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Bond formations between two nucleophiles: transition metal catalyzed oxidative cross-coupling reactions

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1717	DPO and POPOP carboxylate-analog sensors by sequential palladium-catalysed direct arylation of oxazole-4-carboxylates. <b>2011</b> , 9, 6215-8		21
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1671	Iron-facilitated oxidative dehydrogenative C-O bond formation by propargylic C sp 3-H functionalization. <b>2012</b> , 51, 10823-6	48
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1578	Light-mediated heterogeneous cross dehydrogenative coupling reactions: metal oxides as efficient, recyclable, photoredox catalysts in C-C bond-forming reactions. <b>2012</b> , 18, 3478-81	196
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1417	Divergence between organometallic and single-electron-transfer mechanisms in copper(II)-mediated aerobic C-H oxidation. <b>2013</b> , 135, 9797-804	357
1416	Rhodium-catalyzed C3-selective alkenylation of substituted thiophene-2-carboxylic acids and related compounds. <b>2013</b> , 78, 7216-22	49
1415	Facile synthesis of benzofurans via copper-catalyzed aerobic oxidative cyclization of phenols and alkynes. <b>2013</b> , 49, 6611-3	88
1414	Pd-catalyzed oxidative cross-coupling between two electron rich heteroarenes. <b>2013</b> , 4, 3508	36
1413	Rhodium-catalyzed synthesis of amides from aldehydes and azides by chelation-assisted C-H bond activation. <b>2013</b> , 19, 10511-5	87
1412	Palladium-catalysed aerobic oxidative Heck-type alkenylation of Csp3-H for pyrrole synthesis. <b>2013</b> , 49, 5853-5	57
1411	Room Temperature Palladium-Catalyzed Decarboxylative Acyl/Aroylation using [Fe(III)(EDTA)(I2-O2)]3[as Oxidant at Biological pH. <b>2013</b> , 355, 673-678	51
1410	Oxidative coupling reactions of Grignard reagents with nitrous oxide. <b>2013</b> , 52, 6302-5	45
1409	DDQ-mediated direct intramolecular-dehydrogenative-coupling (IDC): expeditious approach to the tetracyclic core of ergot alkaloids. <b>2013</b> , 15, 2426-9	49
1408	Transition-metal-catalyzed additions of C-H bonds to C-X ( $X = N$ , O) multiple bonds via C-H bond activation. <b>2013</b> , 11, 5558-78	96
1407	Iron-catalyzed oxidative tandem reactions with TEMPO oxoammonium salts: synthesis of dihydroquinazolines and quinolines. <b>2013</b> , 78, 6050-64	118
1406	Copper-catalyzed sulfonamides formation from sodium sulfinates and amines. 2013, 49, 6102-4	129
1405	An alternative role for acetylenes: activation of fluorobenzenes toward nucleophilic aromatic substitution. <b>2013</b> , 78, 5987-98	35
1404	Rhodium(III)-catalyzed intermolecular direct amidation of aldehyde C-H bonds with N-chloroamines at room temperature. <b>2013</b> , 15, 2934-7	48
1403	Iron-catalyzed oxidative cross-coupling of phenols and alkenes. <b>2013</b> , 15, 3174-7	65

1402	Palladium-catalyzed oxidative coupling of aromatic primary amines and alkenes under molecular oxygen: stereoselective assembly of (Z)-enamines. <b>2013</b> , 78, 11155-62	60
1401	Role of Mono-N-protected Amino Acid Ligands in Palladium(II)-Catalyzed Dehydrogenative Heck Reactions of Electron-Deficient (Hetero)arenes: Experimental and Computational Studies. <b>2013</b> , 32, 6565-657	5 <sup>52</sup>
1400	Iron-Catalyzed Oxidative C?H/C?H Cross-Coupling: An Efficient Route to ⊞Quaternary ⊞Amino Acid Derivatives. <b>2013</b> , 125, 13180-13183	22
1399	Pd(II)-catalyzed C(sp2)-H hydroxylation with R2(O)P-coordinating group. <b>2013</b> , 15, 6186-9	72
1398	Palladium-catalyzed domino protodecarboxylation/oxidative Heck reaction: regioselective arylation of coumarin-3-carboxylic acids. <b>2013</b> , 69, 11164-11168	10
1397	Heterogeneous Palladium-Catalyzed Synthesis of Aromatic Ethers by Solvent-Free Dehydrogenative Aromatization: Mechanism, Scope, and Limitations Under Aerobic and Non-Aerobic Conditions. <b>2013</b> , 2013, 5902-5916	24
1396	Oxidative CBe Coupling of Formamides and Diselenides by Using Aqueous tert-But[]yl Hydroperoxide: A Convenient Synthesis of Selenocarbamates. <b>2013</b> , 2013, 7688-7692	10
1395	Rhodium(III)-catalyzed indole synthesis using N-N bond as an internal oxidant. <b>2013</b> , 135, 16625-31	289
1394	Copper-catalyzed oxidative ring closure and carboarylation of 2-ethynylanilides. 2013, 15, 5654-7	50
1393	Ag-promoted azido-carbocyclization of activated alkenes via C-H bond cleavage. <b>2013</b> , 8, 2932-5	72
1392	Dual CH activations of electron-deficient heteroarenes: palladium-catalyzed oxidative cross coupling of thiazoles with azine N-oxides. <b>2013</b> , 69, 4436-4444	53
1391	Mechanistic Studies for Synthesis of Bis(indolyl)methanes: Pd-Catalyzed CH Activation of Indole©arboxylic Acids with Benzyl Alcohols in Water. <b>2013</b> , 3, 486-500	25
1390	Palladium(II)-catalyzed othro-C-H-benzoxylation of 2-arylpyridines by oxidative coupling with aryl acylperoxides. <b>2013</b> , 18, 4403-18	19
1389	Palladium-Catalyzed Oxidative Cross-Coupling between Heterocycles and Terminal Alkynes with Low Catalyst Loading. <b>2013</b> , 125, 3718-3721	49
1388	Palladium-Catalyzed C3 Acylation of Benzofurans and Benzothiophenes with Aromatic Aldehydes by Cross-Dehydrogenative Coupling Reactions. <b>2013</b> , 2, 1044-1047	20
1387	Copper-Catalyzed Aerobic Intramolecular Dehydrogenative Cyclization of N,N-Disubstituted Hydrazones through C?H Functionalization. <b>2013</b> , 125, 2619-2623	8
1386	C?H Alkenylation of Azoles with Enols and Esters by Nickel Catalysis. <b>2013</b> , 125, 10232-10235	35
1385	An Approach to Benzophosphole Oxides through Silver- or Manganese-Mediated Dehydrogenative Annulation Involving C?C and C?P Bond Formation. <b>2013</b> , 125, 13213-13217	45

1384	Palladium-Catalyzed Aerobic Domino Oxidative Carbocyclization-Alkynylation of Allenynes. <b>2013</b> , 125, 14459-14463	30
1383	Katalytische oxidative Kupplungsreaktionen: selektive Bildung von C-C- und C-X-Bindungen <b>B</b> er radikalische Prozesse. <b>2013</b> , 125, 14115-14117	26
1382	Rhodium(I)-Catalyzed Redox-Economic Cross-Coupling of Carboxylic Acids with Arenes Directed by N-Containing Groups. <b>2013</b> , 125, 2117-2121	42
1381	Synergistischer Effekt von Keton und Hydroperoxid in Brfisted-Süre-katalysierten oxidativen Kupplungen. <b>2013</b> , 125, 13470-13474	24
1380	Palladium-catalyzed aerobic domino oxidative carbocyclization-alkynylation of allenynes. <b>2013</b> , 52, 14209-13	58
1379	Palladium/Copper-Catalyzed Oxidative C?H Alkenylation/N-Dealkylative Carbonylation of Tertiary Anilines. <b>2013</b> , 125, 10776-10779	30
1378	Iron-Catalyzed Oxidative Radical Cross-Coupling/Cyclization between Phenols and Olefins. <b>2013</b> , 125, 7292-7296	44
1377	Aerobic Synthesis of Pyrroles and Dihydropyrroles from Imines: Palladium(II)-Catalyzed Intramolecular C?H Dehydrogenative Cyclization. <b>2013</b> , 125, 4992-4996	20
1376	Trifluoromethanesulfonic Acid Catalyzed Synergetic Oxidative/[3+2] Cyclization of Quinones with Olefins. <b>2013</b> , 125, 10385-10388	9
1375	Oxidative Coupling Reactions of Grignard Reagents with Nitrous Oxide. <b>2013</b> , 125, 6422-6425	12
1374	Ru-catalyzed site-selective direct arylation polycondensation via ortho-metalation of pyrrole derivative. <b>2014</b> , 54, 012012	5
1373	Development of Synthetic Method for ^ ^pi;-Conjugated Polymers via Direct Arylation Polycondensation. <b>2014</b> , 72, 1271-1278	22
1372	Catalytic Enantioselective Oxidative Cross-Coupling of Benzylic Ethers with Aldehydes. <b>2014</b> , 126, 553-557	49
1371	Copper-Catalyzed Site-Selective Intramolecular Amidation of Unactivated C(sp3)?H Bonds. <b>2014</b> , 126, 3780-3784	46
1370	Chiral Counteranion Strategy for Asymmetric Oxidative C(sp3)?H/C(sp3)?H Coupling: Enantioselective EAllylation of Aldehydes with Terminal Alkenes. <b>2014</b> , 126, 12414-12417	54
1369	Practical and Highly Selective C?H Functionalization of Structurally Diverse Ethers. <b>2014</b> , 126, 14065-14069	19
1368	Copper-Catalyzed Oxidative Dimerizations of 3-N-Hydroxy-aminoprop-1-enes to form 1,4-Dihydroxy-2,3-diaminocyclohexanes with C2 Symmetry. <b>2014</b> , 126, 13099-13102	9
1367	Ruthenium-Catalyzed Switchable NH/CH Alkenylation of 6-Phenyl(dihydro)pyridazinones with Alkynes. <b>2014</b> , 2014, 6863-6867	11

