i>Journal of Organic Chemistry</i> , 2016 , 81, 1675-80	4.2	37
693	Mechanism and Regioselectivity of Rh(III)-Catalyzed Intermolecular Annulation of Aryl-Substituted Diazenecarboxylates and Alkenes: DFT Insights. 2016 , 35, 450-455		10
692	Ruthenium-Catalyzed Regioselective C-H Bond Acetoxylation on Carbazole and Indole Frameworks. <i>Organic Letters</i> , 2016 , 18, 1150-3	6.2	65

691	Selective Synthesis of Indoles by Cobalt(III)-Catalyzed C _H /N _D Functionalization with Nitrones. 2016 , 6, 2705-2709		132
690	Synthesis of Ferrocene-Based Pyridinones through Rh(III)-Catalyzed Direct C _H Functionalization Reaction. 2016 , 35, 1420-1425		46
689	Palladium-catalyzed ring contraction reaction of naphthoquinones upon reaction with alkynes. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 603-608	5.2	3
688	Co(III)-Catalyzed Synthesis of Quinazolines via C-H Activation of N-Sulfinylimines and Benzimidates. <i>Organic Letters</i> , 2016 , 18, 1306-9	6.2	154
687	Rhodium-Catalyzed Cyclocarbonylation of Ketimines via C _H Bond Activation. 2016 , 35, 1480-1487		41
686	Heterogeneous catalytic approaches in C _H activation reactions. 2016 , 18, 3471-3493		159
685	Rhodium-catalyzed annulation of arenes with alkynes through weak chelation-assisted C-H activation. 2016 , 52, 2872-84		207
684	Synthesis of substituted benzo[<i>ij</i>]imidazo[2,1,5- <i>de</i>]quinolizine by rhodium(III)-catalyzed multiple C-H activation and annulations. 2016 , 14, 1814-21		29
683	Formal Gold- and Rhodium-Catalyzed Regiodivergent C-H Alkynylation of 2-Pyridones. <i>Journal of Organic Chemistry</i> , 2016 , 81, 715-22	4.2	77
682	Oxazolanyl-Assisted C _H Amidation by Cobalt(III) Catalysis. 2016 , 6, 793-797		192
681	C6-Selective Direct Alkylation of Pyridones with Diazo Compounds under Rh(III)-Catalyzed Mild Conditions. <i>Journal of Organic Chemistry</i> , 2016 , 81, 842-8	4.2	73
680	Synthesis of cinnolines via Rh(III)-catalysed dehydrogenative C-H/N-H functionalization: aggregation induced emission and cell imaging. 2016 , 14, 1958-68		42
679	Rhodium-catalyzed tunable oxidative cyclization toward the selective synthesis of β -pyrones and furans. 2016 , 52, 1661-4		39
678	Rh(III)-Catalyzed Diastereoselective C-H Bond Addition/Cyclization Cascade of Enone Tethered Aldehydes. 2016 , 7, 1474-1479		75
677	Cobalt-Catalyzed C _H Activation. 2016 , 6, 498-525		916
676	C-F Bond Cleavage Enabled Redox-Neutral [4+1] Annulation via C-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1762-1765	16.4	98
675	Rh(III)-Catalyzed Diastereoselective Annulation of Amides with Quinone Monoacetals: Access to Bridged Nine-Membered Heterocycles via C-H Activation. <i>Organic Letters</i> , 2017 , 19, 616-619	6.2	33
674	Ruthenium(II)-Catalyzed meta C _H Mono- and Difluoromethylations by Phosphine/Carboxylate Cooperation. 2017 , 129, 2077-2081		55

673	Ruthenium(II)-Catalyzed meta C-H Mono- and Difluoromethylations by Phosphine/Carboxylate Cooperation. 2017 , 56, 2045-2049		141
672	Synthesis of Isocoumarins from Cyclic 2-Diazo-1,3-diketones and Benzoic Acids via Rh(III)-Catalyzed C-H Activation and Esterification. <i>Journal of Organic Chemistry</i> , 2017 , 82, 2081-2088	4.2	60
671	[4+2] or [4+1] Annulation: Changing the Reaction Pathway of a Rhodium-Catalyzed Process by Tuning the Cp Ligand. 2017 , 56, 2408-2412		139
670	Mechanism and origins of selectivity in rhodium-catalyzed intermolecular [3 + 2] cycloadditions of vinylaziridines with allenes. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 587-596	5.2	15
669	Correlating Reactivity and Selectivity to Cyclopentadienyl Ligand Properties in Rh(III)-Catalyzed C-H Activation Reactions: An Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1296-1310	16.4	124
668	C [≡] O Activation by a Rhodium Bis(N-Heterocyclic Carbene) Catalyst: Aryl Carbamates as Arylating Reagents in Directed C [≡] N Arylation. 2017 , 129, 1903-1906		5
667	C-O Activation by a Rhodium Bis(N-Heterocyclic Carbene) Catalyst: Aryl Carbamates as Arylating Reagents in Directed C-H Arylation. 2017 , 56, 1877-1880		27
666	meta-C [≡] N Bromination on Purine Bases by Heterogeneous Ruthenium Catalysis. 2017 , 129, 1579-1582		25
665	Biomass-derived solvents as effective media for cross-coupling reactions and C [≡] N functionalization processes. 2017 , 19, 1601-1612		143
664	[4+2] or [4+1] Annulation: Changing the Reaction Pathway of a Rhodium-Catalyzed Process by Tuning the Cp Ligand. 2017 , 129, 2448-2452		51
663	Weinreb amide directed cross-coupling reaction between electron-deficient alkenes catalyzed by a rhodium catalyst. 2017 , 15, 1236-1244		23
662	Rhodium(III)-Catalyzed Annulation of N-Methoxybenzamides with Heterobicyclic Alkenes by C [≡] N Functionalization: Synthesis of Benzo[b]phenanthridinones. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 1203-1206	3.2	27
661	Cobalt-catalyzed aryl C-H activation and highly regioselective intermolecular annulation of sulfonamides with allenes. 2017 , 53, 1872-1875		78
660	Late-Stage Diversification of Non-Steroidal Anti-Inflammatory Drugs by Transition Metal-Catalyzed C [≡] N Alkenylations, Thiolations and Selenylations. 2017 , 359, 966-973		50
659	Iridium(III) and Rhodium(III) compounds of dipyridyl-N-alkylimine and dipyridyl-NH-ketimine: Spectral characterization and crystal structure. 2017 , 129, 365-372		1
658	Fulvene Synthesis by Rhodium(I)-Catalyzed [2+2+1] Cycloaddition: Synthesis and Catalytic Activity of Tunable Cyclopentadienyl Rhodium(III) Complexes with Pendant Amides. 2017 , 129, 3644-3647		18
657	C-H functionalization by high-valent Cp*Co(iii) catalysis. 2017 , 53, 3165-3180		180
656	Synthesis of Diruthenium Complexes Derived from Pyridyl-Substituted Indenes. 2017 , 36, 1066-1072		2

655	Ruthenium(II)-Catalyzed C-H Oxygenations of Reusable Sulfoximine Benzamides. <i>Organic Letters</i> , 2017 , 19, 1278-1281	6.2	70
654	Theoretical prediction on the synthesis of 2,3-dihydropyridines through Co(III)-catalysed reaction of unsaturated oximes with alkenes. 2017 , 117, e25353		1
653	Enantioselective C ₈ H Annulation of Indoles with Diazo Compounds through a Chiral Rh(III) Catalyst. 2017 , 7, 2392-2396		74
652	Synthesis of Benzoisoselenazolone Derivatives by Nickel-Catalyzed Dehydrogenative Direct Selenation of C(sp)-H Bonds with Elemental Selenium in Air. <i>Organic Letters</i> , 2017 , 19, 1092-1095	6.2	57
651	Fulvene Synthesis by Rhodium(I)-Catalyzed [2+2+1] Cycloaddition: Synthesis and Catalytic Activity of Tunable Cyclopentadienyl Rhodium(III) Complexes with Pendant Amides. 2017 , 56, 3590-3593		45
650	Synthesis of Fluorescent Indazoles by Palladium-Catalyzed Benzannulation of Pyrazoles with Alkynes. <i>Organic Letters</i> , 2017 , 19, 1450-1453	6.2	34
649	Rh/Cu-Catalyzed Cascade [4+2] Vinylic C-H O-Annulation and Ring Contraction of β -Aryl Enones with Alkynes in Air. 2017 , 56, 4286-4289		67
648	Rhodium(III)-Catalyzed C6-Selective Arylation of 2-Pyridones and Related Heterocycles Using Quinone Diazides: Syntheses of Heteroarylated Phenols. <i>Journal of Organic Chemistry</i> , 2017 , 82, 3612-3621	4.2	70
647	Synthesis of random poly(hexyl thiophene-3-carboxylate) copolymers via oxidative direct arylation polymerization (oxi-DArP). 2017 , 8, 1963-1971		25
646	Cobalt(III)-Catalyzed Hydroarylation of Allenes via C ₈ H Activation. 2017 , 7, 2511-2515		92
645	Iridacycles for hydrogenation and dehydrogenation reactions. 2017 , 53, 3399-3411		62
644	Synthesis of 2-Substituted Quinolines via Rhodium(III)-Catalyzed C ₈ H Activation of Imidamides and Coupling with Cyclopropanols. 2017 , 359, 1620-1625		44
643	Iron-Catalyzed C-H Alkynylation through Triazole Assistance: Expedient Access to Bioactive Heterocycles. <i>Chemistry - A European Journal</i> , 2017 , 23, 3577-3582	4.8	58
642	Experimental and Theoretical Studies on Rhodium-Catalyzed Coupling of Benzamides with 2,2-Difluorovinyl Tosylate: Diverse Synthesis of Fluorinated Heterocycles. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3537-3545	16.4	186
641	A facile and environmental friendly strategy for the synthesis of N-methoxyquinolin-2(1H)-ones. <i>Tetrahedron Letters</i> , 2017 , 58, 1917-1920	2	6
640	Ruthenium-Catalyzed Direct Hydroxymethylation of Aryl C ₈ H Bonds. 2017 , 7, 2213-2217		33
639	Copper-Mediated Decarboxylative Coupling of Benzamides with ortho-Nitrobenzoic Acids by Directed C-H Cleavage. 2017 , 56, 5353-5357		71
638	Ruthenium(II)-catalyzed C ₈ H alkenylation/annulation cascade for the rapid synthesis of benzoimidazoisoindoles. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 1358-1362	5.2	15

637	Copper-Mediated Decarboxylative Coupling of Benzamides with ortho-Nitrobenzoic Acids by Directed C _H /C _H Cleavage. 2017 , 129, 5437-5441		14
636	Domino C _H /N _H Allylations of Imidates by Cobalt Catalysis. 2017 , 7, 3430-3433		65
635	Cp*Rh(III)/Bicyclic Olefin Cocatalyzed C-H Bond Amidation by Intramolecular Amide Transfer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6506-6512	16.4	93
634	Dienyl esters synthesis: Palladium-catalyzed C _H olefination of electron-deficient alkenes with allenates. 2017 , 73, 3529-3535		7
633	Synthesis of Benzoquinolininium Salts by Rh(III)-Catalyzed Cascade Double N-Annulation Reactions of Allylamines, Diarylacetylenes, and HBF. <i>Organic Letters</i> , 2017 , 19, 2941-2944	6.2	27
632	A deciduous directing group approach for the addition of aryl and vinyl nucleophiles to maleimides. 2017 , 53, 6251-6254		57
631	Stereoselective Synthesis of Tetrasubstituted Alkenes via a Cp*Co -Catalyzed C-H Alkenylation/Directing Group Migration Sequence. 2017 , 56, 7156-7160		82
630	Synthesis of Functionalized Indenones via Rh-Catalyzed C-H Activation Cascade Reaction. <i>Organic Letters</i> , 2017 , 19, 2588-2591	6.2	41
629	Rhodium(III)-Catalyzed C-H Activation/Heterocyclization as a Macrocyclization Strategy. Synthesis of Macrocyclic Pyridones. <i>Organic Letters</i> , 2017 , 19, 2706-2709	6.2	34
628	Synthesis of Polycyclic Amides via Tandem Rh(III)-Catalyzed C _H Activation and Annulation from Dioxazolones and Alkynes. 2017 , 6, 812-816		11
627	Sustainable metal catalysis in CH activation. 2017 , 343, 25-138		73
626	Sequential Reactions of Alkynes on an Iridium(III) Single Site. <i>Chemistry - A European Journal</i> , 2017 , 23, 8941-8948	4.8	5
625	Nickel-Catalyzed Directed C ₆ -Selective C-H Alkylation of 2-Pyridones with Dienes and Activated Alkenes. <i>Journal of Organic Chemistry</i> , 2017 , 82, 5337-5344	4.2	29
624	Cp*Co(III)-Catalyzed Annulation of Carboxylic Acids with Alkynes. <i>Organic Letters</i> , 2017 , 19, 2544-2547	6.2	90
623	Mechanochemical indole synthesis by rhodium-catalysed oxidative coupling of acetanilides and alkynes under solventless conditions in a ball mill. 2017 , 19, 2520-2523		62
622	Pd-Catalyzed oxidative annulation of enamides with diazabicyclic olefins: rapid access to cyclopentene fused 2-pyrrolines. 2017 , 53, 1848-1851		18
621	Rh(III)-Catalyzed Aryl and Alkenyl C-H Bond Addition to Diverse Nitroalkenes. 2017 , 7, 150-153		90
620	Rhodium(III)-catalyzed directed C _H benzylation and allylation of indoles with organosilicon reagents. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 303-307	5.2	16

619	Rhodium-catalyzed redox-neutral coupling of phenidones with alkynes. 2017 , 15, 5701-5708		19
618	Rhodium(III)-Catalyzed Selective C-H Acetoxylation and Hydroxylation Reactions. <i>Organic Letters</i> , 2017 , 19, 3532-3535	6.2	53
617	Stereoselective Synthesis of Tetrasubstituted Alkenes via a Cp*CoIII-Catalyzed C \equiv H Alkenylation/Directing Group Migration Sequence. 2017 , 129, 7262-7266		23
616	Catalyst-Controlled Regiodivergent Alkyne Insertion in the Context of C-H Activation and Diels-Alder Reactions: Synthesis of Fused and Bridged Cycles. 2017 , 56, 8163-8167		87
615	Rh(III)-Catalyzed [4 + 1]-Annulation of Azoxy Compounds with Alkynes: A Regioselective Approach to 2H-Indazoles. <i>Organic Letters</i> , 2017 , 19, 2781-2784	6.2	37
614	Cobalt-Catalyzed ortho-C-H Functionalization/Alkyne Annulation of Benzylamine Derivatives: Access to Dihydroisoquinolines. <i>Chemistry - A European Journal</i> , 2017 , 23, 11669-11676	4.8	40
613	Expedient synthesis of pyrano[2,3,4-de]quinolines via Rh(iii)-catalyzed cascade C-H activation/annulation/lactonization of quinolin-4-ol with alkynes. 2017 , 53, 7824-7827		41
612	Cp*Rh(III)-Catalyzed Directed C \equiv H Methylation and Arylation of Quinoline N-Oxides at the C-8 Position. 2017 , 359, 3029-3034		62
611	Direct Functionalization of C-H Bonds by Iron, Nickel, and Cobalt Catalysis. <i>Chemistry - A European Journal</i> , 2017 , 23, 9206-9232	4.8	136
610	Computational Studies of Carboxylate-Assisted C-H Activation and Functionalization at Group 8-10 Transition Metal Centers. <i>Chemical Reviews</i> , 2017 , 117, 8649-8709	68.1	343
609	Iron-catalyzed C-H/N-H activation by triazole guidance: versatile alkyne annulation. 2017 , 53, 6460-6463		50
608	Synthesis of isoquinolones via Rh-catalyzed C \equiv H activation of substituted benzamides using air as the sole oxidant in water. 2017 , 19, 3219-3224		65
607	Catalyst-Controlled Regiodivergent Alkyne Insertion in the Context of C \equiv H Activation and Diels-Alder Reactions: Synthesis of Fused and Bridged Cycles. 2017 , 129, 8275-8279		24
606	Rhodium(III)-Catalyzed Annulation of Pyridinones with Alkynes via Double C-H Activation: A Route to Functionalized Quinolizinones. <i>Organic Letters</i> , 2017 , 19, 3083-3086	6.2	43
605	Ruthenium(II)-Catalyzed C-H Alkynylation of Weakly Coordinating Benzoic Acids. <i>Organic Letters</i> , 2017 , 19, 3171-3174	6.2	40
604	A cascade C-H functionalization/cyclization reaction of N-arylpyridin-2-amines with α,β -unsaturated aldehydes for the synthesis of dihydroquinolinone derivatives under rhodium catalysis. 2017 , 15, 4978-4983		15
603	Synthesis of [5,6]-Bicyclic Heterocycles with a Ring-Junction Nitrogen Atom: Rhodium(III)-Catalyzed C \equiv H Functionalization of Alkenyl Azoles. 2017 , 129, 9311-9315		16
602	A General Cp*Co -Catalyzed Intramolecular C-H Activation Approach for the Efficient Total Syntheses of Aromathecine, Protoberberine, and Tylophora Alkaloids. <i>Chemistry - A European Journal</i> , 2017 , 23, 12149-12152	4.8	68