1366	Copper-Catalyzed Coupling of Oxime Acetates with Sodium Sulfinates: An Efficient Synthesis of Sulfone Derivatives. <b>2014</b> , 126, 4289-4292	50
1365	Copper-Catalyzed Aerobic Oxidative Transformation of Ketone-Derived N-Tosyl Hydrazones: An Entry to Alkynes. <b>2014</b> , 126, 14713-14717	10
1364	Gold-Catalyzed C(sp3)?H/C(sp)?H Coupling/Cyclization/Oxidative Alkynylation Sequence: A Powerful Strategy for the Synthesis of 3-Alkynyl Polysubstituted Furans. <b>2014</b> , 126, 8004-8008	27
1363	Aminosulfonylation of Arenes, Sulfur Dioxide, and Hydrazines Cocatalyzed by Gold(III) Chloride and Palladium Acetate. <b>2014</b> , 356, 3225-3230	65
1362	Oxidant-free dehydrogenative coupling reactions via hydrogen evolution. <b>2014</b> , 7, 2788-90	31
1361	Palladium-catalyzed oxidative carbonylative coupling of arylboronic acids with terminal alkynes to alkynones. <b>2014</b> , 12, 5590-3	23
1360	Co(III)-catalyzed C-H activation/formal SN-type reactions: selective and efficient cyanation, halogenation, and allylation. <b>2014</b> , 136, 17722-5	460
1359	Visible-light promoted catalyst-free imidation of arenes and heteroarenes. <b>2014</b> , 20, 14231-4	105
1358	Copper-catalyzed oxidative homo- and cross-coupling of Grignard reagents using diaziridinone. <b>2014</b> , 16, 6144-7	31
1357	Kombinierte Rhodium- und Photoredoxkatalyse in der C-H-Funktionalisierung von Arenen: oxidative Heck-Reaktionen mit sichtbarem Licht. <b>2014</b> , 126, 10392-10396	48
1356	Copper-catalyzed aerobic oxidative transformation of ketone-derived N-tosyl hydrazones: an entry to alkynes. <b>2014</b> , 53, 14485-9	68
1355	Copper-Mediated C6-Selective Dehydrogenative Heteroarylation of 2-Pyridones with 1,3-Azoles. <b>2014</b> , 126, 10960-10964	25
1354	Metal-free DDQ-mediated oxidative CD coupling of acetalic sp3 Cℍ bonds with carboxylic acids. <b>2014</b> , 4, 54039-54042	13
1353	Ruthenium-Catalyzed Alkenylation of Arenes with Alkynes or Alkenes by 1,2,3-Triazole-Directed CH Activation. <b>2014</b> , 2014, 7878-7888	37
1352	Access to 🛮 Lactams by Enantioselective Palladium(0)-Catalyzed C(sp3)?H Alkylation. <b>2014</b> , 126, 9210-9213	43
1351	Rhodium-catalyzed dehydrogenative germylation of C-H bonds: new entry to unsymmetrically functionalized 9-germafluorenes. <b>2014</b> , 16, 6492-5	36
1350	Zinc(II) Hexachloroantimonate-Catalyzed Oxidative Allylation of Glycine Derivatives. <b>2014</b> , 3, 1066-1069	18
1349	Formation of Four Different Aromatic Scaffolds from Nitriles through Tandem Divergent Catalysis. <b>2014</b> , 126, 6553-6556	12

1348	Ruthenium(II)-catalyzed Ortho C-O Bond formation of Substituted Aromatics with Oxygen Nucleophiles through C-H Bond Activation. <b>2014</b> , 80, 999	3
1347	Asymmetric Organocatalytic Direct C(sp2)?H/C(sp3)?H Oxidative Cross-Coupling by Chiral Iodine Reagents. <b>2014</b> , 126, 3534-3537	27
1346	A Novel Regiospecific Synthesis of 1-Chloro-2-arylcyclohexenes. <b>2014</b> , 2014, 1-6	3
1345	Highly regioselective ruthenium-catalyzed direct arylation of thiazolo[3,2-b]-1,2,4-triazoles with aryl iodides and aryl bromides via Cℍ bond activation. <b>2014</b> , 756, 47-51	7
1344	Direct N-acylation of azoles via a metal-free catalyzed oxidative cross-coupling strategy. <b>2014</b> , 50, 4751-4	61
1343	Revealing the metal-like behavior of iodine: an iodide-catalysed radical oxidative alkenylation. <b>2014</b> , 50, 4496-9	191
1342	Metal-free cross-coupling reaction of aldehydes with disulfides by using DTBP as an oxidant under solvent-free conditions. <b>2014</b> , 16, 2644-2652	75
1341	Diastereotopic Group Selection in Hydroxy-Directed Intramolecular C?H Alkenylation of Indole under Oxidative Palladium(II) Catalysis. <b>2014</b> , 356, 1597-1609	22
1340	Iron-catalyzed C(sp3)⊞ functionalization of methyl azaarenes with Exoesters: a facile approach to lactic acid derivatives. <b>2014</b> , 70, 3056-3060	18
1339	Copper-catalysed oxidative C-H/C-H coupling between olefins and simple ethers. <b>2014</b> , 50, 3623-6	143
1338	Metal-catalyzed annulation reactions for Econjugated polycycles. 2014, 20, 3554-76	122
1337	ortho-Benzoxylation of N-alkyl benzamides with aromatic acids catalyzed by ruthenium(II) complex. <b>2014</b> , 20, 4092-7	39
1336	Hypervalent iodine-mediated selective oxidative functionalization of (thio)chromones with alkanes. <b>2014</b> , 20, 4568-72	87
1335	Redox-neutral 即difunctionalization of cyclic amines. <b>2014</b> , 53, 5179-82	63
1334	Copper-catalyzed site-selective intramolecular amidation of unactivated C(sp[])-H bonds. <b>2014</b> , 53, 3706-10	170
1333	Copper-Mediated Direct Arylation of Azole Compounds. <b>2014</b> , 57, 878-889	40
1332	Asymmetric organocatalytic direct C(sp[])-H/C(sp[])-H oxidative cross-coupling by chiral iodine reagents. <b>2014</b> , 53, 3466-9	103
1331	Direct olefination of fluorinated benzothiadiazoles: a new entry to optoelectronic materials. <b>2014</b> , 20, 4532-6	13

1330	Chiral Cp-rhodium(III)-catalyzed asymmetric hydroarylations of 1,1-disubstituted alkenes. <b>2014</b> , 53, 507-11	207
1329	Palladium-catalyzed double C-H activation: one-pot synthesis of benzo[c]pyrazolo[1,2-a]cinnolin-1-ones from 5-pyrazolones and aryl iodides. <b>2014</b> , 50, 1682-4	29
1328	Aromatic homologation by non-chelate-assisted Rh(III)-catalyzed C-H functionalization of arenes with alkynes. <b>2014</b> , 53, 3484-7	113
1327	The cross-dehydrogenative coupling of C(sp3)-H bonds: a versatile strategy for C-C bond formations. <b>2014</b> , 53, 74-100	1464
1326	Palladium-Catalyzed [2+2+1] Oxidative Annulation of 4-Hydroxycoumarins with Unactivated Internal Alkynes: Access to Spiro Cyclopentadiene-Chroman-2,4-dione Complexes. <b>2014</b> , 356, 319-324	22
1325	Single electron transfer in radical ion and radical-mediated organic, materials and polymer synthesis. <i>Chemical Reviews</i> , <b>2014</b> , 114, 5848-958	302
1324	Oxidative trifluoromethylation and trifluoromethylthiolation reactions using (trifluoromethyl)trimethylsilane as a nucleophilic CF3 source. <b>2014</b> , 47, 1513-22	539
1323	Pd-catalyzed aerobic direct olefination of polyfluoroarenes. <b>2014</b> , 55, 2962-2964	9
1322	Selective thienylation of fluorinated benzothiadiazoles and benzotriazoles for organic photovoltaics. <b>2014</b> , 5, 1317-1321	19
1321	Efficient visible light-mediated cross-dehydrogenative coupling reactions of tertiary amines catalyzed by a polymer-immobilized iridium-based photocatalyst. <b>2014</b> , 16, 2438-2442	96
1320	Dual C-H functionalization of N-aryl amines: synthesis of polycyclic amines via an oxidative Povarov approach. <b>2014</b> , 16, 2756-9	71
1319	Biomimetic Aerobic C-H Olefination of Cyclic Enaminones at Room Temperature: Development toward the Synthesis of 1,3,5-Trisubstituted Benzenes. <b>2014</b> , 356, 1359-1369	10
1318	Towards ideal synthesis: alkenylation of aryl C-H bonds by a Fujiwara-Moritani reaction. <b>2014</b> , 20, 634-42	196
1317	Synthesis of Biaryls through Aromatic C?H Bond Activation: A Review of Recent Developments. <b>2014</b> , 356, 1661-1696	152
1316	A transition metal-free Minisci reaction: acylation of isoquinolines, quinolines, and quinoxaline. <b>2014</b> , 79, 3856-65	110
1315	Syntheses of sulfides and selenides through direct oxidative functionalization of C(sp3)-H bond. <b>2014</b> , 16, 3032-5	99
1314	Ruthenium- and Rhodium-Catalyzed Dehydrogenative ortho-Alkenylation of Benzylamines via Free Amino Group Directed C?H Bond Cleavage. <b>2014</b> , 356, 1521-1526	64
1313	A Rhodium-Catalyzed Cascade Cyclization: Direct Synthesis of N-Substituted Phthalimides from Isocyanates and Benzoic Acids. <b>2014</b> , 356, 723-728	63

1312	Photoinduced conversion of methane into benzene over GaN nanowires. 2014, 136, 7793-6	96
1311	The benzoyl peroxide promoted dual C-C bond formation via dual C-H bond cleavage:   phenanthridinylation of ether by isocyanide. <b>2014</b> , 16, 2088-91	106
1310	Palladium-Catalyzed Direct Arylation and Alkenylation of 3-(Indol-3-yl)propionic Acids through CB Bond Cleavage. <b>2014</b> , 88, 275	5
1309	Copper-mediated tandem oxidative C(sp2)-H/C(sp)-H alkynylation and annulation of arenes with terminal alkynes. <b>2014</b> , 16, 2884-7	146
1308	Copper-catalyzed esterification of alkylbenzenes with cyclic ethers and cycloalkanes via C(sp3)-H activation following cross-dehydrogenative coupling. <b>2014</b> , 16, 3086-9	116
1307	12-catalyzed oxidative cross-coupling of methyl ketones and benzamidines hydrochloride: a facile access to Eketoimides. <b>2014</b> , 16, 2888-91	115
1306	Copper-catalyzed aerobic oxidative N-S bond functionalization for C-S bond formation: regio- and stereoselective synthesis of sulfones and thioethers. <b>2014</b> , 20, 7911-5	183
1305	Formation of four different aromatic scaffolds from nitriles through tandem divergent catalysis. <b>2014</b> , 53, 6435-8	33
1304	Cross-coupling reactions using samarium(II) iodide. <i>Chemical Reviews</i> , <b>2014</b> , 114, 5959-6039 68.1	267
1303	Single-step oxidative homocoupling of aryl Grignard reagents via Co(II), Ni(II) and Cu(II) Complexes under air. <b>2014</b> , 28, 383-388	4
1302	Merging aerobic oxidation and enamine catalysis in the asymmetric that in the asymmetric that is a symmetric than it is a symmetric that is a symmetry th	93
1301	Catalytic enantioselective oxidative cross-coupling of benzylic ethers with aldehydes. <b>2014</b> , 53, 543-7	153
1300	Reductive cross-coupling reactions between two electrophiles. <b>2014</b> , 20, 6828-42	376
1299	Practical Methods for the Synthesis of Trifluoromethylated Alkynes: Oxidative Trifluoromethylation of Copper Acetylides and Alkynes. <b>2014</b> , 356, 2051-2060	43
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1297	Synthesis of dibenzothiophenes by Pd-catalyzed dual C-H activation from diaryl sulfides. <b>2014</b> , 20, 7258-61	52
1296	Palladium-catalyzed intramolecular reductive cross-coupling of Csp2-Csp3 bond formation. <b>2014</b> , 20, 8308-13	10
1295	N-Arylations of sulfoximines with 2-arylpyridines by copper-mediated dual N-H/C-H activation. <b>2014</b> , 16, 2661-3	78

1294	Rh(III)-catalyzed amide-directed cross-dehydrogenative heteroarylation of pyridines. <b>2014</b> , 16, 416-9	61
1293	Vanadium-catalyzed oxidative Strecker reaction: £C-H cyanation of -methoxyphenyl (PMP)-protected primary amines. <b>2014</b> , 55, 232-232	20
1292	Metal-free coupling of saturated heterocyclic sulfonylhydrazones with boronic acids. 2014, 79, 328-38	70
1291	Direct functionalization of unactivated C-H bonds catalyzed by group 3-5 metal alkyl complexes. <b>2014</b> , 43, 2331-43	57
1290	Redox-neutral 🖶 rylation of amines. <b>2014</b> , 16, 730-2	53
1289	Free-radical cascade alkylarylation of alkenes with simple alkanes: highly efficient access to oxindoles via selective (sp3)C-H and (sp2)C-H bond functionalization. <b>2014</b> , 16, 382-5	208
1288	A one-pot process for palladium catalyzed direct CH acylation of anilines in water using a removable ortho directing group. <b>2014</b> , 4, 3883-3886	20
1287	Palladium-catalyzed cross-dehydrogenative functionalization of C(sp(2))-H Bonds. <b>2014</b> , 9, 26-47	232
1286	Pd-catalyzed oxidative cross-coupling of imidazo[1,2-a]pyridine with arenes. <b>2014</b> , 55, 1589-1592	43
1285	A copper-catalyzed domino route toward purine-fused tricyclic derivatives. <b>2014</b> , 79, 1093-9	20
1284	DDQ-mediated oxidative coupling: an approach to 2,3-dicyanofuran (thiophene). <b>2014</b> , 79, 1156-65	58
1283	Facile construction of pyrrolophenanthridone skeleton via a one-pot intramolecular Heck reaction and oxidation. <b>2014</b> , 70, 312-317	9
1282	The Literature of Heterocyclic Chemistry, Part XII, 2010\(\mathbb{Q}\)011. <b>2014</b> , 147-274	16
1281	A TiO2 immobilized Ru(II) polyazine complex: a visible-light active photoredox catalyst for oxidative cyanation of tertiary amines. <b>2014</b> , 2, 4514	40
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1279	Catalytic asymmetric ⊞(sp3)⊞ functionalization of amines. <b>2014</b> , 55, 551-558	92
1278	Bioinspired direct access to benzofuroindolines by oxidative [3 + 2] annulation of phenols and indoles. <b>2014</b> , 16, 5752-5	61
1277	Exceptionally mild palladium(II)-catalyzed dehydrogenative C-H/C-H arylation of indolines at the C-7 position under air. <b>2014</b> , 16, 6020-3	66

1276	Direct oxidative coupling of enamides and 1,3-dicarbonyl compounds: a facile and versatile approach to dihydrofurans, furans, pyrroles, and dicarbonyl enamides. <b>2014</b> , 16, 5992-5	48
1275	Regioselective C-H imidation of five-membered heterocyclic compounds through a metal catalytic or organocatalytic approach. <b>2014</b> , 9, 3413-6	25
1274	Palladium-catalyzed desulfitative cross-coupling of arylsulfinates with arylboronic acids. <b>2014</b> , 4, 57923-57928	24
1273	Mild and highly efficient metal-free oxidative Eyanation of N-acyl/sulfonyl tetrahydroisoquinolines. <b>2014</b> , 4, 60075-60078	29
1272	Structurally diverse Bubstituted benzopyran synthesis through a practical metal-free C(sp3)-H functionalization. <b>2014</b> , 16, 5988-91	66
1271	Copper-catalyzed coupling of oxime acetates with sodium sulfinates: an efficient synthesis of sulfone derivatives. <b>2014</b> , 53, 4205-8	242
1270	Pd- and Cu-catalyzed stereo- and regiocontrolled decarboxylative/C-H fluoroalkenylation of heteroarenes. <b>2014</b> , 20, 15000-4	44
1269	Ruthenium(II)-Catalysed sp2 CH Bond Functionalization by CL Bond Formation. <b>2014</b> , 119-193	23
1268	Asymmetric Synthesis of Isoindolones by Chiral Cyclopentadienyl-Rhodium(III)-Catalyzed C?H Functionalizations. <b>2014</b> , 126, 8030-8033	91
1267	Copper-Catalyzed Direct C?H Arylation of Thieno[3,4-c]pyrrole-4,6-dione (TPD): Toward Efficient and Low-Cost Synthesis of Functional Small Molecules. <b>2014</b> , 356, 3761-3768	15
1266	Recent advances of transition-metal catalyzed radical oxidative cross-couplings. <b>2014</b> , 47, 3459-70	278
1265	Controllable mono-/di-alkenylation of aryl alkyl thioethers tuned by oxidants via Pd-catalysis. <b>2014</b> , 1, 1096-1100	29
1264	Copper-mediated direct alkoxylation of arenes using an N,O-bidentate directing system. <b>2014</b> , 79, 10399-409	49
1263	Palladium-catalyzed oxidative C-H bond acylation of N-nitrosoanilines with toluene derivatives: a traceless approach to synthesize N-alkyl-2-aminobenzophenones. <b>2014</b> , 50, 15352-4	55
1262	Pd-catalyzed dehydrogenative cross-coupling of pyridine-N-oxides with uracils. <b>2014</b> , 4, 13764	25
1261	Gold-catalyzed C(sp3)-H/C(sp)H coupling/cyclization/oxidative alkynylation sequence: a powerful strategy for the synthesis of 3-alkynyl polysubstituted furans. <b>2014</b> , 53, 7870-4	69
1260	The transition-metal-catalyst-free oxidative homocoupling of organomanganese reagents prepared by the insertion of magnesium into organic halides in the presence of MnCl2[PLiCl. <b>2014</b> , 12, 7800-9	9
1259	Rh(III)-catalyzed annulation of N-methoxybenzamides with ynesulfonamides at room temperature: a practical and efficient route to 4-aminoisoquinolone derivatives. <b>2014</b> , 4, 49186-49189	6

1258	Pd-catalyzed direct CH arylation of thieno[3,4-c]pyrrole-4,6-dione (TPD): a step-economical synthetic alternative to access TPD-centred symmetrical small molecules. <b>2014</b> , 4, 35868-35878	15
1257	One-step metal-free construction of fluorescent 5-aryl-2,3-dicyanofurans from simple aryl ketones with DDQ. <b>2014</b> , 4, 474-478	13
1256	Oxidative cross-dehydrogenative coupling between N-aryl tetrahydroisoquinolins and 5H-oxazol-4-ones through two methodologies: copper catalysis or a metal-free strategy. <b>2014</b> , 50, 15714-7	26
1255	Seven- and eight-membered heterocyclic biaryl synthesis through a metal-free oxidative coupling reaction. <b>2014</b> , 55, 6899-6902	9
1254	Pd-catalyzed oxidative CH arylation of heterocycle embedded thiophene/furan with aryl boronic acid/ester. <b>2014</b> , 4, 47697-47700	10
1253	Palladium dichloride adduct of N,N-bis-(diphenylphosphanylmethyl)-2-aminopyridine: synthesis, structure and catalytic performance in the decarboxylative cross-coupling of 4-picolinic acid with aryl bromide. <b>2014</b> , 43, 9786-94	16
1252	Catalytic asymmetric direct 🖶 lkylation of amino esters by aldehydes via imine activation. <b>2014</b> , 5, 1988	66
1251	Synthesis of functionalized carbamates and quinones via sequential oxidation of salicylaldehydes using TBHP as the oxidant. <b>2014</b> , 55, 6307-6310	7
1250	Ruthenium-catalyzed ortho-arylation of acetanilides with aromatic boronic acids: an easy route to prepare phenanthridines and carbazoles. <b>2014</b> , 50, 2442-4	85
1249	Nanoparticle mediated organic synthesis (NAMO-synthesis): CuI-NP catalyzed ligand free amidation of aryl halides. <b>2014</b> , 4, 41631-41635	10
1248	Practical and highly selective C-H functionalization of structurally diverse ethers. <b>2014</b> , 53, 13845-9	75
1247	Recent advances in heterobimetallic palladium(II)/copper(II) catalyzed domino difunctionalization of carbon-carbon multiple bonds. <b>2014</b> , 12, 6767-89	61
1246	Transition Metal-Free Intermolecular EC?H Amination of Ethers at Room Temperature. <b>2014</b> , 356, 3325-3330	47
1245	Mechanistic study of silver-mediated furan formation by oxidative coupling. <b>2014</b> , 20, 15395-400	30
1244	Nano PdHe3O4@Alg beads: as an efficient and magnetically separable catalyst for Suzuki, Heck and BuchwaldHartwig coupling reactions. <b>2014</b> , 4, 53387-53396	17
1243	Metal-free oxidative direct C(sp□-H bond functionalization of ethers with ⊞diaryl allylic alcohols. <b>2014</b> , 50, 9718-21	98
1242	Combining rhodium and photoredox catalysis for C-H functionalizations of arenes: oxidative Heck reactions with visible light. <b>2014</b> , 53, 10228-31	131
1241	Copper(II)-catalyzed direct thiolation of C⊞ bonds in aromatic amides with aryl and aliphatic thiols. <b>2014</b> , 70, 8730-8736	41