601	Capturing Elusive Cobaltacycle Intermediates: A Real-Time Snapshot of the Cp*CoIII-Catalyzed Oxidative Alkyne Annulation. 2017 , 129, 12305-12309		14
600	Divergent Access to 1-Naphthols and Isocoumarins via Rh(III)-Catalyzed C-H Activation Assisted by Phosphonium Ylide. <i>Organic Letters</i> , 2017 , 19, 3410-3413	6.2	63
599	Incorporation of Carbon Dioxide into Carbamate Directing Groups: Palladium-Catalyzed meta-C _H Olefination and Acetoxylation of Aniline Derivatives. 2017 , 359, 2235-2240		18
598	Cp*Rh(III)-Catalyzed Mild Addition of C(sp)-H Bonds to α,β -Unsaturated Aldehydes and Ketones. <i>Organic Letters</i> , 2017 , 19, 2086-2089	6.2	48
597	Ruthenium(II)-Catalyzed C _H Arylations and Alkylations: Decarbamoylative C _H Functionalizations. 2017 , 129, 5425-5428		11
596	Ruthenium(II)-Catalyzed C-C Arylations and Alkylations: Decarbamoylative C-C Functionalizations. 2017 , 56, 5341-5344		44
595	Asymmetric Synthesis of Spiropyrazolones by Rhodium-Catalyzed C(sp ²) _H Functionalization/Annulation Reactions. 2017 , 129, 4611-4615		55
594	Palladium-Catalyzed Oxidative Annulation of ortho-Alkenylanilines and Allenes: An Access to Benzo[b]azepines. <i>Journal of Organic Chemistry</i> , 2017 , 82, 4121-4128	4.2	30
593	Recent advances in positional-selective alkenylations: removable guidance for twofold C _H activation. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 1435-1467	5.2	260
592	Total synthesis of aristolactam alkaloids synergistic C-H bond activation and dehydro-Diels-Alder reactions. 2017 , 8, 4130-4135		40
591	Rh-Catalyzed Annulations of N-Methoxybenzamides and Ketenimines: Sterically and Electronically Controlled Synthesis of Isoquinolinones and Isoindolinones. <i>Journal of Organic Chemistry</i> , 2017 , 82, 3787-3797	4.2	22
590	Rh/Cu-Catalyzed Cascade [4+2] Vinylic C _H O-Annulation and Ring Contraction of β -Aryl Enones with Alkynes in Air. 2017 , 129, 4350-4353		13
589	Cobalt-Catalyzed ortho-Methylation of Ferrocenes Bearing ortho-Directing Groups by Catalytic Directed C _H Bond Activation. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 3041-3048	3.2	24
588	Construction of Fused Polyheterocycles through Sequential [4 + 2] and [3 + 2] Cycloadditions. <i>Organic Letters</i> , 2017 , 19, 1658-1661	6.2	38
587	(Pentamethylcyclopentadienyl)cobalt(III)-Catalyzed C _H Bond Functionalization: From Discovery to Unique Reactivity and Selectivity. 2017 , 359, 1245-1262		327
586	One-Pot Sequential N-Heterocyclic Carbene/Rhodium(III) Catalysis: Synthesis of Fused Polycyclic Isocoumarins. 2017 , 359, 2176-2183		23
585	Rhodium(III)-Catalyzed Ortho-Alkenylation of Anilines Directed by a Removable Boc-Protecting Group. <i>Organic Letters</i> , 2017 , 19, 1800-1803	6.2	24
584	Asymmetric Synthesis of Spiropyrazolones by Rhodium-Catalyzed C(sp ²)-H Functionalization/Annulation Reactions. 2017 , 56, 4540-4544		130

583	Cp*Co-Catalyzed syn-Selective C-H Hydroarylation of Alkynes Using Benzamides: An Approach Toward Highly Conjugated Organic Frameworks. <i>Journal of Organic Chemistry</i> , 2017 , 82, 420-430	4.2	39
582	Mechanistic Study of Cp*Co/Rh-Catalyzed Directed C-H Functionalization with Diazo Compounds. <i>Journal of Organic Chemistry</i> , 2017 , 82, 1195-1204	4.2	50
581	Emergence of Unactivated Olefins for the Synthesis of Olefinated Arenes. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 1239-1252	3.2	28
580	Transition-Metal-Catalyzed C-H Bond Addition to Carbonyls, Imines, and Related Polarized π Bonds. <i>Chemical Reviews</i> , 2017 , 117, 9163-9227	68.1	469
579	meta-C-H Bromination on Purine Bases by Heterogeneous Ruthenium Catalysis. 2017 , 56, 1557-1560		99
578	Copper-catalyzed aromatic C-H alkoxylation with alcohols under aerobic conditions. 2017 , 15, 1261-1267		18
577	Computational Investigation of the Role Played by Rhodium(V) in the Rhodium(III)-Catalyzed ortho-Bromination of Arenes. <i>Chemistry - A European Journal</i> , 2017 , 23, 2690-2699	4.8	30
576	Detailed Mechanistic Studies on Palladium-Catalyzed Selective C-H Olefination with Aliphatic Alkenes: A Significant Influence of Proton Shuttling. <i>Journal of the American Chemical Society</i> , 2017 , 139, 763-775	16.4	68
575	Combination of Cp*Rh -Catalyzed C-H Activation and a Wagner-Meerwein-Type Rearrangement. 2017 , 56, 1381-1384		75
574	Redox-Neutral Rhodium-Catalyzed [4+1] Annulation through Formal Dehydrogenative Vinylidene Insertion. 2017 , 10, 58-61		43
573	Rhodium-Catalyzed sp C-H Acetoxylation of N-Aryl Azaindoles/N-Heteroaryl Indolines. <i>Journal of Organic Chemistry</i> , 2017 , 82, 12406-12415	4.2	49
572	Ruthenium Catalysts for the Alkylation of Functionalized Arenes and Heteroaromatic Substrates via Hydroarylation. 2017 , 49-81		0
571	Ruthenium-Catalyzed C-H Benzoylation of tert-Benzamides with Aromatic Acids by Weak Coordination. <i>Journal of Organic Chemistry</i> , 2017 , 82, 12691-12700	4.2	20
570	Transformable Sulfoximine Assisted One-Pot Double Annulation of Vinyllic C-H Bonds with Unactivated Alkynes. <i>Organic Letters</i> , 2017 , 19, 5665-5668	6.2	37
569	Ru-Catalysed synthesis of fused heterocycle-pyridinones and -pyrones. 2017 , 15, 8904-8913		9
568	Rh(III)-Catalyzed Diastereodivergent Spiroannulation of Cyclic Imines with Activated Alkenes. <i>Organic Letters</i> , 2017 , 19, 5402-5405	6.2	48
567	Rhodium/Copper Cocatalyzed Highly trans-Selective 1,2-Diheteroarylation of Alkynes with Azoles via C-H Addition/Oxidative Cross-Coupling: A Combined Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15724-15737	16.4	47
566	Comparative investigation of the reactivities between catalysts [Cp*RhCl ₂] ₂ and [Cp*IrCl ₂] ₂ in the oxidative annulation of isoquinolones with alkynes: a combined experimental and computational study. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 2327-2335	5.2	4

565	Synthesis of Phenalenyl-Fused Pyrylium Cations: Divergent C-H Activation/Annulation Reaction Sequence of Naphthalene Aldehydes with Alkynes. 2017 , 56, 13094-13098		62
564	Switching of Reaction Pathway from C-C Rollover to C-N Ring-Extension Annulation. <i>Chemistry - A European Journal</i> , 2017 , 23, 15529-15533	4.8	31
563	Synthesis of 3-Arylbenzofuran-2-ylphosphines via Rhodium-Catalyzed Redox-Neutral C-H Activation and Their Applications in Palladium-Catalyzed Cross-Coupling of Aryl Chlorides. <i>Journal of Organic Chemistry</i> , 2017 , 82, 9560-9569	4.2	26
562	Cobalt Catalyzed, Regioselective C(sp)-H Activation of Amides with 1,3-Diynes. <i>Organic Letters</i> , 2017 , 19, 4758-4761	6.2	53
561	Cross-Coupling of β -Carbonyl Sulfoxonium Ylides with C \equiv H Bonds. 2017 , 129, 13297-13301		36
560	Cross-Coupling of β -Carbonyl Sulfoxonium Ylides with C-H Bonds. 2017 , 56, 13117-13121		145
559	Rhodium(III)-Catalyzed Oxidative Cross-Coupling of Unreactive C(sp)-H Bonds with C(sp)-H Bonds. <i>Organic Letters</i> , 2017 , 19, 4782-4785	6.2	29
558	Solvent and Base in One: Tetra-n-butylammonium Acetate as a Multi-Purpose Ionic Liquid Medium for Ru-Catalyzed Directed Mono- and Di-ortho-C \equiv H Arylation Reactions. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 6274-6282	3.2	6
557	From Simple to Complex: Rhodium(III)-Catalyzed C-C Bond Cleavage and C-H Bond Functionalization for the Synthesis of 3a,8b-Dihydro-1H-cyclopenta[b]benzofuran-1-ones. <i>Organic Letters</i> , 2017 , 19, 5026-5029	6.2	5
556	From Anilines to Quinolines: Iodide- and Silver-Mediated Aerobic Double C-H Oxidative Annulation-Aromatization. <i>Chemistry - A European Journal</i> , 2017 , 23, 15874-15878	4.8	11
555	Sulfoxonium Ylides as a Carbene Precursor in Rh(III)-Catalyzed C-H Acylmethylation of Arenes. <i>Organic Letters</i> , 2017 , 19, 5256-5259	6.2	139
554	Rhodium(III)-catalyzed intramolecular annulation through C-H activation: concise synthesis of rosettacin and oxypalmitine. 2017 , 53, 12394-12397		31
553	Stöchiometrische und katalytische C-C- und C-H-Bindungsbildung mit B(C ₆ F ₅) ₃ über kationische Zwischenstufen. 2017 , 129, 12157-12161		9
552	Synthesis of Phenalenyl-Fused Pyrylium Cations: Divergent C \equiv H Activation/Annulation Reaction Sequence of Naphthalene Aldehydes with Alkynes. 2017 , 129, 13274-13278		13
551	Rh-Catalyzed Regioselective ortho-C-H Carbenoid Insertion of Diarylazines. <i>Journal of Organic Chemistry</i> , 2017 , 82, 8611-8616	4.2	15
550	Rhodium(III)-catalyzed synthesis of indanones via C \equiv H activation of phenacyl phosphoniums and coupling with olefins. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 2114-2118	5.2	15
549	Synthesis of Benzopyrans by Enolate-Directed Rhodium-Catalyzed Oxidative C \equiv H Alkenylation of 1,3-Dicarbonyl Compounds. 2017 , 6, 1598-1603		3
548	Synthesis of [5,6]-Bicyclic Heterocycles with a Ring-Junction Nitrogen Atom: Rhodium(III)-Catalyzed C-H Functionalization of Alkenyl Azoles. 2017 , 56, 9183-9187		49

- 547 Nickel-catalyzed C-H activation of purine bases with alkyl halides. **2017**, 53, 9113-9116 30
- 546 Ligand-Assisted Heteroaryl C(sp²)-H Bond Activation by a Cationic Ruthenium(II) Complex for Alkenylation of Heteroarenes with Alkynes Directed by Biorelevant Heterocycles. **2017**, 9, 4191-4198 7
- 545 Water as a catalytic switch in the oxidation of aryl alcohols by polymer incarcerated rhodium nanoparticles. **2017**, 7, 3985-3998 12
- 544 Secondary Phosphine Oxide Preligands for Palladium-Catalyzed C-H (Hetero)Arylations: Efficient Access to Pybox Ligands. **2017**, 359, 3137-3141 14
- 543 Stoichiometric and Catalytic C-C and C-H Bond Formation with B(C₆F₅)₃ via Cationic Intermediates. **2017**, 56, 11995-11999 37
- 542 MnCl₂-Catalyzed C-H Alkylations with Alkyl Halides. *Chemistry - A European Journal*, **2017**, 23, 11524-11528 50
- 541 Group 9 Transition Metal-Catalyzed C-H Halogenations. **2017**, 57, 945-952 28
- 540 Experimental and Computational Development of a Conformationally Flexible Template for the meta-C-H Functionalization of Benzoic Acids. *Journal of the American Chemical Society*, **2017**, 139, 10702-10714 164 61
- 539 Rh(III)-Catalyzed C-H Cyclization of Arylnitrones with Diazo Compounds: Access to 3-Carboxylate Substituted N-Hydroxyindoles. *Journal of Organic Chemistry*, **2017**, 82, 8984-8994 4:2 29
- 538 Behavior, mechanism, and equilibrium studies of rhodium(I) extraction from hydrochloric acid with HMIImT. **2017**, 41, 10054-10061 2
- 537 Kombination von Cp*RhIII-katalysierter C-H-Aktivierung mit einer Variante der Wagner-Meerwein-Umlagerung. **2017**, 129, 1401-1405 19
- 536 Rhodium(III)-Catalyzed Synthesis of Naphthols via C-H Activation of Sulfoxonium Ylides. *Organic Letters*, **2017**, 19, 4307-4310 6.2 101
- 535 Rhodium(III)-Catalyzed C-H Activation of O-Acetyl Ketoximes/N-Methoxybenzamides toward the Synthesis of Isoquinoline/Isoquinolone-Fused Bicycles. **2017**, 6, 1561-1565 8
- 534 Redoxneutrale Mangan(I)-katalysierte C-H-Aktivierung: regioselektive Anellierung mithilfe einer spurlosen dirigierenden Gruppe. **2017**, 129, 12954-12958 38
- 533 Redox-Neutral Manganese(I)-Catalyzed C-H Activation: Traceless Directing Group Enabled Regioselective Annulation. **2017**, 56, 12778-12782 130
- 532 Selectivity Control in Ruthenium(II)-Catalyzed C-H/N-O Activation with Alkynyl Bromides. *Organic Letters*, **2017**, 19, 4620-4623 6.2 37
- 531 Rhodium-Catalyzed Synthesis of Multiaryl-substituted Naphthols via a Removable Directing Group. **2017**, 359, 3818-3825 26
- 530 Rhodium(III)-catalyzed selective access to isoindolinones via formal [4 + 1] annulation of arylamides and propargyl alcohols. **2017**, 38, 1390-1398 19