1240	tert-Butyl peroxybenzoate (TBPB)-mediated 2-isocyanobiaryl insertion with 1,4-dioxane: efficient synthesis of 6-alkyl phenanthridines via C(sp3)-H/C(sp2)-H bond functionalization. <b>2014</b> , 50, 6439-42	109
1239	Copper-catalyzed acyloxylation of the C(sp3)日 bond adjacent to an oxygen by a cross-dehydrogenative coupling approach. <b>2014</b> , 4, 50795-50800	15
1238	Palladium-catalyzed direct thiolation of ethers with sodium sulfinates. <b>2014</b> , 55, 6407-6410	12
1237	Copper(I)-catalyzed oxidative coupling between 2-aminobenzothiazole and terminal alkyne: formation of benzothiazine. <b>2014</b> , 16, 5652-5	23
1236	Metal-free oxidative C(sp3)-H bond functionalization of alkanes and conjugate addition to chromones. <b>2014</b> , 16, 5342-5	64
1235	Metal-free Mizoroki-Heck type reaction: a radical oxidative coupling reaction of 2-chloro-dithiane with substituted olefins. <b>2014</b> , 50, 14017-20	17
1234	Palladium-catalyzed oxidative CH/CH cross-coupling of pyridine N-oxides with five-membered heterocycles. <b>2014</b> , 50, 9291-4	38
1233	Chiral counteranion strategy for asymmetric oxidative C(sp[])-H/C(sp[])-H coupling: enantioselective Ellylation of aldehydes with terminal alkenes. <b>2014</b> , 53, 12218-21	167
1232	Organometallic Approaches to Conjugated Polymers for Plastic Solar Cells: From Laboratory Synthesis to Industrial Production. <b>2014</b> , 2014, 6583-6614	58
1231	Mechanistic study on the palladium(II)-catalyzed synthesis of 2,3-disubstituted indoles under aerobic conditions: anion effects and the development of a low-catalyst-loading process. <b>2014</b> , 20, 12255-61	18
1230	Oxidation and Reduction. <b>2014</b> , 97-197	
1229	Versatile palladium-catalyzed C-H olefination of (hetero)arenes at room temperature. <b>2014</b> , 50, 13914-6	49
1228	Synthesis of heterocyclic-fused benzopyrans via the Pd(II)-catalyzed C-H alkenylation/C-O cyclization of flavones and coumarins. <b>2014</b> , 12, 3413-22	19
1227	Nickel-catalyzed reductive cyclization of alkyl dihalides. <b>2014</b> , 16, 4984-7	26
1226	Rhodium-catalyzed direct oxidative cross-coupling of 2-aryl pyridine with benzothiazoles. <b>2014</b> , 70, 6474-6481	8
1225	Palladium-Catalyzed Intramolecular Oxidative C?H Sulfuration of Aryl Thiocarbamates. <b>2014</b> , 356, 2471-2476	29
1224	Palladium-catalyzed C2-acylation of indoles with aryl and alkyl aldehydes. <b>2014</b> , 70, 7490-7495	31
1223	Rhodium(III)-catalyzed regioselective C-H alkenylation of phenylphosphine sulfides. <b>2014</b> , 79, 7649-55	56

1222	A copper-mediated oxidative N-cyanation reaction. <b>2014</b> , 50, 8412-5	42
1221	Metal-free visible-light induced cross-dehydrogenative coupling of tertiary amines with diazo compounds. <b>2014</b> , 16, 4232-5	92
1220	Oxidative coupling of terminal alkyne with Hydroxy ketone: an expedient approach toward ynediones. <b>2014</b> , 16, 4400-3	45
1219	Palladium-catalyzed direct C(sp(2))-H alkoxylation of 2-aryloxypyridines using 2-pyridyloxyl as the directing group. <b>2014</b> , 79, 8457-61	51
1218	Thioesterification of Alkylbenzenes with Thiols via Copper- Catalyzed Cross-Dehydrogenative Coupling without a Directing Group. <b>2014</b> , 356, 3099-3105	49
1217	Palladium-catalyzed direct ortho-nitration of azoarenes using NO2 as nitro source. <b>2014</b> , 16, 4540-2	71
1216	Access to 🛮 lactams by enantioselective palladium(0)-catalyzed C(sp3)-H alkylation. <b>2014</b> , 53, 9064-7	105
1215	Palladium-catalyzed intramolecular oxidative coupling involving double C(sp(2))-H bonds for the synthesis of annulated biaryl sultams. <b>2014</b> , 79, 8010-9	69
1214	Reaction progress kinetic analysis of a copper-catalyzed aerobic oxidative coupling reaction with N-phenyl tetrahydroisoquinoline. <b>2014</b> , 79, 12033-40	32
1213	Direct oxidative coupling of N-acetyl indoles and phenols for the synthesis of benzofuroindolines related to phalarine. <b>2014</b> , 53, 11881-5	102
1212	Use of the Wilkinson catalyst for the ortho-C-H heteroarylation of aromatic amines: facile access to highly extended £conjugated heteroacenes for organic semiconductors. <b>2014</b> , 53, 12158-62	79
1211	Unprecedented catalytic activity of Fe(NO3)3DH2O: regioselective synthesis of 2-nitroimidazopyridines via oxidative amination. <b>2014</b> , 16, 4630-3	78
1210	Ligand-controlled regiodivergent pathways of rhodium(III)-catalyzed dihydroisoquinolone synthesis: experimental and computational studies of different cyclopentadienyl ligands. <b>2014</b> , 20, 15409-18	100
1209	Synthesis of carborane-fused cyclobutenes and cyclobutanes. <b>2014</b> , 57, 1157-1163	3
1208	Transition-metal-free coupling reactions. <i>Chemical Reviews</i> , <b>2014</b> , 114, 9219-80 68.1	771
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1206	Oxidative coupling of alkenes with amides using peroxides: selective amide C(sp3)-H versus C(sp2)-H functionalization. <b>2014</b> , 50, 12867-9	55
1205	Palladium catalysed cross-dehydrogenative-coupling of 1,3,5-trialkoxybenzenes with simple arenes. <b>2014</b> , 50, 13275-7	14

1204	Metal free oxidative coupling of aryl formamides with alcohols for the synthesis of carbamates. <b>2014</b> , 12, 2172-5	15
1203	3.07 Coupling Reactions Between sp3-Carbon Centers. <b>2014</b> , 337-391	14
1202	Rhodium-catalyzed annulative coupling of 3-phenylthiophenes with alkynes involving double C-H bond cleavages. <b>2014</b> , 20, 385-9	64
1201	Unexpected cyclization of tritylamines promoted by copper salt through C-H and C-N bond cleavages to produce acridine derivatives. <b>2014</b> , 20, 12720-4	18
1200	Direct inter- and intramolecular addition of amides to arylalkenes promoted by KOt-Bu/DMF. <b>2014</b> , 79, 8557-65	21
1199	Propargylamine synthesis via direct oxidative CC coupling reaction between N,N-dimethylanilines and terminal alkynes under metal <b>B</b> rganic framework catalysis. <b>2014</b> , 395, 300-306	32
1198	Dehydrogenative cross-coupling reaction by cooperative transition-metal and Br⊞sted acid catalysis for the synthesis of □quinolinyl ⊕mino acid esters. <b>2014</b> , 16, 4881-3	78
1197	A Unified Strategy Towards N-Aryl Heterocycles by a One-Pot Copper-Catalyzed Oxidative CH Amination of Azoles. <b>2014</b> , 2014, 5986-5997	22
1196	Direct Oxidative Arylation of C(sp3)?H Bonds Adjacent to Oxygen of Ethers and Alcohols. <b>2014</b> , 356, 3171-3179	33
1195	Regioselective thiolation of arenes and heteroarenes: C-H functionalization strategy for C-S bond formation. <b>2014</b> , 79, 9655-68	49
1194	Rhodium(III)-catalyzed ortho-alkenylation through C-H bond cleavage directed by sulfoxide groups. <b>2014</b> , 16, 1188-91	100
1193	Remodeling of fumagillol: discovery of an oxygen-directed oxidative Mannich reaction. <b>2014</b> , 16, 792-5	21
1192	Copper catalyzed oxidative cross-coupling of aromatic amines with 2-pyrrolidinone: a facile synthesis of N-aryl-Damino-Dlactams. <b>2014</b> , 70, 6068-6074	12
1191	A free radical cascade cyclization of isocyanides with simple alkanes and alcohols. <b>2014</b> , 16, 3396-9	151
1190	Fe-Catalysed oxidative C-H/N-H coupling between aldehydes and simple amides. <b>2014</b> , 50, 4736-9	56
1189	Copper-catalysed oxidative Csp(3)-H methylenation to terminal olefins using DMF. <b>2014</b> , 50, 7636-8	46
1188	Photochemically induced radical alkenylation of C(sp3)⊞ bonds. <b>2014</b> , 5, 4339-4345	88
1187	Pd-catalyzed synthesis of 9,9'-bifluorenylidene derivatives via dual C-H activation of bis-biaryl alkynes. <b>2014</b> , 136, 9540-3	51

1186	Highly regioselective palladium-catalyzed direct cross-coupling of imidazo[1,2-a]pyridines with arylboronic acids. <b>2014</b> , 56, 65-67	24
1185	Copper-catalyzed N-arylation and aerobic oxidation: one-pot synthesis of tetrahydroisoquinolino[2,1-a]quinazolinone derivatives. <b>2014</b> , 4, 2694-2704	24
1184	Synthesis of (Poly)fluorobiphenyls through Metal-catalyzed C?H Bond Activation/Arylation of (Poly)fluorobenzene Derivatives. <b>2014</b> , 6, 1824-1859	76
1183	Pd-catalyzed aerobic oxidative coupling of arenes: evidence for transmetalation between two Pd(II)-aryl intermediates. <b>2014</b> , 136, 9914-7	83
1182	Oxidative coupling reactions for the functionalisation of CH bonds using oxygen. <b>2014</b> , 4, 2778	67
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1180	Mechanistic insight into the copper-catalyzed phosphorylation of terminal alkynes: a combined theoretical and experimental study. <b>2014</b> , 79, 6816-22	59
1179	Practical synthesis of pyrazoles via a copper-catalyzed relay oxidation strategy. <b>2014</b> , 50, 14793-6	72
1178	Copper-Catalyzed Formation of CD Bonds by Oxidative Coupling of Benzylic Alcohols with Ethers. <b>2014</b> , 2014, 6850-6853	13
1177	[Fe(III)(TF4DMAP)OTf] catalysed anti-Markovnikov oxidation of terminal aryl alkenes to aldehydes and transformation of methyl aryl tertiary amines to formamides with H2O2 as a terminal oxidant. <b>2014</b> , 50, 12669-72	26
1176	Synergistic Pd/enamine catalysis: a strategy for the C-H/C-H oxidative coupling of allylarenes with unactivated ketones. <b>2014</b> , 16, 3584-7	52
1175	IE atalyzed oxidative C(sp[)-H/S-H coupling: utilizing alkanes and mercaptans as the nucleophiles. <b>2014</b> , 50, 14386-9	68
1174	Synthesis of 2-vinylbenzofurans via the copper-catalyzed multicomponent reactions involving an oxa-Michael/arylation/vinylation cascade. <b>2014</b> , 16, 5160-3	32
1173	Copper-catalyzed oxidative dimerizations of 3-N-hydroxy-aminoprop-1-enes to form 1,4-dihydroxy-2,3-diaminocyclohexanes with C2 symmetry. <b>2014</b> , 53, 12885-8	17
1172	A metal free domino synthesis of 3-aroylindoles via two sp[]C-H activation. <b>2014</b> , 50, 10445-7	51
1171	Palladium catalyzed oxidative Suzuki coupling reaction of indolizine at the 3-position using oxygen gas as the only oxidant. <b>2014</b> , 4, 24389	17
1170	Metal-free synthesis of methylene-bridged bis-1,3-dicarbonyl compounds via oxidative CII bond cleavage of tertiary aliphatic amines. <b>2014</b> , 4, 26783-26786	17
1169	A highly efficient Pd-catalyzed decarboxylative ortho-arylation of amides with aryl acylperoxides. <b>2014</b> , 50, 14862-5	67

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1168	Copper-mediated C6-selective dehydrogenative heteroarylation of 2-pyridones with 1,3-azoles. <b>2014</b> , 53, 10784-8	102
1167	Nickel-catalyzed chelation-assisted direct arylation of unactivated C(sp3)-H bonds with aryl halides. <b>2014</b> , 50, 3944-6	125
1166	Regioselective C3 alkenylation of 4 H-pyrido[1,2-a]pyrimidin-4-ones via palladium-catalyzed C-H activation. <b>2014</b> , 9, 2436-9	15
1165	7.13 Directed Aryl CH Oxidations with Transition Metals. <b>2014</b> , 313-346	1
1164	Highly regioselective palladium-catalyzed direct alkenylation of thiazolo[3,2-b]-1,2,4-triazoles via CH activation. <b>2014</b> , 55, 3549-3552	19
1163	The redox-Mannich reaction. <b>2014</b> , 16, 3158-61	46
1162	Carbon-carbon cross-coupling reactions catalyzed by a two-coordinate nickel(II)-bis(amido) complex via observable Ni(I), Ni(II), and Ni(III) intermediates. <b>2014</b> , 53, 7290-4	73
1161	Carbontarbon Cross-Coupling Reactions Catalyzed by a Two-Coordinate Nickel(II) <b>B</b> is(amido) Complex via Observable NiI, NiII, and NiIII Intermediates. <b>2014</b> , 126, 7418-7422	21
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1159	An Efficient Rhodium/Oxygen Catalytic System for Oxidative Heck Reaction of Indoles and Alkenes via C?H Functionalization. <b>2014</b> , 356, 1509-1515	77
1158	Iron-catalyzed/mediated oxidative transformation of C⊞ bonds. <b>2014</b> , 1, 194-214	225
1157	I2-promoted selective oxidative cross-coupling/annulation of 2-naphthols with methyl ketones: a strategy to build naphtho[2,1-b]furan-1(2H)-ones with a quaternary center. <b>2014</b> , 16, 1732-5	85
1156	Asymmetric synthesis of isoindolones by chiral cyclopentadienyl-rhodium(III)-catalyzed C-H functionalizations. <b>2014</b> , 53, 7896-9	234
1155	Metal-free oxidative ipso-carboacylation of alkynes: synthesis of 3-acylspiro[4,5]trienones from N-arylpropiolamides and aldehydes. <b>2014</b> , 79, 4582-9	89
1154	Iron-catalyzed cross-dehydrogenative coupling esterification of unactive C(sp3)-H bonds with carboxylic acids for the synthesis of ⊞cyloxy ethers. <b>2014</b> , 79, 3847-55	95
1153	Synthesis of triarylmethanes by palladium-catalyzed C-H/C-O coupling of oxazoles and diarylmethanol derivatives. <b>2014</b> , 79, 5401-11	57
1152	Metal-catalyzed reductive coupling reactions of organic halides with carbonyl-type compounds. <b>2014</b> , 20, 8242-58	298
1151	TBHP-Mediated Cℍ Thiolation of Tetrahydrofuran with Disulfides Promoted by Catalytic Amounts of Na2CO3. <b>2014</b> , 38, 280-282	0

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1148	Co-catalyzed synthesis of 1,4-dicarbonyl compounds using TBHP oxidant. <b>2014</b> , 16, 1932-5	72
1147	Cross-coupling hydrogen evolution reaction in homogeneous solution without noble metals. <b>2014</b> , 16, 1988-91	132
1146	Copper-catalyzed Emethylenation of benzylpyridines using dimethylacetamide as one-carbon source. <b>2014</b> , 16, 2050-3	63
1145	Manganese-mediated C3-selective direct alkylation and arylation of 2-pyridones with diethyl malonates and arylboronic acids. <b>2014</b> , 79, 1377-85	59
1144	Pd(II)-Catalyzed arylation of unactivated methylene C(sp3)-H bonds with aryl halides using a removable auxiliary. <b>2014</b> , 50, 8353-5	76
1143	Synthesis of antiviral tetrahydrocarbazole derivatives by photochemical and acid-catalyzed C-H functionalization via intermediate peroxides (CHIPS). <b>2014</b> , e51504	
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1141	Stereospecific Aerobic Oxidative Dehydrocoupling of P(O) Bonds with Amines Catalyzed by Copper. <b>2014</b> , 87, 400-402	15
1140	Rhodium-catalyzed Intramolecular Dehydrogenative ArylAryl Coupling Using Air as Terminal Oxidant. <b>2014</b> , 43, 1782-1784	16
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1138	Direct Oxidative Coupling of N-Acetyl Indoles and Phenols for the Synthesis of Benzofuroindolines Related to Phalarine. <b>2014</b> , 126, 12075-12079	29
1137	Use of the Wilkinson Catalyst for the ortho-C?H Heteroarylation of Aromatic Amines: Facile Access to Highly Extended Econjugated Heteroacenes for Organic Semiconductors. <b>2014</b> , 126, 12354-12358	29
1136	Chiral Cp-Rhodium(III)-Catalyzed Asymmetric Hydroarylations of 1,1-Disubstituted Alkenes. <b>2014</b> , 126, 517-521	106
1135	Redox-Neutral #Difunctionalization of Cyclic Amines. <b>2014</b> , 126, 5279-5282	11
1134	Aromatic Homologation by Non-Chelate-Assisted RhIII-Catalyzed C?H Functionalization of Arenes with Alkynes. <b>2014</b> , 126, 3552-3555	48
1133	Dehydrierende Kreuzkupplungen von C-H-Bindungen: vielseitige Verfahren zur Bildung von C-C-Bindungen. <b>2014</b> , 126, 76-103	370

1132	Carbon-hydrogen activation in China. <b>2015</b> , 58, 1245-1248	3
1131	Tuning the Reactivity of Radical through a Triplet Diradical Cu(II) Intermediate in Radical Oxidative Cross-Coupling. <b>2015</b> , 5, 15934	28
1130	Reactivity and Selectivity in Transition Metal-Catalyzed, Nondirected Arene Functionalizations. <b>2015</b> , 675-713	
1129	Chelate-Assisted Arene C⊞ Bond Functionalization. <b>2015</b> , 645-673	
1128	Manganese-Mediated Coupling Reaction of Vinylarenes and Aliphatic Alcohols. <b>2015</b> , 5, 15250	17
1127	Rhodium(III)-catalyzed Intramolecular ArH/ArH Coupling Directed by Carboxylic Group to Produce Dibenzofuran Carboxylic Acids. <b>2015</b> , 44, 1598-1600	12
1126	Synthesis of Thieno[3,2-b]benzofurans by Palladium-catalyzed Intramolecular Cℍ/Cℍ Coupling. <b>2015</b> , 44, 1125-1127	33
1125	Rhodium-catalyzed Direct Coupling of Benzothioamides with Alkenes and Alkynes through Directed CH Bond Cleavage. <b>2015</b> , 44, 1104-1106	49
1124	Rhodium-Catalyzed Direct CH Vinylation of Arenes To Access Styrenes with Vinyl Acetate as a Vinyl Source. <b>2015</b> , 2015, 6135-6140	17
1123	Domino Oxidative Cyclization of 2-Amino[acetophenones for the One-Pot Synthesis of Tryptanthrin Derivatives. <b>2015</b> , 2015, 8018-8022	16
1122	DDQ-mediated Direct C(sp3)?H Cyanation of Benzyl Ethers and 1,3-Diarylpropenes under Solvent-and Metal-free Conditions. <b>2015</b> , 357, 2453-2456	20
1121	Metal-Free Dehydrogenative DielsAlder Reactions of 2-Methyl-3-Alkylindoles with Dienophiles: Rapid Access to Tetrahydrocarbazoles, Carbazoles, and Heteroacenes. <b>2015</b> , 127, 9220-9224	23
1120	Dehydrogenative Carbontarbon Bond Formation Using Alkynyloxy Moieties as Hydrogen-Accepting Directing Groups. <b>2015</b> , 127, 11979-11982	5
1119	Cobalt(III)-Catalyzed Dehydrative [4+2] Annulation of Oxime with Alkyne by C-H and N-OH Activation. <b>2015</b> , 21, 15529-33	170
1118	Nitrative Cyclization of 1-Ethynyl-2-(vinyloxy)benzenes to Access 1-[2-(Nitromethyl)benzofuran-3-yl] Ketones Through Dioxygen Activation. <b>2015</b> , 357, 3332-3340	49
1117	Chiral II-Lactams by Enantioselective Palladium(0)-Catalyzed Cyclopropane Functionalizations. <b>2015</b> , 54, 11826-9	106
1116	Readily Removable Directing Group Assisted Chemo- and Regioselective C(sp(3))-H Activation by Palladium Catalysis. <b>2015</b> , 54, 13686-90	43
1115	Copper-Catalyzed Aerobic Decarboxylation/Ketooxygenation of Electron-Deficient Alkenes. <b>2015</b> , 21, 18580-3	17