529	Rhodium(III)-Catalyzed C-H Activation of Nitrones and Annulative Coupling with Nitroalkenes. <i>Journal of Organic Chemistry</i> , 2017 , 82, 9877-9884	4.2	24
528	Asymmetric SN2?-type C-H functionalization of arenes with propargylic alcohols. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 2002-2007	5.2	31
527	Directed Meta-Selective CH Bond Functionalizations. 2017 , 289-325		3
526	Construction of Pyridazine Analogues via Rhodium-mediated C-H Activation. 2017 , 359, 3496-3502		20
525	Rh(III)-Catalyzed C-H Activation/Intramolecular Cyclization: Access to -Acy-2,3-dihydro-1-carbazol-4(9)-ones from Cyclic 2-Diazo-1,3-diketones and -Arylamides. 2017 , 2, 8507-8516		16
524	Ruthenium(II)-Catalyzed Redox-Neutral Oxidative Cyclization of Benzimidates with Alkenes with Hydrogen Evolution. <i>Organic Letters</i> , 2017 , 19, 6678-6681	6.2	28
523	Regio- and Stereoselective Iron-Catalyzed Oxyazidation of Enamides Using a Hypervalent Iodine Reagent. <i>Chemistry - A European Journal</i> , 2017 , 23, 17674-17677	4.8	19
522	Rhodium-Catalyzed Site-Selective Coupling of Indoles with Diazo Esters: C4-Alkylation versus C2-Annulation. <i>Organic Letters</i> , 2017 , 19, 6184-6187	6.2	62
521	Capturing Elusive Cobaltacycle Intermediates: A Real-Time Snapshot of the Cp*Co -Catalyzed Oxidative Alkyne Annulation. 2017 , 56, 12137-12141		42
520	Recent advances in the ruthenium(ii)-catalyzed chelation-assisted C-H olefination of substituted aromatics, alkenes and heteroaromatics with alkenes via the deprotonation pathway. 2017 , 53, 8931-8947		131
519	Rh-catalyzed aerobic oxidative cyclization of anilines, alkynes, and CO. 2017 , 8, 6266-6273		23
518	Cp*Co-Catalyzed C-H Alkenylation/Annulation Reactions of Indoles with Alkynes: A DFT Study. <i>Journal of Organic Chemistry</i> , 2017 , 82, 7379-7387	4.2	28
517	Tri-Substituted Triazole-Enabled C-H Activation of Benzyl and Aryl Amines by Iron Catalysis. <i>Organic Letters</i> , 2017 , 19, 3795-3798	6.2	43
516	Synthesis of Isoquinolines from Benzimidates and Alkynes via Cobalt(III)-Catalyzed C-H Functionalization/Cyclization. <i>Journal of Organic Chemistry</i> , 2017 , 82, 7643-7647	4.2	20
515	Recent advances in rhodium-catalyzed asymmetric synthesis of heterocycles. 2017 , 15, 1029-1050		46
514	Ruthenium(II) Biscarboxylate-Catalyzed Borylations of C(sp ²)-H and C(sp ³)-H Bonds. <i>Chemistry - A European Journal</i> , 2017 , 23, 84-87	4.8	24
513	Unified synthesis of mono/bis-arylated phenols Rh-catalyzed dehydrogenative coupling. 2017 , 8, 169-173		42
512	Rhodium(III)-Catalyzed Enantiotopic C-H Activation Enables Access to P-Chiral Cyclic Phosphinamides. 2017 , 56, 364-367		159

- 511 Rhodium(III)-Catalyzed Enantiotopic C_H Activation Enables Access to P-Chiral Cyclic Phosphinamides. **2017**, 129, 370-373 77
- 510 Heptamethylindenyl (Ind*) enables diastereoselective benzamidation of cyclopropenes Rh(III)-catalyzed C-H activation. **2017**, 8, 1015-1020 79
- 509 Rhodium(III)-catalysed, redox-neutral C(sp²)-H alkenylation using pivalimide as a directing group with internal alkynes. *Tetrahedron Letters*, **2017**, 58, 1-4 2 6
- 508 High-Valent Cobalt-Catalyzed CH Bond Functionalization. **2017**, 68, 197-247 30
- 507 Synthesis of Isoquinolinones via Regioselective Palladium-Catalyzed C_H Activation/Annulation. **2017**, 7, 320 4
- 506 Unprecedented Dearomatized Spirocyclopropane in a Sequential Rhodium(III)-Catalyzed C-H Activation and Rearrangement Reaction. **2018**, 57, 5520-5524 31
- 505 Rhodium(III)-catalyzed Oxidative Coupling of N-Methoxybenzamides and Ethenesulfonyl fluoride: a C_H Bond Activation Strategy for the Preparation of 2-Aryl ethenesulfonyl fluorides and Sulfonyl fluoride Substituted β -Lactams. *Organic Chemistry Frontiers*, **2018**, 5, 1411-1415 5.2 36
- 504 C-Methylation of Alcohols, Ketones, and Indoles with Methanol Using Heterogeneous Platinum Catalysts. **2018**, 8, 3091-3103 62
- 503 Rhodium-Catalyzed Relay Carbenoid Functionalization of Aromatic C-H Bonds toward Fused Heteroarenes. *Organic Letters*, **2018**, 20, 1396-1399 6.2 103
- 502 Iridium-catalysed direct sulfamidation of quinazolinones.. **2018**, 8, 8450-8454 16
- 501 Comparison of the Reactivities and Selectivities of Group 9 [Cp*M] Catalysts in C-H Functionalization Reactions. **2018**, 13, 1089-1102 65
- 500 Ruthenium(II)-Catalyzed Redox-Free [3 + 2] Cycloaddition of N-Sulfonyl Aromatic Aldimines with Maleimides. *Journal of Organic Chemistry*, **2018**, 83, 3746-3755 4.2 27
- 499 Redox-Neutral Access to Isoquinolinones via Rhodium(III)-Catalyzed Annulations of O-Pivaloyl Oximes with Ketenes. *Organic Letters*, **2018**, 20, 2698-2701 6.2 19
- 498 Rhenium(I)-Catalyzed ortho-C-H Addition to Bicyclic Alkenes. **2018**, 13, 1664-1668 17
- 497 Rhodium(III)-Catalyzed C-H Activation of Benzoylacetone nitriles and Cyclization with Sulfoxonium Ylides to Naphthols. **2018**, 360, 2546-2551 63
- 496 Iridium(III)-Catalyzed Directed ortho-C(sp²)-H Amidation of Arenes with Sulfonamides. *European Journal of Organic Chemistry*, **2018**, 2018, 2071-2077 3.2 5
- 495 A Rh(III)-catalyzed redox-neutral C_H alkylation reaction with allylic alcohols by using a traceless oxidizing directing group. *Organic Chemistry Frontiers*, **2018**, 5, 1844-1847 5.2 23
- 494 Effiziente Synthese von arylierten Furanen durch sequentielle Rhodium-katalysierte Arylierung und Cycloisomerisierung von Cyclopropenen. **2018**, 130, 1728-1732 17

493	Divergent Coupling of Anilines and Enones by Integration of C-H Activation and Transfer Hydrogenation. 2018 , 57, 6681-6685		22
492	Experimental and theoretical studies on rhodium-catalyzed direct C-H benzylation reaction. <i>Tetrahedron Letters</i> , 2018 , 59, 2042-2045	2	5
491	Towards Sustainable C-H Functionalization Reactions: The Emerging Role of Bio-Based Reaction Media. <i>Chemistry - A European Journal</i> , 2018 , 24, 13383-13390	4.8	31
490	Rh(III)-Catalyzed Mild Coupling of Nitrones and Azomethine Imines with Alkylidenecyclopropanes via C-H Activation: Facile Access to Bridged Cycles. 2018 , 8, 4194-4200		58
489	Hydroxyl-Directed Rhodium-Catalyzed C-H Bond Activation and Cyclization Leading to Naphtho[1,8-bc]pyran Derivatives and its Analogues. 2018 , 360, 2113-2118		20
488	Rhenium- and Manganese-Catalyzed Selective Alkenylation of Indoles. 2018 , 10, 2681-2685		37
487	Beispielloses dearomatisiertes Spirocyclopropan in einer sequenziellen Rhodium(III)-katalysierten C-H-Aktivierung und Umlagerungsreaktion. 2018 , 130, 5618-5622		8
486	Conceptual Extension of the Degradation→Transformation of N-Heterocyclic Carbenes: Unusual Rearrangements on Osmium. 2018 , 37, 3412-3424		11
485	Manganese(II/III/I)-Catalyzed C-H Arylations in Continuous Flow. 2018 , 8, 4402-4407		34
484	Electrooxidative Rhodium-Catalyzed C-H/C-H Activation: Electricity as Oxidant for Cross-Dehydrogenative Alkenylation. 2018 , 57, 5828-5832		136
483	Iridium-Catalyzed Aerobic Coupling of Salicylaldehydes with Alkynes: A Remarkable Switch of Oxacyclic Product. <i>Chemistry - A European Journal</i> , 2018 , 24, 7852-7855	4.8	8
482	Ir(III)-Catalyzed Carbocarbation of Alkynes through Undirected Double C-H Bond Activation of Anisoles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5370-5374	16.4	54
481	Electrooxidative Rhodium-Catalyzed C-H/C-H Activation: Electricity as Oxidant for Cross-Dehydrogenative Alkenylation. 2018 , 130, 5930-5934		52
480	Comparative computational study on C-C/C-N/C-Br bond formations in Rh(III)-catalyzed C-H functionalizations: Stepwise versus concerted mechanisms. 2018 , 864, 105-109		2
479	C-H bond cleavage occurring on a Rh(V) intermediate: a theoretical study of Rh-catalyzed arene azidation. 2018 , 8, 1645-1651		31
478	Rhodium-catalyzed C-H bond activation alkylation and cyclization of 2-arylquinazolin-4-ones. 2018 , 16, 1851-1859		18
477	Transition-Metal-Catalyzed Cyanation by Using an Electrophilic Cyanating Agent, N-Cyano-N-phenyl-p-toluenesulfonamide (NCTS). 2018 , 13, 482-495		37
476	Highly meta-selective halogenation of 2-phenylpyridine with a ruthenium(I) catalyst. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 1118-1123	5.2	11

475	Copper-mediated Decarboxylative Coupling of Benzamides with Potassium Malonate Monoesters via Directed C-H Cleavage. 2018 , 47, 450-453		5
474	Syntheses, Structures, and Reactions of Cyclometalated Rhodium, Iridium, and Ruthenium Complexes of N-Methoxy-4-nitrobenzamide. 2018 , 37, 476-481		13
473	Tandem Rh-Catalyzed [4 + 2] Vinylic C-H O-Annulation of Exocyclic Enones with Alkynes and 1,5-H Shift. <i>Organic Letters</i> , 2018 , 20, 1074-1077	6.2	11
472	Rhodium(III)-Catalyzed Synthesis of Spiropiperidine Derivatives via C-H Activation. <i>Journal of Organic Chemistry</i> , 2018 , 83, 2324-2340	4.2	11
471	Synthesis of Functionalized (η -Indenyl)rhodium(III) Complexes and Their Application to C-H Bond Functionalization. 2018 , 13, 505-509		17
470	Rh(III)-Catalyzed Acceptorless Dehydrogenative Coupling of (Hetero)arenes with 2-Carboxyl Allylic Alcohols. <i>Organic Letters</i> , 2018 , 20, 740-743	6.2	35
469	Recent advances in manganese-catalysed C-H activation: scope and mechanism. 2018 , 8, 1251-1266		50
468	Rhodium(III)-Catalyzed Directed C-H Coupling with Methyl Trifluoroacrylate: Diverse Synthesis of Fluoroalkenes and Heterocycles. <i>Organic Letters</i> , 2018 , 20, 570-573	6.2	36
467	One-Carbon Oxidative Annulations of 1,3-Enynes by Catalytic C-H Functionalization and 1,4-Rhodium(III) Migration. <i>Chemistry - A European Journal</i> , 2018 , 24, 4050-4054	4.8	15
466	Transient Directing Groups for Transformative C-H Activation by Synergistic Metal Catalysis. 2018 , 4, 199-222		392
465	Efficient Synthesis of Arylated Furans by a Sequential Rh-Catalyzed Arylation and Cycloisomerization of Cyclopropenes. 2018 , 57, 1712-1716		66
464	Electronic and Steric Tuning of a Prototypical Piano Stool Complex: Rh(III) Catalysis for C-H Functionalization. 2018 , 51, 170-180		195
463	Oxidative Coupling Mechanisms: Current State of Understanding. 2018 , 8, 1161-1172		56
462	Rhodium(III)-catalyzed annulative coupling between arenes and sulfoxonium ylides via C-H activation. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 998-1002	5.2	118
461	Electrochemical C-H/N-H Activation by Water-Tolerant Cobalt Catalysis at Room Temperature. 2018 , 130, 2407-2411		53
460	Synthesis and fluorescence of 3,4,6,7,8,9-hexaphenyl-1H-benzo[g]isochromen-1-one. 2018 , 867, 67-70		8
459	Electrochemical C-H/N-H Activation by Water-Tolerant Cobalt Catalysis at Room Temperature. 2018 , 57, 2383-2387		171
458	Rhodium(III)-catalyzed chemodivergent annulations between N-methoxybenzamides and sulfoxonium ylides via C-H activation. 2018 , 54, 670-673		143

457	Rhodium(III)-Catalyzed Selective Direct Olefination of Imidazoles. 2018 , 360, 985-994		14
456	Rhodium(III)-Catalyzed Annulation of 2-Alkenyl Anilides with Alkynes through C-H Activation: Direct Access to 2-Substituted Indolines. 2018 , 130, 8387-8391		11
455	Synthesis of Fluorine-Containing 6-Aryl-purine Derivatives via Cp*Co(III)-Catalyzed C-H Bond Activation. 2018 , 66, 51-54		23
454	Rhodium(III)-Catalyzed Annulation of 2-Alkenyl Anilides with Alkynes through C-H Activation: Direct Access to 2-Substituted Indolines. 2018 , 57, 8255-8259		35
453	Ru(II)-Catalyzed Annulative Coupling of Benzoic Acids with Vinyl Sulfone via Weak Carboxylate-Assisted C-H Bond Activation. 2018 , 7, 1302-1306		11
452	Divergent Coupling of Anilines and Enones by Integration of C-H Activation and Transfer Hydrogenation. 2018 , 130, 6791-6795		3
451	Rh(III)-Catalyzed C-H Activation: Mizoroki-Hideki-Type Reaction of Maleimides. 2018 , 7, 1338-1342		25
450	Rhodium(III)-catalyzed C-H functionalization of C-alkenyl azoles with sulfoxonium ylides for the synthesis of bridgehead -fused [5,6]-bicyclic heterocycles. 2018 , 74, 3318-3324		31
449	Tandem Rh-Catalyzed Oxidative C-H Olefination and Cyclization of Enantiomerically Enriched Benzo-1,3-Sulfamidates: Stereoselective Synthesis of trans-1,3-Disubstituted Isoindolines. <i>Journal of Organic Chemistry</i> , 2018 , 83, 3864-3878	4.2	8
448	Copper-Catalyzed Annulation Cascades of Alkyne-Tethered α -Bromocarbonyls with Alkynes: An Access to Heteropolycycles. <i>Organic Letters</i> , 2018 , 20, 2129-2132	6.2	9
447	Ruthenium(II)-Catalyzed Cyclization of Aromatic Acids with Allylic Acetates via Redox-Free Two-Fold Aromatic/Allylic C-H Activations: Combined Experimental and DFT Studies. <i>Organic Letters</i> , 2018 , 20, 1982-1986	6.2	31
446	An Orchestrated Unsymmetrical Annulation Episode of C(sp)-H Bonds with Alkynes and Quinones: Access to Spiro-isoquinolones. <i>Organic Letters</i> , 2018 , 20, 1914-1918	6.2	35
445	Access to Quaternary Stereogenic Centers via Rhodium(III)-Catalyzed Annulations between 2-Phenylindoles and Ketenes. <i>Organic Letters</i> , 2018 , 20, 1957-1960	6.2	20
444	Palladium-catalyzed dehydrogenative coupling of cyclic enones with thiophenes: a rapid access to α -heteroarylated cyclic enones. 2018 , 54, 3668-3671		12
443	C-H Activation and Alkyne Annulation via Automatic or Intrinsic Directing Groups: Towards High Step Economy. 2018 , 18, 556-569		53
442	Mechanism and selectivity of rhodium-catalyzed C-H bond arylation of indoles. 2018 , 118, e25526		6
441	Rhodium-Catalyzed C-H Functionalization of Indoles with Diazo Compounds: Synthesis of Structurally Diverse 2,3-Fused Indoles. 2018 , 360, 100-105		16
440	A versatile rhodium(III) catalyst for direct acyloxylation of aryl and alkenyl C-H bonds with carboxylic acids. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 415-422	5.2	35