1114	Connecting Direct C-H Arylation Reactions with Dye-Sensitized Solar Cells: A Shortcut to D-A-FA Organic Dyes. <b>2015</b> , 8, 3222-7	14
1113	Three-Component C1 Alkynylation of Tetrahydroisoquinolines Catalyzed by Silver Acetate. <b>2015</b> , 2015, 4615-4619	23
1112	Palladium-Assisted Aromatic Metamorphosis of Dibenzothiophenes into Triphenylenes. <b>2015</b> , 127, 7268-7272	29
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1110	Nickel N-heterocyclic carbene catalyzed C-C bond formation: a new route to aryl ketones. <b>2015</b> , 21, 8741-4	29
1109	Organocatalytic Enantioselective Oxidative C?H Alkenylation and Arylation of N-Carbamoyl Tetrahydropyridines and Tetrahydro-I-carbolines. <b>2015</b> , 127, 6110-6113	17
1108	Readily Removable Directing Group Assisted Chemo- and Regioselective C(sp3)?H Activation by Palladium Catalysis. <b>2015</b> , 127, 13890-13894	6
1107	Mechanochemical Rhodium(III)-Catalyzed C?H Bond Functionalization of Acetanilides under Solventless Conditions in a Ball Mill. <b>2015</b> , 127, 7522-7525	26
1106	Dehydrogenative TEMPO-Mediated Formation of Unstable Nitrones: Easy Access to N-Carbamoyl Isoxazolines. <b>2015</b> , 21, 12053-60	16
1105	Metal-Free Oxidative C-C Bond Formation through C-H Bond Functionalization. <b>2015</b> , 21, 14678-93	130
1104	Palladium-Catalyzed Arylation of Unactivated []-Methylene C(sp(3))-H and EC-H Bonds with an Oxazoline-Carboxylate Auxiliary. <b>2015</b> , 21, 17503-7	50
1103	Chiral 🛮 Lactams by Enantioselective Palladium (0)-Catalyzed Cyclopropane Functionalizations. <b>2015</b> , 127, 11992-11995	49
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1101	Rhodium(III)-Catalyzed ortho-Heteroarylation of Phenols through Internal Oxidative C-H Activation: Rapid Screening of Single-Molecular White-Light-Emitting Materials. <b>2015</b> , 54, 14008-12	125
1100	Electronically Matching CH Alkylation Strategies for the Synthesis of Heteroaryl Acetic Acid Derivatives. <b>2015</b> , 4, 1386-1391	14
1099	Rhodium(III)-Catalyzed ortho C?H Heteroarylation of (Hetero)aromatic Carboxylic Acids: A Rapid and Concise Access to Econjugated Poly-heterocycles. <b>2015</b> , 127, 7273-7276	31
1098	Activation of C?H Bonds through Oxidant-Free Photoredox Catalysis: Cross-Coupling Hydrogen-Evolution Transformation of Isochromans and 🛭 Keto Esters. <b>2015</b> , 21, 18080-4	80
1097	A Theoretical Probe of Mechanistic Trichotomy in RhIII-Catalyzed Annulation with Alkyne MIDA Boronates: Roles of Salt, Solvent, and Coupling Partner. <b>2015</b> , 2015, 4772-4781	10

1096	Silver-Catalyzed Aerobic Oxidative Decarboxylative Coupling of Arylpropiolic Acids with H-Phosphine Oxides: Mild and Facile Synthesis of I-Oxophosphine Oxides. <b>2015</b> , 2015, 4335-4339	33
1095	Palladium-Catalyzed Zinc-Amide-Mediated C-H Arylation of Fluoroarenes and Heteroarenes with Aryl Sulfides. <b>2015</b> , 21, 14703-7	31
1094	Palladium(0)/NHC-Catalyzed Reductive Heck Reaction of Enones: A Detailed Mechanistic Study. <b>2015</b> , 21, 18811-20	39
1093	Stereospecific Pd-Catalyzed Intermolecular C(sp(3))-C(sp) Cross-Coupling of Diarylmethyl Carbonates and Terminal Alkynes Under Base-Free Conditions. <b>2015</b> , 21, 16823-7	17
1092	Metal-Free Dehydrogenative Diels-Alder Reactions of 2-Methyl-3-Alkylindoles with Dienophiles: Rapid Access to Tetrahydrocarbazoles, Carbazoles, and Heteroacenes. <b>2015</b> , 54, 9092-6	63
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1090	Metal-Free Radical [2+2+1] Carbocyclization of Benzene-Linked 1,n-Enynes: Dual C(sp(3))-H Functionalization Adjacent to a Heteroatom. <b>2015</b> , 54, 9577-80	141
1089	Pd(OAc)2-catalyzed dehydrogenative C-H activation: An expedient synthesis of uracil-annulated 	6
1088	Rh(III)-catalyzed oxime ether-directed heteroarylation of arene through oxidative C-H/C-H cross-coupling. <b>2015</b> , 51, 6190-3	42
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1086	Copper-catalysed ring-opening trifluoromethylation of cyclopropanols. <b>2015</b> , 13, 7159-63	43
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1075	Tandem synthesis of pyrroloisoquinolines through 5-endo iodolactamization, oxidative functionalization and ⊞midoalkylation reaction. <b>2015</b> , 71, 4334-4343	3
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1071	Ligand-Controlled Divergent C-H Functionalization of Aldehydes with Enynes by Cobalt Catalysts. <b>2015</b> , 137, 16116-20	101
1070	Au-Catalyzed Cross-Coupling of Arenes via Double C-H Activation. <b>2015</b> , 137, 15636-9	145
1069	Merging Photoredox with Palladium Catalysis: Decarboxylative ortho-Acylation of Acetanilides with Exportant Exportant Exportant Property (2015), 17, 6198-201	129
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1032	Rhenium-catalysed dehydrogenative borylation of primary and secondary C(sp3)-H bonds adjacent to a nitrogen atom. <b>2015</b> , 51, 4583-6	26
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1026	Metal-free radical oxidative decarboxylation/cyclization of acyl peroxides and 2-isocyanobiphenyls. <b>2015</b> , 51, 3786-8	60
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940	Oxidative cross S⊞/S⊞ coupling: selective synthesis of unsymmetrical aryl tert-alkyl disulfanes. <b>2015</b> , 2, 677-680	37
939	Organocatalytic Enantioselective Oxidative C-H Alkenylation and Arylation of N-Carbamoyl Tetrahydropyridines and Tetrahydro-I-carbolines. <b>2015</b> , 54, 6012-5	79
938	Nickel-catalyzed reductive Heck type coupling of saturated alkyl halides with acrylates and oxabenzonorbornadiene. <b>2015</b> , 71, 2260-2266	22
937	Oxidative coupling of formamides with I-dicarbonyl compounds and the synthesis of 2-aminobenzothiazole using Cu(II)-functionalized Fe3O4 nanoparticles. <b>2015</b> , 56, 812-816	11
936	Generation of bis-acyl ketals from esters and benzyl amines under oxidative conditions. <b>2015</b> , 80, 3440-6	46
935	Peroxide promoted tunable decarboxylative alkylation of cinnamic acids to form alkenes or ketones under metal-free conditions. <b>2015</b> , 51, 7546-9	46

934	Iodine-catalyzed Cℍ/Sℍ oxidative coupling: from 1,3-diketones and thiophenols to ⊡dicarbonyl thioethers. <b>2015</b> , 5, 41493-41496	32
933	Palladium-assisted "aromatic metamorphosis" of dibenzothiophenes into triphenylenes. <b>2015</b> , 54, 7162-6	98
932	From-core and from-end direct C-H arylations: a step-saving new synthetic route to thieno[3,4-c]pyrrole-4,6-dione (TPD)-incorporated DFA-ED functional oligoaryls. <b>2015</b> , 21, 8754-7	6
931	Organocatalytic asymmetric C-H vinylation and arylation of N-acyl tetrahydroisoquinolines. <b>2015</b> , 17, 2396-9	58
930	Regiospecific Benzoylation of Electron-Deficient N-Heterocycles with Methylbenzenes via a Minisci-Type Reaction. <b>2015</b> , 80, 5625-32	51
929	Oxygen as an oxidant in palladium/copper-cocatalyzed oxidative C-H/C-H cross-coupling between two heteroarenes. <b>2015</b> , 58, 1292-1296	14
928	Rhenium-Catalyzed [4 + 1] Annulation of Azobenzenes and Aldehydes via Isolable Cyclic Rhenium(I) Complexes. <b>2015</b> , 17, 2434-7	85
927	Preparation of tertiary amines by the reaction of iminium ions derived from unsymmetrical aminals with zinc and magnesium organometallics. <b>2015</b> , 17, 2026-9	14
926	Oxidative Povarov reaction via sp <sup>®</sup> C-H oxidation of N-benzylanilines induced by catalytic radical cation salt: synthesis of 2,4-diarylquinoline derivatives. <b>2015</b> , 17, 1409-12	72
925	Access to biaryl sulfonamides by palladium-catalyzed intramolecular oxidative coupling and subsequent nucleophilic ring opening of heterobiaryl sultams with amines. <b>2015</b> , 17, 1296-9	55
924	I2-Catalyzed Aerobic Oxidative C(sp(3))-H Amination/C-N Cleavage of Tertiary Amine: Synthesis of Quinazolines and Quinazolinones. <b>2015</b> , 80, 5581-7	65
923	A convenient strategy to 2,4,5-triaryl and 2-alkyl-4,5-diaryl oxazole derivatives through silver-mediated oxidative C O cross coupling/cyclization. <b>2015</b> , 56, 3872-3876	20
922	Iodine-catalyzed radical oxidative annulation for the construction of dihydrofurans and indolizines. <b>2015</b> , 17, 2404-7	135
921	Mechanochemical Rhodium(III)-Catalyzed C-H Bond Functionalization of Acetanilides under Solventless Conditions in a Ball Mill. <b>2015</b> , 54, 7414-7	91
920	Cu-catalyzed oxidative Povarov reactions between N-alkyl N-methylanilines and saturated oxa- and thiacycles. <b>2015</b> , 51, 6625-8	46
919	Selective synthesis of alkylboronates by copper(I)-catalyzed borylation of allyl or vinyl arenes. <b>2015</b> , 80, 4142-7	21
918	A dehydrogenative cross-coupling reaction between aromatic aldehydes or ketones and dialkyl H-phosphonates for formyl or acylphenylphosphonates. <b>2015</b> , 13, 4466-72	14
917	Strained Dehydrogenative Ring Closure of Phenylcarbazoles. <b>2015</b> , 357, 945-949	14