439	Methoden der C-H-Funktionalisierung für den Wasserstoffisotopenaustausch. 2018 , 130, 3074-3101		55
438	C-H Functionalisation for Hydrogen Isotope Exchange. 2018 , 57, 3022-3047		216
437	The regioselective synthesis of 2-phosphinoylindoles via Rh(III)-catalyzed C-H activation. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 88-91	5.2	17
436	Oxidative coupling of benzoic acids with alkynes: Catalyst design and selectivity. 2018 , 867, 14-24		35
435	Rhodium-Catalyzed Cyclization of α,β -Unsaturated Alkoxyamines: Formation of Oxygen-Containing Heterocycles. 2018 , 130, 583-587		8
434	Pyridinium Salt Forming Rh(III)-Catalyzed Annulation Reaction of Secondary Allylamines with Internal Alkynes and Its Application to Surface Modification of a Mesoporous Material. <i>Organic Letters</i> , 2018 , 20, 264-267	6.2	10
433	Rhodium-Catalyzed Alkenyl C-H Activation and Oxidative Coupling with Allylic Alcohols. 2018 , 7, 240-247		13
432	Rhodium-Catalyzed Cyclization of α,β -Unsaturated Alkoxyamines: Formation of Oxygen-Containing Heterocycles. 2018 , 57, 574-578		20
431	Rh(III)-Catalyzed Redox-Neutral Unsymmetrical C-H Alkylation and Amidation Reactions of N-Phenoxyacetamides. <i>Journal of the American Chemical Society</i> , 2018 , 140, 42-45	16.4	100
430	Plausible Rh(V) Intermediates in Catalytic C-H Activation Reactions. 2018 , 8, 242-257		103
429	Transition-Metal-Catalyzed Hydroacylation. 2018 , 231-592		6
428	Rhodium-catalyzed triazole-directed C-H bond functionalization of arenes with diazo compounds. 2018 , 16, 8191-8195		17
427	Electrochemical ruthenium-catalyzed alkyne annulations by C-H/Het-H activation of aryl carbamates or phenols in protic media. 2018 , 54, 12879-12882		65
426	Facile construction of hydrogenated azepino[3,2,1-hi]indoles by Rh(III)-catalyzed C-H activation/[5 + 2] annulation of N-cyanoacetylidolines with sulfoxonium ylides. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 3263-3266	5.2	34
425	Nickel-catalyzed regioselective arylation of aromatic amides with aryl iodides enabled by an N,O-bidentate directing group. 2018 , 16, 8783-8790		5
424	CF ₃ -Carbenoid functionalization of N-(pyrimidin-2-yl)indole catalyzed by cobalt complexes: Ligand control of selectivity. 2018 , 28, 359-361		12
423	Rhodium(III)-Catalyzed Redox-Neutral Cascade [3 + 2] Annulation of N-Phenoxyacetamides with Propiolates via C-H Functionalization/Isomerization/Lactonization. <i>Organic Letters</i> , 2018 , 20, 7131-7136	6.2	35
422	Organometallic Chelation-Assisted C-H Functionalization. 2018 , 391-423		2

4 ₂₁	Three-Component Coupling of Aldehydes, Aminopyrazoles, and Sulfoxonium Ylides via Rhodium(III)-Catalyzed Imido C-H Activation: Synthesis of Pyrazolo[1,5- a]pyrimidines. <i>Journal of Organic Chemistry</i> , 2018 , 83, 15347-15360	4.2	41
4 ₂₀	Chemo-selective couplings of anilines and acroleins/enones under substrate control and condition control. 2018 , 39, 1782-1791		3
4 ₁₉	Nickel-Catalyzed Synthesis of Benzo[b]naphtho[1,2- d]azepine via Intramolecular Radical Tandem Cyclization of Alkyl Bromide-Tethered Alkylidenecyclopropanes. <i>Organic Letters</i> , 2018 , 20, 6229-6233	6.2	18
4 ₁₈	Rhodium(III)-catalyzed intermolecular cascade annulation through C-H activation: Concise synthesis of rosettacin. <i>Molecular Catalysis</i> , 2018 , 459, 129-134	3.3	12
4 ₁₇	Thiocarbonyl-enabled ferrocene C-H nitrogenation by cobalt(III) catalysis: thermal and mechanochemical. 2018 , 14, 1546-1553		33
4 ₁₆	Cobalt-catalyzed cyclization of benzamides with alkynes: a facile route to isoquinolones with hydrogen evolution. 2018 , 16, 8384-8389		22
4 ₁₅	The mechanism and origin of the regioselectivity of cobalt-catalyzed annulation of allenes with benzamide: a computational study. 2018 , 47, 13592-13601		2
4 ₁₄	Rhodium(III)-Catalyzed C _H Vinylation of Arenes: Access to Functionalized Styrenes. 2018 , 36, 1143-1146		16
4 ₁₃	Annulation of α -Enaminonitriles with Alkynes via Rh-Catalyzed C-H Activation: Direct Access to Highly Substituted 1-Naphthylamines and Naphtho[1,8- bc]pyridines. <i>Organic Letters</i> , 2018 , 20, 5640-5643	6.2	20
4 ₁₂	Metal-Catalyzed Aromatic C-O Bond Activation/Transformation. 2018 , 103-140		8
4 ₁₁	A Rhodium-Catalyzed [3 + 2] Annulation of General Aromatic Aldimines/Ketimines and N-Substituted Maleimides. <i>Organic Letters</i> , 2018 , 20, 5960-5963	6.2	25
4 ₁₀	Rh(III)-Catalyzed regioselective C _H [4 + 2] C-annulation of vinyl enaminones with alkynes to form polysubstituted salicylaldehydes. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2875-2879	5.2	14
4 ₀₉	Two-Fold C-H/C-H Cross-Coupling Using RhCl(BHO) as the Catalyst: Direct Fusion of N-(Hetero)arylimidazolium Salts and (Hetero)arenes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12566-12573	16.4	47
4 ₀₈	Mechanistic insights into the S ₂ -type reactivity of aryl-Co(iii) masked-carbenes for C-C bond forming transformations. 2018 , 9, 5736-5746		10
4 ₀₇	Annulation cascade of aryl nitriles with alkynes to stable delocalized PAH carbocations intramolecular rhodium migration. 2018 , 9, 5488-5493		27
4 ₀₆	Electroremovable Traceless Hydrazides for Cobalt-Catalyzed Electro-Oxidative C-H/N-H Activation with Internal Alkynes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7913-7921	16.4	168
4 ₀₅	Rhodium(III)-Catalyzed Synthesis of Cinnolinium Salts from Azobenzenes and Diazo Compounds. 2018 , 360, 2836-2842		21
4 ₀₄	Ruthenium(II)-Catalyzed Regioselective-Controlled Allenylation/Cyclization of Benzimides with Propargyl Alcohols. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8567-8580	4.2	31

403	Transition-Metal-Free, TsOH-Mediated Direct C _H Allylation of 1,4-Benzoquinone with Allylic Alcohols. 2018 , 7, 1385-1389		7
402	Rhodium-catalyzed oxidative homologation of N-pyrimidyl indolines with alkynes via dual C-H activation: Facile synthesis of benzo[g]indolines. 2018 , 29, 907-910		26
401	Functionalized Cyclopentadienyl Ligands and Their Substituent Effects on a Rhodium(III)-Catalyzed Oxidative [4+2] Annulation of Indole- and Pyrrole-1-Carboxamides with Alkynes. 2018 , 7, 1396-1402		15
400	Rhodium(III)-Catalyzed C-H Alkynylation of N-Methylsulfoximines. 2018 , 13, 2449-2452		4
399	Synthesis of Azolo[1,3,5]triazines via Rhodium(III)-Catalyzed Annulation of N-Azolo Imines and Dioxazolones. <i>Journal of Organic Chemistry</i> , 2018 , 83, 9522-9529	4.2	25
398	A lesson for site-selective C-H functionalization on 2-pyridones: radical, organometallic, directing group and steric controls. 2018 , 9, 22-32		83
397	Current Mechanistic Understanding of Cobalt-Catalyzed C _H Functionalization. 2018 , 69, 209-282		17
396	Catalytic Alkyne Arylation Using Traceless Directing Groups. 2018 , 57, 13598-13602		11
395	Recent developments in the synthesis of nitrogen containing five-membered polyheterocycles using rhodium catalysts. 2018 , 48, 2457-2474		34
394	Electrochemical synthesis of some 2-aminobenzofuran-3-carbonitrile and 2-aminobenzofuran-3-carboxylate derivatives: product diversity by changing the applied current density. 2018 , 42, 14876-14882		3
393	Stereodivergent Rhodium(III)-Catalyzed cis-Cyclopropanation Enabled by Multivariate Optimization. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9587-9593	16.4	42
392	Pentamethylcyclopentadienyl rhodium(III)-chiral disulfonate hybrid catalysis for enantioselective C _H bond functionalization. 2018 , 1, 585-591		88
391	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. 2018 , 57, 12048-12052		88
390	Indenyl Rhodium Complexes with Arene Ligands: Synthesis and Application for Reductive Amination. 2018 , 37, 2553-2562		19
389	A ruthenium-catalyzed alkenylation-annulation approach for the synthesis of indazole derivatives via C-H bond activation. 2018 , 16, 5973-5978		18
388	Catalytic Alkyne Arylation Using Traceless Directing Groups. 2018 , 130, 13786-13790		2
387	Pd-Catalyzed Direct C-H Functionalization/Annulation of BODIPYs with Alkynes to Access Unsymmetrical Benzo[b]-Fused BODIPYs: Discovery of Lysosome-Targeted Turn-On Fluorescent Probes. <i>Journal of Organic Chemistry</i> , 2018 , 83, 9538-9546	4.2	28
386	Room-Temperature C _H Bond Functionalization by Merging Cobalt and Photoredox Catalysis. 2018 , 8, 8115-8120		89

385	Nickel-Catalyzed Stereospecific C-H Coupling of Benzamides with Epoxides. 2018 , 57, 11797-11801		27
384	Dual Effects of Cyclopentadienyl Ligands on Rh(III)-Catalyzed Dehydrogenative Arylation of Electron-Rich Alkenes. 2018 , 8, 8070-8076		36
383	Nickel-Catalyzed Stereospecific C-H Coupling of Benzamides with Epoxides. 2018 , 130, 11971-11975		6
382	Rhodium-catalyzed intramolecular cascade sequence for the formation of fused carbazole-annulated medium-sized rings by cleavage of C(sp)-H/C(sp)-H bonds. 2018 , 54, 9147-9150		13
381	Weinreb Amide Directed Versatile C-H Bond Functionalization under (η ⁵ -Pentamethylcyclopentadienyl)cobalt(III) Catalysis. <i>Chemistry - A European Journal</i> , 2018 , 24, 10231	4.8	34
380	Rhodium(III)-Catalyzed C-H Functionalization in Water for Isoindolin-1-one Synthesis. <i>Organic Letters</i> , 2018 , 20, 2831-2834	6.2	43
379	Nickel(ii)-catalyzed tandem C(sp)-H bond activation and annulation of arenes with -dibromoalkenes.. 2018 , 8, 28668-28675		5
378	Chiral Carboxylic Acid Enabled Achiral Rhodium(III)-Catalyzed Enantioselective C-H Functionalization. 2018 , 130, 12224-12228		47
377	One-Pot Unsymmetrical {[4 + 2] and [4 + 2]} Double Annulations of o/ o'-C-H Bonds of Arenes: Access to Unusual Pyranoisoquinolines. <i>Organic Letters</i> , 2018 , 20, 5144-5148	6.2	31
376	Cyclooctadiene iridium complexes [Cp*Ir(COD)X] ⁺ (X = Cl, Br, I): Synthesis and application for oxidative coupling of benzoic acid with alkynes. 2018 , 874, 7-12		15
375	Rhodium(III)-Catalyzed Oxidative Annulation of 2,2'-Bipyridine N-Oxides with Alkynes via Dual C-H Bond Activation. <i>Organic Letters</i> , 2018 , 20, 3843-3847	6.2	36
374	Microwave-Assisted Ruthenium-Catalysed ortho-C-H Functionalization of N-Benzoyl β-Amino Ester Derivatives. 2018 , 360, 3083-3089		16
373	Cu-Mediated Stereoselective [4+2] Annulation between N-Hydroxybenzimidoyl Cyanide and Norbornene. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8457-8463	4.2	2
372	Direct arylation polymerization: A guide to optimal conditions for effective conjugated polymers. 2018 , 83, 135-201		75
371	Rh(III)-Catalyzed Synthesis of Isoquinolones and 2-Pyridones via Annulation of N-Methoxyamides and Nitroalkenes. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 4381-4388	3.2	13
370	Electrocatalytic C-H Activation. 2018 , 8, 7086-7103		394
369	Directed Cp*Rh(III)-Catalyzed Fluorosulfonylvinylation of Arenes. 2019 , 38, 76-80		32
368	Recent Advances in Ruthenium(II)-Catalyzed C-H Bond Activation and Alkyne Annulation Reactions. 2019 , 361, 654-672		112

367	Selective Conversion of Furoic Acid Derivatives to Multi-Substituted Furanacrylate by a Ruthenium Catalyst. <i>2019</i> , 11, 5124-5130		6
366	Rhodium-Catalyzed Reaction of Sulfoxonium Ylides and Anthranils toward Indoloindolones via a (4 + 1) Annulation. <i>Organic Letters</i> , 2019 , 21, 6653-6657	6.2	52
365	Construction of Pyranoisoquinolines via Ru(II)-Catalyzed Unsymmetrical Double Annulation of -Methoxybenzamides with Unactivated Alkynes. <i>Journal of Organic Chemistry</i> , 2019 , 84, 13033-13044	4.2	14
364	The ruthenium-catalyzed C-H functionalization of enamides with isocyanates: easy entry to pyrimidin-4-ones. 2019 , 55, 11115-11118		15
363	Multicomponent Aromatic and Benzylic Mannich Reactions through C-H Bond Activation. <i>Chemistry - A European Journal</i> , 2019 , 25, 13824-13828	4.8	6
362	Sequential C \equiv H and C \equiv N Bond Cleavage: Divergent Constructions of Fused N-Heterocycles via Tunable Cascade. 2019 , 9, 8749-8756		18
361	Redox-Neutral Rhodium(III)-Catalyzed Annulation of Arylhydrazines with Sulfoxonium Ylides To Synthesize 2-Arylindoles. <i>Journal of Organic Chemistry</i> , 2019 , 84, 13013-13021	4.2	26
360	Streamlined Ruthenium(II) Catalysis for One-Pot 2-fold Unsymmetrical C-H Olefination of (Hetero)Arenes. <i>Organic Letters</i> , 2019 , 21, 5879-5883	6.2	16
359	Traceless-Activation Strategy for Rh-Catalyzed Csp-H Arylation of Coumarins. <i>Organic Letters</i> , 2019 , 21, 5907-5911	6.2	12
358	Chiral 2-Aryl Ferrocene Carboxylic Acids for the Catalytic Asymmetric C(sp ³) \equiv H Activation of Thioamides. 2019 , 38, 3921-3926		47
357	Cobalt-Catalyzed Oxidative Annulation of Benzothiophene-[1,1-dioxide through Diastereoselective Double C-H Activation. <i>Organic Letters</i> , 2019 , 21, 9806-9811	6.2	11
356	Rhodium-Catalyzed Enantioselective Oxidative [3+2] Annulation of Arenes and Azabicyclic Olefins through Twofold C \equiv H Activation. 2019 , 131, 17830-17834		29
355	Rhodium-Catalyzed Enantioselective Oxidative [3+2] Annulation of Arenes and Azabicyclic Olefins through Twofold C-H Activation. 2019 , 58, 17666-17670		63
354	Synthesis of Naphthols by Rh(III)-Catalyzed Domino C-H Activation, Annulation, and Lactonization Using Sulfoxonium Ylide as a Traceless Directing Group. <i>Organic Letters</i> , 2019 , 21, 8424-8428	6.2	37
353	Catalytic Enantioselective Methylene C(sp ³)-H Amidation of 8-Alkylquinolines Using a Cp*Rh/Chiral Carboxylic Acid System. 2019 , 58, 18154-18158		61
352	Copper-Mediated Decarboxylative C \equiv H Arylation of Phenol Derivatives with ortho-Nitrobenzoic Acids Using Phenanthroline-Based Bidentate Auxiliary. <i>ChemistrySelect</i> , 2019 , 4, 11833-11838	1.8	1
351	Electrochemistry-Enabled Ir-Catalyzed Vinylic C-H Functionalization. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18970-18976	16.4	77
350	Catalytic Enantioselective Methylene C(sp ³) \equiv H Amidation of 8-Alkylquinolines Using a Cp*RhIII/Chiral Carboxylic Acid System. 2019 , 131, 18322-18326		25