916	PEGylated magnetic nanoparticles (PEG@Fe 3 O 4) as cost effective alternative for oxidative cyanation of tertiary amines via C H activation. <b>2015</b> , 498, 25-31	67
915	Direct Aerobic Carbonylation of C(sp[])-H and C(sp[])-H Bonds through Ni/Cu Synergistic Catalysis with DMF as the Carbonyl Source. <b>2015</b> , 137, 4924-7	190
914	Ni(II)/BINOL-catalyzed alkenylation of unactivated C(sp(3))-H bonds. <b>2015</b> , 51, 7899-902	76
913	Iron-Catalyzed	33
912	Iodine-DMSO promoted Cℍ (SP3) functionalization approach to ⊞etoamides. <b>2015</b> , 71, 3417-3421	32
911	Pd-catalyzed direct C2-acylation and C2,C7-diacylation of indoles: pyrimidine as an easily removable CH directing group. <b>2015</b> , 5, 28292-28298	23
910	Copper-Catalyzed ⊞enzylation of Enones via Radical-Triggered Oxidative Coupling of Two C⊞ Bonds. <b>2015</b> , 5, 2882-2885	61
909	Copper-Catalyzed Radical/Radical C(sp 3)-H/P-H Cross-Coupling: ⊕hosphorylation of Aryl Ketone O-Acetyloximes. <b>2015</b> , 54, 6604-7	184
908	Rhodium(III)-Catalyzed Direct Coupling of Arylphosphine Derivatives with Heterobicyclic Alkenes: A Concise Route to Biarylphosphines and Dibenzophosphole Derivatives. <b>2015</b> , 5, 6634-6639	80
907	TBHP/TFA mediated oxidative cross-dehydrogenative coupling of N-heterocycles with aldehydes. <b>2015</b> , 13, 11561-6	49
906	A mild and facile synthesis of aryl and alkenyl sulfides via copper-catalyzed deborylthiolation of organoborons with thiosulfonates. <b>2015</b> , 51, 16613-6	63
905	Selective remote C-H sulfonylation of aminoquinolines with arylsulfonyl chlorides via copper catalysis. <b>2015</b> , 51, 16928-31	109
904	Unified Protocol for Cobalt-Catalyzed Oxidative Assembly of Two Aryl Metal Reagents Using Oxygen as an Oxidant. <b>2015</b> , 80, 9856-67	15
903	Mechanistic Studies on the Palladium-Catalyzed Cross Dehydrogenative Coupling of P(O)B Compounds with Terminal Alkynes: Stereochemistry and Reactive Intermediates. <b>2015</b> , 34, 5095-5098	29
902	CoNC Catalyst for CC Coupling Reactions: On the Catalytic Performance and Active Sites. <b>2015</b> , 5, 6563-6572	205
901	Regioselective palladium(II)-catalyzed aerobic oxidative Heck-type C3 alkenylation of sulfocoumarins. <b>2015</b> , 2, 1621-1624	5
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899	TADDOL-based phosphorus(III)-ligands in enantioselective Pd(0)-catalysed C-H functionalisations. <b>2015</b> , 51, 17647-57	92

898	Copper-catalyzed intramolecular dehydrogenative cyclization: direct access to sensitive formyl-substituted imidazo[1,2-a]pyridines. <b>2015</b> , 5, 93631-93634	6
897	Copper-Catalyzed Oxidative C-H Amination of Tetrahydrofuran with Indole/Carbazole Derivatives. <b>2015</b> , 80, 11193-9	48
896	Visible-Light-Promoted Photoredox Syntheses of ⊞Epoxy Ketones from Styrenes and Benzaldehydes under Alkaline Conditions. <b>2015</b> , 17, 5260-3	59
895	Oxidative Difunctionalization of Alkynoates through Alkylation and Migration Decarboxylative Arylation. <b>2015</b> , 17, 5524-7	44
894	Lithium tert-Butoxide-Mediated Carboxylation Reactions of Unprotected Indoles and Pyrroles with Carbon Dioxide. <b>2015</b> , 90, 1196	12
893	Oxidative cross-coupling: an alternative way for CII bond formations. <b>2015</b> , 60, 1391-1394	13
892	One-Pot Synthesis of Polysubstituted Spirofluorene-Indene via Ru(II)-Catalyzed [3 + 2] Annulation and Intramolecular Friedel-Crafts Cyclization. <b>2015</b> , 80, 9973-9	16
891	A heterogeneous copper(l)-catalyzed aerobic oxidative cross-dehydrogenative coupling of terminal alkynes with thiols leading to alkynyl sulfides. <b>2015</b> , 56, 6463-6467	14
890	Copper-catalyzed aerobic oxidative coupling: From ketone and diamine to pyrazine. <b>2015</b> , 1, e1500656	19
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888	Photo-induced formation of cyclopropanols from Eketoamides via IPCH bond activation. <b>2015</b> , 56, 5991-5994	4
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886	Palladium(II)-Catalyzed Direct C-H Alkenylation of Thienothiophene and Related Fused Heteroarenes. <b>2015</b> , 17, 4384-7	24
885	Remote para-C-H Functionalization of Arenes by a D-Shaped Biphenyl Template-Based Assembly. <b>2015</b> , 137, 11888-91	239
884	Synthesis of 1,2,4-Triazoles via Oxidative Heterocyclization: Selective C-N Bond Over C-S Bond Formation. <b>2015</b> , 80, 9016-27	23
883	Synthesis of Multisubstituted Triphenylenes and Phenanthrenes by Cascade Reaction of o-lodobiphenyls or (Z)-I-Halostyrenes with o-Bromobenzyl Alcohols through Two Sequential C-C Bond Formations Catalyzed by a Palladium Complex. <b>2015</b> , 80, 9247-63	51
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881	Advances in visible light-mediated oxidative coupling reactions. <b>2015</b> , 36, 1428-1439	30

880	Mechanistic insights into cobalt(ii/iii)-catalyzed C-H oxidation: a combined theoretical and experimental study. <b>2015</b> , 6, 7059-7071	150
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874	A Co(II)-catalyzed aerobic intramolecular CD bond formation via selective (sp3)CH bond activation: facile access to dihydro-benzoxazinone derivatives. <b>2015</b> , 56, 482-484	23
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872	Silver-catalyzed arylation of (hetero)arenes by oxidative decarboxylation of aromatic carboxylic acids. <b>2015</b> , 54, 2199-203	158
871	Rhodium(III)-catalyzed C7-position C-H alkenylation and alkynylation of indolines. <b>2015</b> , 51, 2532-5	89
870	Preparation of 3-Acyl-4-arylcoumarins via Metal-Free Tandem Oxidative Acylation/Cyclization between Alkynoates with Aldehydes. <b>2015</b> , 80, 148-55	85
869	Copper-catalyzed oxidative coupling of acids with alkanes involving dehydrogenation: facile access to allylic esters and alkylalkenes. <b>2015</b> , 51, 2361-3	59
868	Silver-mediated selective oxidative cross-coupling between C-H/P-H: a strategy to construct alkynyl(diaryl)phosphine oxide. <b>2015</b> , 17, 118-21	57
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866	Silver-catalyzed C(sp2)-H functionalization/C-O cyclization reaction at room temperature. <b>2015</b> , 80, 911-9	71
865	Palladium-catalyzed ortho-sulfonylation of 2-aryloxypyridines and subsequent formation of ortho-sulfonylated phenols. <b>2015</b> , 80, 1269-74	65
864	Direct regioselective oxidative cross-coupling of indoles with methyl ketones: a novel route to C3-dicarbonylation of indoles. <b>2015</b> , 17, 134-7	60
863	Application of two direct C(sp3)-H functionalizations for total synthesis of (+)-lactacystin. <b>2015</b> , 17, 90-3	35