- 349 Formal Lossen Rearrangement/Alkenylation or Annulation Cascade of Heterole Carboxamides with Alkynes Catalyzed by CpRh Complexes with Pendant Amides. *Chemistry - A European Journal*, **2019**, 25, 16022 4.8 12
- 348 Diastereoselective Formation of Alkenes Through C(sp²)H Bond Activation. **2019**, 239-274 2
- 347 Indenyl complexes of Group 9 metals: Synthetic and catalytic chemistry. **2019**, 399, 213027 12
- 346 Generation of Heteroatom Stereocenters by Enantioselective C-H Functionalization. **2019**, 9, 9164-9177 72
- 345 C-H Activation versus Ring Opening and Inner- versus Outer-Sphere Concerted Metalation-Deprotonation in Rh(III)-Catalyzed Oxidative Coupling of Oxime Ether and Cyclopropanol: A Density Functional Theory Study. *Journal of Organic Chemistry*, **2019**, 84, 11150-11160 4.2 10
- 344 A ruthenium-catalyzed free amine directed (5+1) annulation of anilines with olefins: diverse synthesis of phenanthridine derivatives. **2019**, 55, 11908-11911 17
- 343 C-H and N-H bond annulation of aryl amides with unactivated olefins by merging cobalt(iii) and photoredox catalysis. **2019**, 55, 11626-11629 33
- 342 Rh(III)-Catalyzed C-H Bond Activation for the Construction of Heterocycles with sp³-Carbon Centers. **2019**, 9, 823 16
- 341 Rhodium(III)-Catalyzed C(sp)-H Functionalization of Cyclobutenes. Access to Cyclobuta-pyridones and -pyridines. *Organic Letters*, **2019**, 21, 8364-8368 6.2 16
- 340 Iridium-Catalyzed Cross-Coupling Reactions of Alkenes by Hydrogen Transfer. *Organic Letters*, **2019**, 21, 8219-8224 6.2 13
- 339 Flow Rhodaelectro-Catalyzed Alkyne Annulations by Versatile C-H Activation: Mechanistic Support for Rhodium(III/IV). *Journal of the American Chemical Society*, **2019**, 141, 17198-17206 16.4 85
- 338 Palladium-catalyzed annulation of N-alkoxy benzenesulfonamides with arynes by C-H functionalization: access to dibenzosultams. *Organic Chemistry Frontiers*, **2019**, 6, 517-522 5.2 16
- 337 Insight into 6π Electrocyclic Reactions of 1,8-Dioxatetraene. **2019**, 58, 2660-2664 4
- 336 Rhodium(III)-catalyzed Intermolecular Unactivated Secondary C(sp³)H Bond Amidation Directed by 3,5-dimethylpyrazole. **2019**, 361, 1564-1569 9
- 335 Rh(III)-Catalyzed Regioselective Acetylation of sp² C-H Bond Starting from Paraformaldehyde. **2019**, 11, 3791-3796 5
- 334 Rhodium(iii) vs. cobalt(iii): a mechanistically distinct three-component C-H bond addition cascade using a Cp*Rh catalyst. **2019**, 55, 695-698 18
- 333 Acylsilane directed aromatic C-H alkenylations by ruthenium catalysis. **2019**, 55, 826-829 16
- 332 Site-selective C-H activation and regiospecific annulation using propargylic carbonates. **2019**, 10, 6560-6564 33

- 331 Unravelling Molecular Aspects of the Migratory Insertion Step in Cp*Co Metallacyclic Systems. **2019**, 58, 10569-10577 17
- 330 Rhodium-Catalyzed Cascade Annulation of Benzimidates and Nitroalkenes for the Synthesis of Difunctionalized Indenes. **2019**, 361, 4140-4146 7
- 329 One-pot synthesis of pyranoquinolin-1-ones via Rh(III)-catalysed redox annulation of 3-carboxyquinolines and alkynes. *Organic Chemistry Frontiers*, **2019**, 6, 2897-2901 5.2 10
- 328 One-Pot Sequential Synthesis of Fused Isoquinolines via Intramolecular Cyclization/Annulation and their Photophysical Investigation. **2019**, 361, 3824-3836 10
- 327 Rhodium(iii)-catalysed carboxylate-directed C-H functionalizations of isoxazoles with alkynes. **2019**, 55, 8382-8385 13
- 326 Rh(iii)-catalyzed C-7 arylation of indolines with arylsilanes C-H activation.. **2019**, 9, 18191-18195 11
- 325 Cascade intramolecular imidoylation and C-H activation/annulation of benzimidoyl chlorides with alkynes: one-pot synthesis of 7H-dibenzo[de,h]quinoline analogues. **2019**, 55, 7097-7100 10
- 324 A rhodium(iii)-catalyzed tunable coupling reaction of indole derivatives with alkylidenecyclopropanes via C-H activation. **2019**, 55, 7558-7561 9
- 323 Palladium-Catalyzed Annulation of Aryltriazoles and Arylisoxazoles with Alkynes. **2019**, 361, 4386-4392 3
- 322 Synthesis of 1-aminoindole derivatives via Rh(III)-catalyzed annulation reactions of hydrazines with sulfoxonium ylides. *Organic Chemistry Frontiers*, **2019**, 6, 2662-2666 5.2 26
- 321 Palladium-Catalyzed Template Directed C-5 Selective Olefination of Thiazoles. *Journal of Organic Chemistry*, **2019**, 84, 8315-8321 4.2 25
- 320 Activation Relay on Rhodium-Catalyzed C-H Aminomethylation in Cooperation with Photoredox Catalysis. *Organic Letters*, **2019**, 21, 4077-4081 6.2 24
- 319 Rh(III)-Catalyzed Distal C-H Alkenylation of Weakly Coordinating Acetamides Via Desilylation Pathway. **2019**, 361, 3683-3688 3
- 318 RhCl₃·3H₂O-Catalyzed Regioselective C(sp²) β Alkoxyacylation: Efficient Synthesis of Indole- and Pyrrole-2-carboxylic Acid Esters. **2019**, 9, 5545-5551 19
- 317 Transition metal-catalyzed cross-coupling methodologies for the engineering of small molecules with applications in organic electronics and photovoltaics. **2019**, 392, 177-236 21
- 316 Rhodium(III)-Catalyzed Directed C-H Dienylation of Anilides with Allenes Leads to Highly Conjugated Systems. *Organic Letters*, **2019**, 21, 3237-3241 6.2 14
- 315 Manganese(I)-Catalyzed Synthesis of Fused Eight- and Four-Membered Carbocycles via C-H Activation and Pericyclic Reactions. *Organic Letters*, **2019**, 21, 3402-3406 6.2 19
- 314 Copper-Catalyzed Regioselective C β Amination of Phenol Derivatives with Assistance of Phenanthroline-Based Bidentate Auxiliary. **2019**, 9, 5336-5344 30

313	Mizellare Katalyse f̄ Ruthenium(II)-katalysierte C-H-Arylierung: Schwache Koordination erm̄glicht C-H-Aktivierung in H ₂ O. 2019 , 131, 7569-7573		4
312	Pd(II)-Catalyzed Asymmetric Oxidative Annulation of N-Alkoxyheteroaryl Amides and 1,3-Dienes. <i>Organic Letters</i> , 2019 , 21, 2048-2051	6.2	23
311	Oxidative Annulation of Acetanilides with Alkynes Catalyzed by Cyclopentadienyl Rhodium(III) Complexes with Pendant Amides. 2019 , 8, 986-993		6
310	Resource Economy by Metallaelectrocatalysis: Merging Electrochemistry and C H Activation. 2019 , 1, 63-76		132
309	Synthesis of indoles and quinazolines via additive-controlled selective C-H activation/annulation of N-arylamidines and sulfoxonium ylides. 2019 , 55, 4039-4042		63
308	Manganese(ii)-catalysed dehydrogenative annulation involving C-C bond formation: highly regioselective synthesis of quinolines. 2019 , 48, 4474-4478		9
307	Cp*Co(iii)-catalyzed annulation of azines by C-H/N-N bond activation for the synthesis of isoquinolines. 2019 , 17, 3489-3496		24
306	Alkylation, Annulation, and Alkenylation of Organic Molecules with Maleimides by Transition-Metal-Catalyzed C-H Bond Activation. 2019 , 8, 1949-1969		50
305	Micellar Catalysis for Ruthenium(II)-Catalyzed C-H Arylation: Weak-Coordination-Enabled C-H Activation in H ₂ O. 2019 , 58, 7490-7494		33
304	Asymmetric β -Lactam Synthesis with a Monomeric Streptavidin Artificial Metalloenzyme. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4815-4819	16.4	71
303	Rhodium(III)-Catalyzed ortho-Alkenylation of Anilides with Maleimides. <i>ChemistrySelect</i> , 2019 , 4, 2976-2981		10
302	Theoretical Investigation of Regioselectivity in the Rh-Catalyzed Coupling Reaction of 3-Phenylthiophene with Styrene. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 2998-3004	3.2	2
301	C-H functionalization reactions under flow conditions. <i>Chemical Society Reviews</i> , 2019 , 48, 2767-2782	58.5	67
300	Solvent-Controlled Rhodium-Catalyzed C6-Selective C-H Alkenylation and Alkylation of 2-Pyridones with Acrylates. 2019 , 8, 1097-1101		18
299	Insight into 6 π Electrocyclic Reactions of 1,8-Dioxatetraene. 2019 , 131, 2686-2690		
298	Chemodivergent Oxidative Annulation of Benzamides and Enynes via 1,4-Rhodium Migration. <i>Organic Letters</i> , 2019 , 21, 1789-1793	6.2	20
297	Rhodium(III)-Catalyzed Non-annulative Carbon-Hydrogen Bond Functionalization. 2019 , 521-592		6
296	Ru(ii)-Catalysed synthesis of (1H)-isothiochromenes by oxidative coupling of benzylthioethers with internal alkynes. 2019 , 17, 2542-2547		2

295	Rhodium-Catalyzed Copper-Assisted Intermolecular Domino C-H Annulation of 1,3-Diynes with Picolinamides: Access to Pentacyclic Extended Systems. <i>Chemistry - A European Journal</i> , 2019 , 25, 5733-5742	4.8	14
294	Rhodium(III)-catalyzed diverse [4 + 1] annulation of arenes with 1,3-enynes sp/sp C-H activation and 1,4-rhodium migration. 2019 , 10, 3987-3993		21
293	Synthesis of Seven-Membered Benzolactones by Nickel-Catalyzed C-H Coupling of Benzamides with Oxetanes. <i>Chemistry - A European Journal</i> , 2019 , 25, 9400-9404	4.8	12
292	Rhodium(III)-Catalyzed Redox-Neutral 1,1-Cyclization of N-Methoxy Benzamides with Maleimides via C-H/N-H/N-O Activation: Detailed Mechanistic Investigation. <i>Journal of Organic Chemistry</i> , 2019 , 84, 4058-4071	4.2	40
291	Rhodium(III)-catalyzed β -Arylation and β -Alkenylation of β -Trifluoromethylacrylic Acid. 2019 , 48, 461-464		6
290	Aerobic Oxidative Alkenylation of Weak O-Coordinating Arylacetamides with Alkenes via a Rh(III)-Catalyzed C-H Activation. <i>Organic Letters</i> , 2019 , 21, 1320-1324	6.2	50
289	Synthesis and Reactivity of Heptamethylcyclohexadienyl Rhodium(III) Complexes. 2019 , 38, 4607-4614		2
288	Palladium-catalyzed enol/enolate directed oxidative annulation: functionalized naphthofuroquinone synthesis and bioactivity evaluation. 2019 , 55, 14729-14732		2
287	Synthesis of fused imidazo[1,2-a]pyridines derivatives through cascade C(sp)-H functionalizations. 2019 , 17, 9140-9150		10
286	Tetraphenylcyclopentadienyl rhodium complexes in stoichiometric and catalytic CH functionalization. 2019 , 879, 151-157		4
285	MnCl-Catalyzed C-H Alkylation on Azine Heterocycles. <i>Organic Letters</i> , 2019 , 21, 571-574	6.2	27
284	Cp*Rh(III)-Catalyzed Allyl-Aryl Coupling of Olefins and Arylboron Reagents Enabled by C(sp ³) β Activation. 2019 , 9, 1253-1257		37
283	Rhodium(III)-Catalyzed Direct C7 Allylation of Indolines via Sequential C β and C α Activation. 2019 , 361, 1253-1258		27
282	Thioether-Directed Peri-Selective C-H Arylation under Rhodium Catalysis: Synthesis of Arene-Fused Thioxanthenes. <i>Organic Letters</i> , 2019 , 21, 233-236	6.2	34
281	Enantioselective C(sp ³) β Amidation of Thioamides Catalyzed by a Cobalt(III)/Chiral Carboxylic Acid Hybrid System. 2019 , 131, 1165-1169		49
280	Enantioselective C(sp)-H Amidation of Thioamides Catalyzed by a Cobalt /Chiral Carboxylic Acid Hybrid System. 2019 , 58, 1153-1157		132
279	3d Transition Metals for C-H Activation. <i>Chemical Reviews</i> , 2019 , 119, 2192-2452	68.1	1073
278	Rhodium-Catalyzed Cascade Annulation Reaction via C β Activation of Azobenzenes with Terminal Alkynes: A Synthesis of Indolo[1,2-b]cinnolines. 2019 , 361, 451-455		7

277	Synthesis of Heteroaryl Triazenes via Rh(III)-catalyzed Annulation Reactions with Alkynyl Triazenes. 2019 , 361, 1383-1388		27
276	Ligand-Dependent Multi-State Reactivity in Cobalt(III)-Catalyzed C-H Activations. 2019 , 9, 1962-1972		18
275	Sterically and Electronically Tuned Cp Ligands for Rhodium(III)-Catalyzed Carbon-Hydrogen Bond Functionalization. 2019 , 593-628		4
274	Chiral Cp Ligands for Rhodium(III)-Catalyzed Asymmetric Carbon-Hydrogen Bond Functionalization. 2019 , 629-644		3
273	Electro-Oxidative C-C Alkenylation by Rhodium(III) Catalysis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2731-2738	16.4	83
272	Rhodium(III)-Catalyzed Annulative Carbon-Hydrogen Bond Functionalization. 2019 , 487-519		3
271	Enantioselective Formal C(sp ³)-H Bond Activation in the Synthesis of Bioactive Spiropyrazolone Derivatives. 2019 , 131, 313-317		27
270	Enantioselective Formal C(sp ³)-H Bond Activation in the Synthesis of Bioactive Spiropyrazolone Derivatives. 2019 , 58, 307-311		74
269	Mechanism study on rhodium(III)-catalyzed CH functionalization of o-vinylphenols with alkynes: Regioselectivity and chemoselectivity. 2019 , 1147, 40-50		0
268	Enantioselective Aluminum-Free Alkene Hydroarylations through C-H Activation by a Chiral Nickel/JoSPOphos Manifold. 2019 , 131, 1763-1767		21
267	Iridium(III)-Catalyzed Tandem Annulation Synthesis of Pyrazolo[1,2-b]cinnolines from Pyrazolones and Sulfoxonium Ylides. <i>Journal of Organic Chemistry</i> , 2019 , 84, 409-416	4.2	40
266	Late-Stage Peptide Diversification through Cobalt-Catalyzed C-H Activation: Sequential Multicatalysis for Stapled Peptides. 2019 , 58, 1684-1688		78
265	Late-Stage Peptide Diversification through Cobalt-Catalyzed C-H Activation: Sequential Multicatalysis for Stapled Peptides. 2019 , 131, 1698-1702		23
264	Intramolecular cascade annulation triggered by CH activation via rhodium hydride intermediate. <i>Molecular Catalysis</i> , 2019 , 463, 30-36	3.3	11
263	Enantioselective Aluminum-Free Alkene Hydroarylations through C-H Activation by a Chiral Nickel/JoSPOphos Manifold. 2019 , 58, 1749-1753		48
262	Rhodium(III)-Catalyzed C-H Alkylation/Nucleophilic Addition Domino Reaction. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 660-664	3.2	7
261	Rh(III)-Catalyzed [3 + 3] Annulation Reaction of Cyclopropanones and Sulfoxonium Ylides toward Trisubstituted 2-Pyrones. <i>Journal of Organic Chemistry</i> , 2020 , 85, 360-366	4.2	23
260	Preparation and luminescence properties of isoquinoline-nucleated polycyclic aromatics. 2020 , 172, 107803		2

259	Cp*CoIII/Chiral Carboxylic Acid-Catalyzed Enantioselective 1,4-Addition Reactions of Indoles to Maleimides. 2020 , 9, 368-371		32
258	Cascade One-Pot Synthesis of Orange-Red-Fluorescent Polycyclic Cinnolino[2,3-f]phenanthridin-9-ium Salts by Palladium(II)-Catalyzed C-H Bond Activation of 2-Azobiaryl Compounds and Alkenes. 2020 , 59, 689-694		15
257	Ruthenium(II)-Catalyzed Regioselective Ortho C-H Allenylation of Electron-Rich Aniline and Phenol Derivatives. <i>Journal of Organic Chemistry</i> , 2020 , 85, 2048-2058	4.2	6
256	Direct oxidative coupling of N-acyl pyrroles with alkenes by ruthenium(ii)-catalyzed regioselective C2-alkenylation. 2020 , 18, 500-513		8
255	Cobalt-Catalysed C-H Functionalisation. 2020 , 89-161		2
254	Rhodium-Catalyzed Annulative Coupling of Isothiazoles with Alkynes through N-S Bond Cleavage. <i>Organic Letters</i> , 2020 , 22, 661-665	6.2	6
253	Rhodium(III)-Catalyzed Decarboxylative Aminomethylation of Glycine Derivatives with Indoles via C-H Activation. <i>Journal of Organic Chemistry</i> , 2020 , 85, 2838-2845	4.2	5
252	Cascade One-Pot Synthesis of Orange-Red-Fluorescent Polycyclic Cinnolino[2,3-f]phenanthridin-9-ium Salts by Palladium(II)-Catalyzed C-H Bond Activation of 2-Azobiaryl Compounds and Alkenes. 2020 , 132, 699-704		2
251	Late-Stage Diversification by Selectivity Switch in meta-C-H Activation: Evidence for Singlet Stabilization. 2020 , 10, 435-440		41
250	Ruthenium-catalyzed cascade C-H activation/annulation of -alkoxybenzamides: reaction development and mechanistic insight. 2020 , 11, 11562-11569		15
249	Rhodium(III)/Chiral Carboxylic Acid Catalyzed Enantioselective C(sp)-H Alkylation of 8-Ethylquinolines with α,β -Unsaturated Carbonyl Compounds. <i>Organic Letters</i> , 2020 , 22, 8256-8260	6.2	23
248	Rh(iii)-catalyzed tandem annulative redox-neutral arylation/amidation of aromatic tethered alkenes. 2020 , 11, 12124-12129		3
247	β -Carboline synthesis enabled by Rh(iii)-catalysed regioselective C-H annulation. 2020 , 56, 13389-13392		8
246	Applications of Chiral Cyclopentadienyl (Cpx) Metal Complexes in Asymmetric Catalysis. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 6512-6524	3.2	30
245	Copper-Mediated Regioselective C-H Sulfenylation and Selenation of Phenols with Phenanthroline Bidentate Auxiliary. <i>Organic Letters</i> , 2020 , 22, 5915-5919	6.2	12
244	Co(III)-Catalyzed Annulative Vinylene Transfer via C-H Activation: Three-Step Total Synthesis of 8-Oxopseudopalmitine and Oxopalmitine. <i>Organic Letters</i> , 2020 , 22, 5925-5930	6.2	28
243	Peptide Late-Stage Diversifications by Rhodium-Catalyzed Tryptophan C7 Amidation. 2020 , 6, 3428-3439		26
242	Accessing Monosubstituted Cyclopentadienyl Rhodium(I) and Iridium(I) Complexes by a Simultaneous Nucleophilic Addition-Metalation Approach to Fulvenes. 2020 , 39, 4444-4456		2

241	Synthesis of 1,3-Benzodiazepines through [5 + 2] Annulation of -Aryl Amidines with Propargylic Esters. <i>Organic Letters</i> , 2020 , 22, 9506-9512	6.2	11
240	Switchable cascade C-H annulation to polycyclic pyryliums and pyridiniums: discovering mitochondria-targeting fluorescent probes. 2020 , 56, 15080-15083		8
239	Recent Achievements in the Rhodium-Catalyzed Concise Construction of Medium N-Heterocycles, Azepines and Azocines. 2020 , 362, 5576-5600		15
238	Rh(III)-Catalyzed acylation of heteroarenes with cyclobutenones via C-H/C-C bond activation. 2020 , 56, 15631-15634		7
237	Rhodium(III)-Catalyzed C-H Alkenylation/Directing Group Migration for the Regio- and Stereoselective Synthesis of Tetrasubstituted Alkenes. <i>Organic Letters</i> , 2020 , 22, 9163-9168	6.2	18
236	Recyclable Ruthenium Catalyst for Distal meta-C-H Activation. <i>Chemistry - A European Journal</i> , 2020 , 26, 15290-15297	4.8	13
235	Directing Group Assisted Unsymmetrical Multiple Functionalization of Arene C-H Bonds. 2020 , 20, 1017-1042		16
234	New Strategy for Catalytic Oxidative C-H Functionalization: Efficient Combination of Transition-metal Catalyst and Electrochemical Oxidation. 2020 , 49, 1256-1269		12
233	Cp*M-Catalyzed Direct Annulation with Terminal Alkynes and Their Surrogates for the Construction of Multi-Ring Systems. 2020 , 10, 9747-9757		35
232	Rhodium(III)-Catalyzed Annulation of 2-Arylimidazo[1,2-a]pyridines with Maleimides: Synthesis of 1H-Benzo[e]pyrido[1,2-f:1,2-g]imidazo[4,5-g]isoindole-1,3(2H)-Diones and their Photophysical Studies. 2020 , 362, 5751-5764		12
231	Diazanorbornene: A Valuable Synthon towards Carbocycles and Heterocycles. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 6588-6613	3.2	4
230	Rhodium(III)-Catalyzed Asymmetric [4+1] and [5+1] Annulation of Arenes and 1,3-Enynes: A Distinct Mechanism of Allyl Formation and Allyl Functionalization. 2020 , 132, 22895-22902		3
229	Rhodium(III)-Catalyzed Asymmetric [4+1] and [5+1] Annulation of Arenes and 1,3-Enynes: A Distinct Mechanism of Allyl Formation and Allyl Functionalization. 2020 , 59, 22706-22713		21
228	Synthesis of CF ₃ -Containing Isoindolinone Derivatives through Rhodium-catalyzed Oxidative Coupling of Benzamides with 2-Trifluoromethylacrylate. 2020 , 49, 1481-1483		1
227	Cp*Co(III)-Catalyzed C-H Hydroarylation of Alkynes and Alkenes and Beyond: A Versatile Synthetic Tool. 2020 , 5, 24974-24993		11
226	Palladium-Catalyzed Oxidative Annulation of Sulfoximines and Arynes by C-H Functionalization as an Approach to Dibenzothiazines. <i>Organic Letters</i> , 2020 , 22, 7470-7474	6.2	10
225	Reactivity-Controlling Factors in Carboxylate-Assisted C-H Activation under 4d and 3d Transition Metal Catalysis. 2020 , 10, 10551-10558		27
224	Recent Developments in Transition-Metal Catalyzed Direct C-H Alkenylation, Alkylation, and Alkynylation of Azoles. 2020 , 25,		10

223	Pd-Catalyzed Regioselective C-H Alkenylation and Alkynylation of Allylic Alcohols with the Assistance of a Bidentate Phenanthroline Auxiliary. <i>Organic Letters</i> , 2020 , 22, 9059-9064	6.2	9
222	Iridium(III) Catalysts with an Amide-Pendant Cyclopentadienyl Ligand: Double Aromatic Homologation Reactions of Benzamides by Fourfold C-H Activation. 2020 , 132, 10560-10564		1
221	Regioselective B(3,4)-H arylation of -carboranes by weak amide coordination at room temperature. 2020 , 11, 10764-10769		32
220	Rh-Catalyzed C-H Activation of Aryl Hydroxamates for the Synthesis of Isoindolinones. <i>Chemistry - A European Journal</i> , 2020 , 26, 10729-10734	4.8	9
219	Remarkable Ligand Effect on Rh-Catalyzed C-H-Active [3 + 2] Annulation of Ketimines and Alkynes. <i>Organic Letters</i> , 2020 , 22, 4903-4907	6.2	4
218	Double annulation of ortho- and peri-C-H bonds of fused (hetero)arenes to unusual oxepino-pyridines. 2020 , 11, 10770-10777		15
217	Rhodium(III)-Catalyzed C-H Olefination of Aromatic/Vinyl Acids with Unactivated Olefins at Room Temperature. <i>Organic Letters</i> , 2020 , 22, 5057-5062	6.2	17
216	Rhodium-Catalyzed Spiro Indenyl Benzoxazine Synthesis via C-H Activation/Annulation of 3-Aryl-2H-Benzo[b][1,4]oxazines and Alkynes. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 4542-4546	3.2	2
215	Rh(iii)-catalyzed spiroannulation of 3-arylquinoxalin-2(1)-ones with alkynes: practical access to spiroquinoxalinones.. 2020 , 10, 22216-22221		2
214	Ru(II)-Catalyzed Oxidative Olefination of Benzamides: Switchable Aza-Michael and Aza-Wacker Reaction for Synthesis of Isoindolinones. <i>Organic Letters</i> , 2020 , 22, 4620-4626	6.2	10
213	The oxidative coupling between benzaldehyde derivatives and phenylacetylene catalyzed by rhodium complexes via C-H bond activation. 2020 , 26, 20-25		2
212	Enantioselective Twofold C-H Annulation of Formamides and Alkynes without Built-in Chelating Groups. 2020 , 132, 9514-9518		3
211	Enantioselective Twofold C-H Annulation of Formamides and Alkynes without Built-in Chelating Groups. 2020 , 59, 9428-9432		26
210	Ligand-Enabled Ni-Al Bimetallic Catalysis for Nonchelated Dual C-H Annulation of Arylformamides and Alkynes. <i>Organic Letters</i> , 2020 , 22, 2230-2234	6.2	11
209	Rh-Catalyzed C-H activation/intramolecular condensation for the construction of benzo[f]pyrazolo[1,5-a][1,3]diazepines. 2020 , 18, 2893-2901		10
208	Synthetic Methods of Isocoumarins and Phosphaisocoumarins through C-H Activation. 2020 , 41, 388-399		8
207	Iridium(III) Catalysts with an Amide-Pendant Cyclopentadienyl Ligand: Double Aromatic Homologation Reactions of Benzamides by Fourfold C-H Activation. 2020 , 59, 10474-10478		8
206	Rh(III)-Catalyzed Oxidative C-H Activation/Domino Annulation of Anilines with 1,3-Diynes: A Rapid Access to Blue-Emitting Tricyclic N,O-Heteroaromatics. <i>Organic Letters</i> , 2020 , 22, 5309-5313	6.2	8

205	Rhodium(III)-Catalyzed C _H Benzoylation of Indole's C3 Position with Aza-o-Quinone Methides. 2020 , 362, 3649-3654		5
204	Making Base-Assisted C _H Bond Activation by Cp*Co(III) Effective: A Noncovalent Interaction-Inclusive Theoretical Insight and Experimental Validation. 2020 , 39, 2609-2629		7
203	Concise Synthesis of Isocoumarins through Rh-Catalyzed Direct Vinylene Annulation: Scope and Mechanistic Insight. <i>Organic Letters</i> , 2020 , 22, 5706-5711	6.2	37
202	Rh(III)-Catalyzed C(sp)-H Acetoxylation of 8-Methylquinolines. <i>Organic Letters</i> , 2020 , 22, 5390-5395	6.2	10
201	The Mechanism of Rhodium-Catalyzed Allylic C-H Amination. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5842-5851	16.4	34
200	Access to [4,3,1]-Bridged Carbocycles via Rhodium(III)-Catalyzed C-H Activation of 2-Arylindoles and Annulation with Quinone Monoacetals. <i>Journal of Organic Chemistry</i> , 2020 , 85, 4543-4552	4.2	9
199	Rhodium-Catalyzed ortho-Olefination of Sterically Demanding Benzamides: Application to the Asymmetric Synthesis of Axially Chiral Benzamides. <i>Chemistry - A European Journal</i> , 2020 , 26, 4969-4973	4.8	9
198	Rh(III)-Catalyzed Denitrogenative [4+2] Annulation of Benzamides and 3-Diazoindolin-2-imines: Expedient Access to Indolo[2,3-c] isoquinolin-5-ones. 2020 , 15, 1052-1056		7
197	Synthesis of Benzo[b]thiophenes through Rhodium-Catalyzed Three-Component Reaction using Elemental Sulfur. 2020 , 362, 1669-1673		19
196	Ruthenium-Catalyzed Double C(sp ²) _H Functionalizations of Fumaramides with Alkynes for the Divergent Synthesis of Pyridones and Naphthyridinediones. 2020 , 12, 2538-2547		3
195	Rhodium(III)-Catalyzed Asymmetric Access to Spirocycles through C _H Activation and Axial-to-Central Chirality Transfer. 2020 , 132, 7255-7259		16
194	Synthesis and Application of Heterocyclic Germatranes via Rhodium-Catalyzed Directed C _H Activation/Annulation with Alkynyl Germatranes and Palladium-Catalyzed Cross-Coupling. 2020 , 362, 1706-1711		9
193	Cp*Rh -Catalyzed Sterically Controlled C(sp ³)-H Selective Mono- and Diarylation of 8-Methylquinolines with Organoborons. <i>Chemistry - A European Journal</i> , 2020 , 26, 4396-4402	4.8	10
192	Rhoda- and iridacarborane halide complexes: Synthesis, structure and application in homogeneous catalysis. 2020 , 910, 121135		13
191	Diverse Approaches for Enantioselective C-H Functionalization Reactions Using Group 9 Cp M Catalysts. <i>Chemistry - A European Journal</i> , 2020 , 26, 7346-7357	4.8	91
190	Photoinduced Heterogeneous C-H Arylation by a Reusable Hybrid Copper Catalyst. <i>Chemistry - A European Journal</i> , 2020 , 26, 3509-3514	4.8	11
189	β-Arylation of Silyl Enol Ethers via Rhodium(III)-Catalyzed C _H Functionalization. 2020 , 10, 3103-3109		12
188	Oxidative C-H/C-H Annulation of Imidazopyridines and Indazoles through Rhodium-Catalyzed Vinylene Transfer. <i>Organic Letters</i> , 2020 , 22, 3547-3550	6.2	38

187	Palladium(II)-Catalyzed Oxidative Annulation of 2-Hydroxynaphthalene-1,4-diones and Internal Alkynes via C-H Functionalization. <i>Journal of Organic Chemistry</i> , 2020 , 85, 6761-6769	4.2	3
186	Directing-Group-Controlled Ring-Opening Addition and Hydroarylation of Oxa/azabenzonorbornadienes with Arenes via C-H Activation. <i>Organic Letters</i> , 2020 , 22, 3339-3344	6.2	9
185	Identification of key functionalization species in the Cp*Ir(III)-catalyzed- halogenation of benzamides. 2020 , 49, 16166-16174		2
184	Transition Metal-Catalyzed Intermolecular Cascade C-H Activation/Annulation Processes for the Synthesis of Polycycles. <i>Chemistry - A European Journal</i> , 2021 , 27, 121-144	4.8	25
183	Vinyl and Alkynyl Triazenes: Synthesis, Reactivity, and Applications. 2021 , 60, 6879-6889		10
182	Catalytic C-H Functionalization of Unreactive Furan Cores in Bio-Derived Platform Chemicals. 2021 , 14, 558-568		5
181	Rhodium-catalyzed C \equiv H olefination of aromatic acids with unactivated olefins to achieve branched vinylated or linear allylated product: A theoretical investigation. <i>Molecular Catalysis</i> , 2021 , 499, 111295	3.3	3
180	Synthesis of Isothiazoles and Isoselenazoles through Rhodium-Catalyzed Oxidative Annulation with Elemental Sulfur and Selenium. <i>Organic Letters</i> , 2021 , 23, 49-53	6.2	9
179	Palladium-catalyzed Aerobic Benzannulation of Pyrazoles with Alkynes. 2021 , 42, 489-491		2
178	Vinyl and Alkynyl Triazenes: Synthesis, Reactivity, and Applications. 2021 , 133, 6955-6965		0
177	Cobalt(iii)-catalyzed redox-neutral [4+2]-annulation of N-chlorobenzamides/acrylamides with alkylidenecyclopropanes at room temperature. 2021 , 57, 3692-3695		9
176	Theoretical Study of Rh-Catalyzed C \equiv C Bond Formation Through C \equiv H Activation. 2021 , 27-95		
175	Pd(II)-Catalyzed alkyne annulation through allylic isomerization: synthesis of spiro-cyclopentadiene pyrazolones. 2021 , 57, 6027-6030		3
174	Harnessing sulfur and nitrogen in the cobalt(iii)-catalyzed unsymmetrical double annulation of thioamides: probing the origin of chemo- and regio-selectivity. 2021 , 12, 6393-6405		5
173	Facile synthesis of axially chiral styrene-type carboxylic acids palladium-catalyzed asymmetric C-H activation. 2021 , 12, 3726-3732		21
172	Palladium-catalyzed remote -C-H activation of arenes assisted by a recyclable pyridine-based template. 2021 , 12, 4126-4131		4
171	Rhodium(III)-catalyzed annulation of 3-arylquinazolinones with alkynes via double C \equiv H activation: an efficient route for quinolino[2,1-b]quinazolinones. <i>Organic Chemistry Frontiers</i> ,	5.2	0
170	Sequential C-H activation enabled expedient delivery of polyfunctional arenes. 2021 , 57, 8075-8078		1

169	Rh(III)-catalyzed regioselective C-H activation dialkenylation/annulation cascade for rapid access to 6-isoindolo[2,1-]indole.. 2021 , 11, 25194-25198		0
168	Additive-Controlled Divergent Synthesis of Tetrasubstituted 1,3-Enynes and Alkynylated 3-Pyrrolo[1,2-]indol-3-ones via Rhodium Catalysis. <i>Organic Letters</i> , 2021 , 23, 727-733	6.2	18
167	Rhodium(III)-Catalyzed Dehydrogenative Annulation and Spirocyclization of 2-Arylindoles and 2-(1-Pyrazol-1-yl)-1-indoles with Maleimides: A Facile Access to Isogranulatimide Alkaloid Analogues. <i>Journal of Organic Chemistry</i> , 2021 , 86, 2328-2338	4.2	11
166	Recent advances in directed sp C-H functionalization towards the synthesis of N-heterocycles and O-heterocycles. 2021 , 57, 8699-8725		4
165	N-Tosylhydrazone as an oxidizing directing group for the redox-neutral access to isoquinolines via Cp*Co(III)-Catalyzed C β /N β activation. 2021 , 98, 100001		0
164	Synthesis of 7-Phenylindole Derivatives through Rhodium-Catalyzed Dehydrogenative Coupling of 2-(Acetylamino)-1,1-biphenyls with Alkynes. 2021 , 10, 868-871		0
163	Co(III), Rh(III) & Ir(III)-Catalyzed Direct C-H Alkylation/Alkenylation/Arylation with Carbene Precursors. 2021 , 16, 443-459		23
162	Rhodium-Catalyzed Twofold Unsymmetrical C-H Alkenylation-Annulation/Thiolation Reaction To Access Thiobenzofurans. <i>Organic Letters</i> , 2021 , 23, 1194-1198	6.2	4
161	Transition-Metal-Catalyzed Addition/Cyclization Reactions of the C-N Multiple Bonds Containing Species. 2021 ,		2
160	Rhodium-Catalyzed Redox-Neutral Olefination of Aryldiazenes with Acrylate Esters via C-H Activation and Transfer Hydrogenation. <i>Organic Letters</i> , 2021 , 23, 1687-1691	6.2	4
159	Divergent rhodium-catalyzed electrochemical vinylic C-H annulation of acrylamides with alkynes. 2021 , 12, 930		15
158	Rhodium-Catalyzed C4-Selective C-H Alkenylation of 2-Pyridones by Traceless Directing Group Strategy. <i>Organic Letters</i> , 2021 , 23, 1388-1393	6.2	7
157	Synthesis of Substituted Indene Derivatives via Silver-catalyzed Annulative 1:1 Coupling of Secondary Benzyl Alcohols with Alkynes. 2021 , 50, 456-458		0
156	Consequent Construction of C α and C β Bonds via Palladium-Catalyzed Dual C β Activation: Synthesis of Benzo[c]cinnoline Derivatives. 2021 , 40, 880-889		4
155	Development of Pseudo-C2-symmetric Chiral Binaphthyl Monocarboxylic Acids for Enantioselective C(sp ³) β Functionalization Reactions under Rh(III) Catalysis. 2021 , 11, 4271-4277		15
154	Rh(III)-Catalyzed Chemodivergent Coupling of -Phenoxyacetamides and Alkylidenecyclopropanes via C-H Activation. <i>Organic Letters</i> , 2021 , 23, 2927-2932	6.2	5
153	Rhodium(III) and Ruthenium(II) Complexes with a Pentadentate Tetrapodal Phosphine Ligand. 2021 , 647, 822-831		1
152	Synthesis of Indenones through Rhodium(III)-catalyzed [3+2] Annulation Utilizing a Recyclable Carbazolyl Leaving Group. 2021 , 50, 585-588		4

151	Cobalt-catalyzed C-H activation of N-carbamoyl indoles or benzamides with maleimides: Synthesis of imidazo[1,5-a]indole- or isoindolone-incorporated spirosuccinimides. <i>Tetrahedron Letters</i> , 2021 , 70, 152872	2	5
150	Aerobic Oxidative C-H Olefination of Arylamides with Unactivated Olefins via a Rh(III)-Catalyzed C-H Activation. <i>Organic Letters</i> , 2021 , 23, 2964-2970	6.2	7
149	Rh(III)-Catalyzed [3+2] Annulation and C≡C Alkenylation of Indoles with 1,3-Diynes by C≡C Activation. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 2223-2229	3.2	10
148	Traceless Directing Groups in Sustainable Metal-Catalyzed C≡C Activation. 2021 , 11, 554		8
147	Rh(III)-catalyzed selective C7-H functionalization of indolines with 1,3-enynes enables access to six-membered 1,7-fused indolines. <i>Tetrahedron Letters</i> , 2021 , 72, 153065	2	0
146	Ni-Catalyzed Dual C-H Annulation of Benzimidazoles with Alkynes for Synthesis of π -Extended Heteroarenes. <i>Organic Letters</i> , 2021 , 23, 4034-4039	6.2	9
145	Synthetic and Computational Studies on Rh-Catalyzed Redox-Neutral Cascade of Carbenoid Functionalization and Dephosphonylative Annulation. <i>Journal of Organic Chemistry</i> , 2021 , 86, 7069-7077 ^{4.2}		3
144	Rhodium-Catalyzed Regio-, Diastereo-, and Enantioselective Three-Component Carboamination of Dienes via C≡C Activation. 2021 , 11, 6692-6697		11
143	Rhodium(III)-Catalyzed C-H Bond Functionalization of 2-Pyridones with Alkynes: Switchable Alkenylation, Alkenylation/Directing Group Migration and Rollover Annulation. <i>Chemistry - A European Journal</i> , 2021 , 27, 8811-8821	4.8	5
142	Chiral Carboxylic Acid Assisted Enantioselective C≡C Activation with Achiral CpxM(III) (M = Co, Rh, Ir) Catalysts. 2021 , 11, 6455-6466		31
141	Untangling Thermal and Nonthermal Effects in Plasmonic Photocatalysis. 2021 , 191-230		
140	Amidation and Intramolecular Aza-Michael Reaction: One-Pot Synthetic Strategy of Isoindolinones. <i>ChemistrySelect</i> , 2021 , 6, 5603-5609	1.8	
139	Ruthenium-Catalyzed Regioselective C(sp)-H Activation/Annulation of γ -(7-Azaindole)amides with 1,3-Diynes Using γ -Amino-7-azaindole as the γ -Bidentate Directing Group. <i>Journal of Organic Chemistry</i> , 2021 , 86, 9428-9443	4.2	2
138	C≡C activation. 2021 , 1,		52
137	Easy Access to Versatile Catalytic Systems for C-H Activation and Reductive Amination Based on Tetrahydrofluorenyl Rhodium(III) Complexes. <i>Chemistry - A European Journal</i> , 2021 , 27, 10903-10912	4.8	7
136	Ruthenium(II)-Catalyzed Redox-Neutral C-H Alkylation of Arylamides with Unactivated Olefins. <i>Organic Letters</i> , 2021 , 23, 4849-4854	6.2	5
135	One-Pot Two-Step Double Annulation of N-Methoxybenzamides with Alkynes and Alkenes: Regioselective Construction of Isoindolo[2,1-b]isoquinolin-5(7H)-ones. 2021 , 363, 3796-3802		5
134	Reusable Manganese Catalyst for Site-Selective Pyridine C-H Arylations and Alkylations. <i>Chemistry - A European Journal</i> , 2021 , 27, 12737-12741	4.8	6

133	Redox-Neutral Rhodium(III)-Catalyzed Chemospecific and Regiospecific [4+1] Annulation between Indoles and Alkenes for the Synthesis of Functionalized Imidazo[1,5-]indoles. <i>Journal of Organic Chemistry</i> , 2021 , 86, 10591-10607	4.2	6
132	Chemical Oxidative C≡C Bond Formation. 2021 , 1-28		
131	Rh(III)-Catalyzed Divergent Synthesis of Alkynylated Imidazo[1,5-]indoles and β,β -Difluoromethylene Tetrasubstituted Alkenes. <i>Organic Letters</i> , 2021 , 23, 5766-5771	6.2	9
130	Chemo- and Regioselective Synthesis of Functionalized 1H-imidazo[1,5-a]indol-3(2H)-ones via a Redox-Neutral Rhodium(III)-Catalyzed [4+1] Annulation between Indoles and Alkynes. 2021 , 363, 4380-4389		4
129	Engineering Artificial Metalloenzymes. 177-205		1
128	Ruthenium Catalyzed Intramolecular C-X (X=C, N, O, S) Bond Formation via C-H Functionalization: An Overview. 2021 , 16, 2392-2412		3
127	Copper-mediated Regioselective C≡N Cyanation of Phenols with Assistance of Bipyridine-type Bidentate Auxiliary.		
126	Divergent Construction of Diverse Scaffolds through Catalyst-Controlled C-H Activation Cascades of Quinazolinones and Cyclopropenones. <i>Chemistry - A European Journal</i> , 2021 , 27, 13346-13351	4.8	2
125	Half-sandwich complexes of group 9 metals with N,N'-ligands for CF ₃ -carbenoid alkylation of N-(pyrimidin-2-yl)indole. 2021 , 946-947, 121899		1
124	Rhodium(III)-Catalyzed Sequential C-H Activation and Cyclization from N-Methoxyarylamides and 3-Diazooxindoles for the Synthesis of Isochromenoindolones. 2021 , 16, 3179-3187		2
123	Rhodium-Catalyzed Spirocyclization of Maleimide with N-Aryl-2,3-dihydrophthalazine-1,4-dione to Access Pentacyclic Spiro-Succinimides. 2021 , 10, 2580		2
122	Facile Synthesis of Alkylidene Phthalides by Rhodium-Catalyzed Domino C-H Acylation/Annulation of Benzamides with Aliphatic Carboxylic Acids. <i>Chemistry - A European Journal</i> , 2021 , 27, 15628-15633	4.8	0
121	Manganaelectro-Catalyzed Azine C≡N Arylations and C≡N Alkylations by Assistance of Weakly Coordinating Amides. 2021 , 11, 11639-11649		5
120	Sulfur and Nitrogen Modulated One-Pot Double Annulation of Arenes. <i>Journal of Organic Chemistry</i> , 2021 , 86, 14942-14955	4.2	1
119	Temperature-Controlled Divergent Synthesis of Tetrasubstituted Alkenes and Pyrrolo[1,2-a]indole Derivatives via Iridium Catalysis.		1
118	Synthesis of Conjugated Polymers via Transition Metal Catalysed C-H Bond Activation. 2021 , 16, 2896-2919		0
117	Regioselective Functionalization of Quinolines through C-H Activation: A Comprehensive Review. 2021 , 26,		4
116	Ni/NHC catalysis in C≡N functionalization using air-tolerant nickelocene and sodium formate for in situ catalyst generation. <i>Organic Chemistry Frontiers</i> ,	5.2	5

115	Dual C-H activation: Rh(III)-catalyzed cascade extended annulation of 2-arylindole with benzoquinone. 2021 , 11, 13030-13033		5
114	Transition-metal-catalyzed -selective C-H functionalization reactions of free phenols. 2021 , 19, 5028-5047		5
113	Rhodium-catalysed direct formylmethylation using vinylene carbonate and sequential dehydrogenative esterification. 2021 , 57, 8280-8283		9
112	Recent advances in Rh(III)/Ir(III)-catalyzed C-H functionalization/annulation carbene migratory insertion. 2021 , 19, 1438-1458		30
111	Mangana(III/IV)electro-catalyzed C(sp)-H azidation. 2020 , 12, 2890-2897		24
110	Ruthenium(II)-Catalyzed C-C/C-N Coupling of 2-Arylquinazolinones with Vinylene Carbonate: Access to Fused Quinazolinones. <i>Organic Letters</i> , 2021 , 23, 995-999	6.2	17
109	Organic synthesis with the most abundant transition metal-iron: from rust to multitasking catalysts. <i>Chemical Society Reviews</i> , 2021 , 50, 243-472	58.5	58
108	Rhodium(III)-Catalyzed Asymmetric Access to Spirocycles through C-H Activation and Axial-to-Central Chirality Transfer. 2020 , 59, 7188-7192		48
107	Effect of Cp-Ligand Methylation on Rhodium(III)-Catalyzed Annulations of Aromatic Carboxylic Acids with Alkynes: Synthesis of Isocoumarins and PAHs for Organic Light-Emitting Devices. 2020 , 85, 334-345		11
106	Rhodium(III)-catalyzed chelation-assisted C-H imidation of arenes via umpolung of the imidating reagent. 2020 , 41, 1723-1733		4
105	Rh(III)-Catalyzed Domino [4 + 2] Annulation/Aza-Michael Addition of -(Pivaloyloxy)benzamides with 1,5-Enynes via C-H Activation: Synthesis of Functionalized Aromathecins. <i>Journal of Organic Chemistry</i> , 2020 , 85, 7905-7915	4.2	7
104	Copper-catalyzed Site-selective Direct Arylation of Triptycene. 2020 , 49, 689-692		1
103	Asymmetric Hydroarylation of Unsaturated Bond via C-H Functionalization by Cationic Iridium/Bisphosphoramidite Catalyst. 2018 , 76, 604-614		1
102	Electrochemically enabled rhodium-catalyzed [4 + 2] annulations of arenes with alkynes. 2021 , 23, 9515-9522		3
101	Cp*Ir(III)/chiral carboxylic acid-catalyzed enantioselective C-H alkylation of ferrocene carboxamides with diazomalones. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 6923-6930	5.2	4
100	Synthesis of Cinnolines via Rh(III)-Catalyzed Annulation of N-Aryl Heterocycles with Vinylene Carbonate. 2021 , 10, 3005		3
99	Acceleration Mechanisms of C-H Bond Functionalization Catalyzed by Electron-Deficient CpRh(III) Complexes. 13591-13602		2
98	Bis[dichloro(pentamethylcyclopentadienyl)rhodium(II)]. 64-67		

97	Preparation of (E)-N,N-Diethyl-2-styrylbenzamide by Rh-Catalyzed C-H Activation. 2014 , 41-51		
96	Synthesis of Phenol and Naphthol Derivatives from Furfural. 2018 , 97, 580		1
95	Hybrid Catalysts for C-H Activation and Other X-H Insertion Reactions. 253-284		
94	Direct Functionalizations of Carbon-Hydrogen Bonds Catalyzed by Palladium/Bidentate Nitrogen-based Ligand Complexes. 2019 , 77, 776-790		
93	Transition-Metal-Catalyzed, Coordination-Assisted Functionalization of Nonactivated C(sp)-H Bonds. <i>Chemical Reviews</i> , 2021 ,	68.1	38
92	Transition metal catalysed direct construction of 2-pyridone scaffolds through C-H bond functionalizations. 2021 ,		1
91	Rhodium(iii)-catalyzed C-H annulation of 2-acetyl-1-arylhydrazines with sulfoxonium ylides: synthesis of 2-arylindoles.. 2020 , 10, 39708-39711		2
90	Redox-neutral rhodium(III)-catalyzed chemo- and regiospecific [4 + 1] annulation between benzamides and alkenes for the synthesis of functionalized isoindolinones. 2021 , 19, 9946-9952		0
89	Maleimides in Directing-Group-Controlled Transition-Metal-Catalyzed Selective C-H Alkylation. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 5862	3.2	8
88	A Strategy for Site- and Chemoselective C-H Alkenylation through Osmaelectrooxidative Catalysis.		0
87	A Strategy for Site- and Chemoselective C-H Alkenylation through Osmaelectrooxidative Catalysis. 2021 ,		3
86	Chemo-, Regio-, and Stereoselective Assembly of Polysubstituted Furan-2(5H)-ones Enabled by Rh(III)-Catalyzed Domino C-H Alkenylation/Directing Group Migration/Lactonization: A Combined Experimental and Computational Study. 13921-13934		7
85	Gem-Difluorocyclopropenes as Versatile α -Monofluorinated Three-sp ² Carbon Sources for Cp*Rh(III)-Catalyzed [4 + 3] Annulation: Experimental Development and Mechanistic Insight. 2021 , 11, 14694-14701		6
84	Recent advances in α -C(sp ³)-H bond activation of amides, aliphatic amines, sulfanilamides and amino acids. 2022 , 455, 214255		0
83	Cp*RhIII/Chiral Disulfonate/CuOAc Catalyst System for the Enantioselective Intramolecular Oxyamination of Alkenes. 2021 , 11, 15187-15193		3
82	Cationic β -extended heteroaromatics a catalytic C-H activation annulative alkyne-insertion sequence. 2021 ,		5
81	How the electron-deficient Cp ligand facilitates Rh-catalyzed annulations with alkynes. <i>Organic Chemistry Frontiers</i> ,	5.2	3
80	Hydroamination, Aminoboration, and Carboamination with Electrophilic Amination Reagents: Umpolung-Enabled Regio- and Stereoselective Synthesis of β -Containing Molecules from Alkenes and Alkynes.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	15

79	Ru(II)-Catalyzed C-H bond activation/annulation of π -iminopyridinium ylides with sulfoxonium ylides.. 2022,		1
78	Cp*Rh(III)/boron hybrid catalysis for directed C-H addition to π -substituted π , π -unsaturated carboxylic acids. 2021,		1
77	Cobalt-Catalyzed C-H Activation. 1-64		
76	Oxidative [4 + 2] annulation of 1-naphthols with alkynes accelerated by an electron-deficient rhodium(III) catalysts.. 2022,		1
75	Electrooxidative palladium- and enantioselective rhodium-catalyzed [3 + 2] spiroannulations.. 2022, 13, 2783-2788		10
74	CuI-Catalyzed Regioselective Synthesis of 3-Arylcoumarins with Arylamines under Mild Conditions. 2022, 42, 631		1
73	Insights into the Activation Mode of π -Carbonyl Sulfoxonium Ylides in Rhodium-Catalyzed C-H Activation: A Theoretical Study.. 2022, e202100254		1
72	Rhodium(III)-Catalyzed Regioselective C-H Annulation and Alkenylation of 2-Pyridones with Terminal Alkynes. 2022, 364, 1264-1270		4
71	Rhodaelektro-katalysierte peri -selektive direkte Alkenylierungen mit schwacher O -Koordinat ion ermöglicht durch die Wasserstoffbildungsreaktion (HER).		
70	Synthesis of Cyclometalated Gold(III) Complexes via Catalytic Rhodium to Gold(III) Transmetalation.. 2022,		2
69	Rhodaelectro-catalyzed peri-selective direct alkenylations with weak O-coordination enabled by hydrogen evolution reaction (HER).. 2022,		5
68	Catalytic Oxidative C-H Annulation of Arylthiol Derivatives with 1,3-Diynes toward 3,3'-Bibenzothiophenes.. <i>Organic Letters,</i> 2022,	6.2	1
67	Rhodium(III)-catalyzed Cleavage of C-C Bond and C-H Bond Cascaded by Michael Addition for the Conversion of π -Hydroxy Ketones to Phthalides and Isocoumarins.		
66	Cobalt(III)-Catalyzed Chemo- and Regioselective [4 + 2]-Annulation of Aromatic Sulfoxonium Ylides with 1,3-Diynes.. <i>Journal of Organic Chemistry,</i> 2022,	4.2	4
65	Rhodium(III)-Catalyzed Asymmetric 1,2-Carboamidation of Alkenes Enables Access to Chiral 2,3-Dihydro-3-benzofuranmethanamides.. <i>Organic Letters,</i> 2022,	6.2	0
64	Synthesis of Cyclometalated Gold(III) Complexes via Catalytic Rhodium to Gold(III) Transmetalation.		
63	Weak-Coordination in C-H Bond Functionalizations Catalyzed by 3d Metals. 2022, 12, 3452-3506		11
62	Iridium-catalyzed oxidative coupling and cyclization of NH isoquinolones with olefins leading to isoindolo[2,1-b]isoquinolin-5(7H)-one derivatives. <i>Tetrahedron Letters,</i> 2022, 153779	2	1

61	Theoretical study on the mechanism of NiAl bimetallic catalyzed dual C \equiv H cyclization of amides and alkynes. <i>Molecular Catalysis</i> , 2022 , 522, 112230	3.3	0
60	Direct Access to Bridged Polycyclic Skeletons by Merging Oxidative C-H Annulation and Cascade [4 + 2] Cycloaddition.. <i>Organic Letters</i> , 2021 ,	6.2	1
59	Ru(II)- or Rh(III)-Catalyzed Annulation of Aromatic/Vinyllic Acids with Alkylidenecyclopropanes C-H Activation.. <i>Journal of Organic Chemistry</i> , 2022 ,	4.2	2
58	Achiral Cp*Rh(III)/Chiral Lewis Base Cooperative Catalysis for Enantioselective Cyclization via C-H Activation.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	6
57	Mild Three-Step Consecutive C-H Activations.. <i>Organic Letters</i> , 2022 ,	6.2	0
56	Metal/metal dual catalysis in C \equiv H activation. <i>European Journal of Organic Chemistry</i> ,	3.2	1
55	Recyclable [RuCl ₂ (p-cymene)] ₂ /PEG-400/H ₂ O System for Efficient Annulation of N-Methoxybenzamides with Alkynes Under External Oxidant-Free Conditions. <i>Catalysis Letters</i> , 1	2.8	
54	Construction of Pyrrolocoumarin Cores through Double C-H Annulation Cascade. <i>European Journal of Organic Chemistry</i> ,	3.2	0
53	Rhodium(III)-Catalyzed Heteroannulations of 3-Sulfolene Derivatives via C(sp ²) \equiv H Activation. Access to Pyridine ortho-Quinodimethane Precursors. <i>European Journal of Organic Chemistry</i> ,	3.2	
52	Artificial Metalloproteins: At the Interface between Biology and Chemistry. <i>Jacs Au</i> ,		1
51	Application of a transient directing strategy in cyclization reactions via C \equiv H activation. <i>Organic Chemistry Frontiers</i> ,	5.2	1
50	Efficient Access to Multi-substituted 1-Aminoisoquinolines via Rh(III)-Catalyzed Oxidative Annulation of Aminopyridine Pivalamides with Internal Alkynes. <i>Tetrahedron Letters</i> , 2022 , 153970	2	
49	Recent Advances in the Synthesis of 5-Membered N -Heterocycles via Rhodium Catalysed Cascade Reactions. <i>ChemistrySelect</i> , 2022 , 7,	1.8	3
48	Microwave-Assisted Palladium-catalyzed double C \equiv H Activation: One-pot Synthesis of Benzo[a]imidazo[5,1,2- cd]indolizines from 2-Phenylimidazo[1,2- a]pyridines and 1,2-Diiodobenzene. <i>ChemistrySelect</i> , 2022 , 7,	1.8	
47	C \equiv H bond activation and sequential addition to two different coupling partners: a versatile approach to molecular complexity. <i>Chemical Society Reviews</i> ,	58.5	6
46	Designing Artificial Metalloenzymes by Tuning of the Environment beyond the Primary Coordination Sphere. <i>Chemical Reviews</i> ,	68.1	7
45	Direct Synthesis of Biphenyl-2-carbonitriles by Rh(III)-Catalyzed C \equiv H Miyama Cross-Coupling in Water. <i>Organic Letters</i> ,	6.2	1
44	Enantioselective C \equiv H Functionalization Using High-Valent Group 9 Metal Catalysts. <i>Bulletin of the Chemical Society of Japan</i> ,	5.1	

43	Cp*RhIII-Catalyzed Cascade Annulation of Arylimidates with Pyridotriazoles toward Isoquinolin-3-ol Derivatives. 2022 , 87, 10858-10868	2
42	Pd-Catalyzed Alkyne and Aryne Annulations: Synthesis and Photophysical Properties of β -Extended Coumarins.	1
41	Diastereoselective Conversion of Cyclopropanols to Cyclopentane-1,3-diols via Aldol Dimerization of Zinc Homo-enolates.	
40	Synthesis of isocoumarins and PAHs with electron-withdrawing substituents: Impact of the substituent nature on the photophysical behavior. 2022 , 206, 110653	2
39	Cyclopentadienyl complexes of group 9 metals in the total synthesis of natural products. 2022 , 471, 214744	3
38	Palladium-catalysed C \equiv N arylation of benzophospholes with aryl halides. 2022 , 13, 10950-10960	1
37	Directing group strategies in rhodium-catalyzed C \equiv N amination. 2022 , 20, 7554-7576	1
36	Synthesis of Furans via Rhodium(III)-Catalyzed Cyclization of Acrylic Acids with β -Diazocarbonyl Compounds. 2022 , 87, 11979-11988	0
35	Rh(III)-Catalyzed Enone Carbonyl/Ketone-Directed Aerobic C \equiv N Olefination of Aromatics with Unactivated Olefins. 2022 , 87, 13236-13258	0
34	Iron-Catalyzed C \equiv H Functionalization to Form C \equiv C and C \equiv Neteroatom Bonds. 1-37	0
33	Enantioselective Nickel-Catalyzed C(sp ³) \equiv N Activation of Formamides.	1
32	Rhodium(III)-Catalyzed Oxidative C \equiv H and N \equiv H/O \equiv H Annulation. 1-20	0
31	Enantioselective Nickel-Catalyzed C(sp ³) \equiv N Activation of Formamides.	0
30	Versatile Reactivity of Half-Sandwich Rhodium(III) Iminophosphonamide Complexes.	0
29	Rhodium-Catalyzed C \equiv H Functionalization to Construct Annulated Molecules. 1-39	0
28	Manganese-Catalyzed Regioselective C \equiv H Allylation, Allenylation, Halogenation, Dehydrogenative Annulation, and Amidation. 1-39	0
27	Iron-Catalyzed C \equiv H Functionalization of Heterocycles. 1-41	0
26	Mechanistic Insights into Nickel-Catalyzed C \equiv H Functionalization Reactions. 1-41	0

25	Rh-Catalyzed C-H Functionalization with Allenes. 1-29	0
24	Recent Progress in Transition Metal-Catalyzed C-H Bond Activation of N-Aryl Phthalazinones. 2022 , 42, 2682	1
23	Rhodium-Catalyzed Tandem C-H Annulation Enabled by Transient Directing Group Strategy and Sequential Nucleophilic Substitution.	0
22	Manganese-catalyzed hydroarylation of multiple bonds.	0
21	Rh-Catalyzed C-H Functionalization with Alkene. 1-44	0
20	Utilization of sulfur function in directed catalytic C-H transformation: Site-selective substitution on indole and naphthalene skeletons. 1-7	0
19	Ru(II)-Catalyzed C-H Alkenylation of Benzimidates with Unactivated Olefins: A Route to ortho-Alkenylated Benzonitriles.	0
18	Synthesis of 9,10-phenanthrenes via Rh(III)-catalyzed [4+2] annulation of 2-biphenylboronic acids with diazo compounds.	0
17	Construction of Vinyl-Substituted N-Heterocycles via Rh(III)-Catalyzed C-H Functionalization/Annulation of Pyrazolidinones.	0
16	Ligand-assisted olefin-switched divergent oxidative Heck cascade with molecular oxygen enabled by self-assembled imines.	0
15	Triphenylcyclopentadienyl Rhodium Complexes in Catalytic C-H Annulations. Application for Synthesis of Natural Isocoumarins. 2023 , 88, 2869-2883	1
14	Effect of Alkoxy Substituents on the Regioselectivity of Catalytic C-H Activation in Benzoic Acids: Experimental and DFT Study. 2023 , 13, 389	0
13	Recent Advances in Rhodium-Catalyzed Electrochemical C-H Activation.	0
12	Rhodium-Catalyzed Annulations of 6-Arylimidazothiazoles with Alkynes through Rollover Dual C-H Bond Activation Strategy. 2023 , 8,	0
11	Electrochemical rhodium catalysed alkyne annulation with pyrazoles through anodic oxidation \square metal oxidant/additive free methodology. 2023 , 21, 2024-2033	1
10	Steric Parameterization Delivers a Reciprocally Predictive Model for Substrate Reactivity and Catalyst Turnover in Rh-Catalyzed Diyne-Alkyne [2 + 2 + 2] Cycloadditions. 2023 , 13, 3463-3470	0
9	Rh(III)-Catalyzed [4 + 1] Annulation of Sulfoximines with Maleimides: Access to Benzoisothiazole Spiropyrrolidinediones. 2023 , 88, 3626-3635	0
8	Rhodium(III)-Catalyzed Intramolecular Annulation and Aromatization for the Synthesis of Pyrrolo[1,2-a]quinolines. 2023 , 25, 1845-1849	0

- 7 An Electron-Deficient Cp E Iridium(III) Catalyst: Synthesis, Characterization, and Application to Ether-Directed C_H Amidation. ○
- 6 An Electron-Deficient Cp E Iridium(III) Catalyst: Synthesis, Characterization, and Application to Ether-Directed C_H Amidation. ○
- 5 Rhodium(III)-Catalyzed C₈-Selective C_H Alkenylation and Alkylation of 1, 2, 3, 4-Tetrahydroquinolines with Styrenes and Allylic Alcohols. **2023**, 365, 1027-1035 ○
- 4 Sustainable application of calcium carbide residue as a filler for 3D printing materials. **2023**, 13, ○
- 3 Application of Ligands in Cp*Rh(III)-Catalyzed C_H Bond Functionalization Reaction. **2023**, 43, 924 ○
- 2 Catalytic C_H/C_H Bond Activation Relay for Synthesis of Fluorescent Naphthoquinolizinium Salts. ○
- 1 Rh(III)-catalyzed cascade annulation of 4-diazoisoquinolin-3-ones with benzoic acids to access spiro[isobenzofuran-1,4'-isoquinoline]-3,3'-diones. **2023**, 137, 133392 ○