862	Copper-catalyzed C-H functionalization reactions: efficient synthesis of heterocycles. <i>Chemical Reviews</i> , <b>2015</b> , 115, 1622-51	68.1	701
861	Palladium-Catalyzed Belective Alkenylation of Imidazo[1,2-a]pyridines through Aerobic Cross-Dehydrogenative Coupling Reaction. <b>2015</b> , 2015, 715-718		42
860	Copper-catalyzed oxidative alkenylation of thioethers via Csp(3)-H functionalization. <b>2015</b> , 13, 2264-6		21
859	Selective formation of CN and CN bonds via C(sp3)H activation of isochroman in the presence of DTBP. <b>2015</b> , 2, 60-64		14
858	Coupling of carboxylic acids with internal alkynes by supported ruthenium catalysts: direct and selective syntheses of multi-substituted phthalide derivatives. <b>2015</b> , 51, 1654-7		27
857	Chloroacetate-promoted selective oxidation of heterobenzylic methylenes under copper catalysis. <b>2015</b> , 54, 1261-5		101
856	Metal-free oxidative C(sp(3))-H bond functionalization of alkanes and alkylation-initiated radical 1,2-aryl migration in ⊞diaryl allylic alcohols. <b>2015</b> , 51, 599-602		79
855	Facile synthesis of 6-acylated pyrido[2,1-a]isoindoles from 2-arylpyridines and 🛭 substituted tert-propargyl alcohols via rhodium-catalyzed C-H bond activation and 🗗 carbon elimination. <b>2015</b> , 17, 1348		2
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852	Chemoselective activation of sp(3) vs sp(2) C-H bonds with Pd(II). 2015, 137, 18-21		81
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848	Oxidative radical 1,2-alkylarylation of alkenes with $\mathbb{C}(sp(3))$ -H bonds of acetonitriles involving 1,2-aryl migration. <b>2015</b> , 51, 1024-6		82
847	Copper(I)-promoted cycloalkylation-peroxidation of unactivated alkenes via sp(3) C-H functionalisation. <b>2015</b> , 13, 1307-12		35
846	Oxidative Coupling of Alkenes with Aldehydes and Hydroperoxides: One-Pot Synthesis of 2,3-Epoxy Ketones. <b>2015</b> , 357, 59-63		36
845	Synthesis of unsymmetrical phenylurea derivatives via oxidative cross coupling of aryl formamides with amines under metal-free conditions. <b>2015</b> , 39, 805-809		23

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	Synthesis of 2-oxindoles via 'transition-metal-free' intramolecular dehydrogenative coupling (IDC)	
834	Synthesis of 2-oxindoles via 'transition-metal-free' intramolecular dehydrogenative coupling (IDC) of sp(2) C-H and sp(3) C-H bonds. <b>2016</b> , 12, 1153-1169  Cascade alkylarylation of substituted N-allylbenzamides for the construction of	12
834	Synthesis of 2-oxindoles via 'transition-metal-free' intramolecular dehydrogenative coupling (IDC) of sp(2) C-H and sp(3) C-H bonds. <b>2016</b> , 12, 1153-1169  Cascade alkylarylation of substituted N-allylbenzamides for the construction of dihydroisoquinolin-1(2H)-ones and isoquinoline-1,3(2H,4H)-diones. <b>2016</b> , 12, 301-8  Pd(II)-catalyzed direct functionalization of CH bonds of benzamides for synthesis of	12
8 <sub>34</sub> 8 <sub>33</sub> 8 <sub>32</sub>	Synthesis of 2-oxindoles via 'transition-metal-free' intramolecular dehydrogenative coupling (IDC) of sp(2) C-H and sp(3) C-H bonds. 2016, 12, 1153-1169  Cascade alkylarylation of substituted N-allylbenzamides for the construction of dihydroisoquinolin-1(2H)-ones and isoquinoline-1,3(2H,4H)-diones. 2016, 12, 301-8  Pd(II)-catalyzed direct functionalization of CH bonds of benzamides for synthesis of 1,1-difluoro-1-alkenes. 2016, 3, 1080-1083  Intramolecular oxidative palladium-catalyzed diamination reactions of alkenyl sulfamates: an	12 23 14
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825	Copper(II) Triflate-Catalyzed Aerobic Oxidative C?H Functionalization of Glycine Derivatives with Olefins and Organoboranes. <b>2016</b> , 358, 919-925	49
824	An Improved Catalyst for Iodine(I/III)-Catalysed Intermolecular C?H Amination. <b>2016</b> , 358, 2093-2099	22
823	Oxidative Coupling of Aryl Boron Reagents with sp(3)-Carbon Nucleophiles: The Enolate Chan-Evans-Lam Reaction. <b>2016</b> , 55, 1894-8	26
822	Towards Uniform Iodine Catalysis: Intramolecular C-H Amination of Arenes under Visible Light. <b>2016</b> , 22, 9929-32	39
821	Organo- and Organometallic-Catalytic Intramolecular [1,5]-Hydride Transfer/Cyclization Process through C(sp(3))-H Bond Activation. <b>2016</b> , 16, 1191-203	84
820	Transition-metal-catalyzed Chelation-assisted C-H Functionalization of Aromatic Substrates. <b>2016</b> , 16, 886-96	31
819	High-Valent-Cobalt-Catalyzed Cℍ Functionalization Based on Concerted MetalationDeprotonation and Single-Electron-Transfer Mechanisms. <b>2016</b> , 8, 1242-1263	238
818	Rhodium-Catalysed Enantioselective CH Functionalization in Asymmetric Synthesis. 2016, 2016, 1459-1475	42
817	Pd-Catalyzed Late-Stage Monoacetoxylation and Monoiodination of 4-Alkyl-1,5-diaryl-1 H-pyrazole-3-carboxylates via Direct Csp2H Bond Activation. <b>2016</b> , 5, 499-505	9
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815	Functionalization of tetra- and octahydroacridine derivatives through Michael addition. <b>2016</b> , 57, 3485-3487	6
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812	Mild and Efficient Palladium-Catalyzed Direct Trifluoroethylation of Aromatic Systems by CE Activation. <b>2016</b> , 128, 2028-2032	11
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810	Synthesis of Mesoionic Isoquinolines by Rhodium(III)-Catalyzed C-H Activation. <b>2016</b> , 22, 907-10	15
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806	Synthesis of 3-Benzazepines by Metal-Free Oxidative Cℍ Bond FunctionalizationRing Expansion Tandem Reaction. <b>2016</b> , 358, 4049-4056		22
805	Reaction of Glycals with Organic Peroxides: Synthesis of 2-iodo, 2-Deoxy and 2,3-Unsaturated Glycosides. <b>2016</b> , 1, 6553-6557		2
804	Synthesis of (pentafluorophenyl)benzenes via Pd-catalyzed Cℍ arylation of pentafluorobenzene with aryliodine diacetates. <b>2016</b> , 13, 1931-1936		3
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802	Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis. <i>Chemical Reviews</i> , <b>2016</b> , 116, 3722-811	68.1	1452
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798	"One-Pot" Approach to 8-Acylated 2-Quinolinones via Palladium-Catalyzed Regioselective Acylation of Quinoline N-Oxides. <b>2016</b> , 18, 2411-4		56
797	A mechanistic insights into manganese-catalyzed oxidative homocoupling reactions of Grignard reagents: A computational DFT investigation. <b>2016</b> , 814, 25-34		9
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794	Palladium catalyzed regioselective B-C(sp) coupling direct cage B-H activation: synthesis of B(4)-alkynylated -carboranes. <b>2016</b> , 7, 5838-5845		82
793	Highly Ligand-Controlled Regioselective Pd-Catalyzed Aminocarbonylation of Styrenes with Aminophenols. <b>2016</b> , 138, 6629-35		98
792	Regiodivergent Cross-Dehydrogenative Coupling of Pyridines and Benzoxazoles: Discovery of Organic Halides as Regio-Switching Oxidants. <b>2016</b> , 18, 2415-8		56
791	Iodine-Promoted Oxidative Cross-Coupling of Unprotected Anilines with Methyl Ketones: A Site-Selective Direct C-H Bond Functionalization to C4-Dicarbonylation of Anilines. <b>2016</b> , 18, 2507-10		50

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787	Efficient nickel-catalyzed phosphinylation of C-S bonds forming C-P bonds. <b>2016</b> , 52, 12233-12236	57
786	Nickel Catalysis Enables Oxidative C(sp(2))-H/C(sp(2))-H Cross-Coupling Reactions between Two Heteroarenes. <b>2016</b> , 55, 12275-9	62
785	Nickel Catalysis Enables Oxidative C(sp2)⊞/C(sp2)⊞ Cross-Coupling Reactions between Two Heteroarenes. <b>2016</b> , 128, 12463-12467	14
7 <sup>8</sup> 4	Iron-Catalyzed 🗗 Arylation of Deoxybenzoins with Arenes through an Oxidative Dehydrogenative Approach. <b>2016</b> , 18, 4754-7	18
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781	Synthesis, Structure and Reactivity of Cyclometalated Nickel(II) Complexes: A Review and Perspective. <b>2016</b> , 86, 533-549	11
78o	Regioselective Synthesis of Benzo[b]phosphole Derivatives via Direct ortho-Alkenylation and Cyclization of Arylthiophosphinamides. <b>2016</b> , 18, 5436-5439	32
779	Advances in theoretical study on transition-metal-catalyzed CH activation. 2016, 59, 1448-1466	42
778	Highly Enantioselective Allylic C-H Alkylation of Terminal Olefins with Pyrazol-5-ones Enabled by Cooperative Catalysis of Palladium Complex and Brüsted Acid. <b>2016</b> , 138, 14354-14361	129
777	Cu(i)-Catalyzed oxidative homo-coupling of thiazoline-4-carboxylates: synthesis of 4,4'-bithiazoline derivatives. <b>2016</b> , 14, 8030-4	2
776	Organocatalytic Enantioselective Cross-Dehydrogenative Coupling of N-Carbamoyl Cyclic Amines with Aldehydes. <b>2016</b> , 18, 3944-7	51
775	Iodine-Catalyzed Cross Dehydrogenative Coupling Reaction: A Regioselective Sulfenylation of Imidazoheterocycles Using Dimethyl Sulfoxide as an Oxidant. <b>2016</b> , 81, 7838-46	73
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773	Advances in the development of catalytic tethering directing groups for C-H functionalization reactions. <b>2016</b> , 14, 8389-97	58

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770	Direct Construction of 4-Hydroxybenzils via Para-Selective C-C Bond Coupling of Phenols and Aryl Methyl Ketones. <b>2016</b> , 18, 4360-3	34
769	Copper-Catalyzed Cascade Amination Route to N-Aryl Benzimidazoquinazolinones. <b>2016</b> , 81, 10424-10432	17
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766	Photocatalytic Hydrogen-Evolution Cross-Couplings: Benzene C-H Amination and Hydroxylation. <b>2016</b> , 138, 10080-3	198
765	Nickel-Catalyzed Ortho-Arylation of Unactivated (Hetero)aryl C-H Bonds with Arylsilanes Using a Removable Auxiliary. <b>2016</b> , 18, 4586-9	58
764	Ruthenium-Catalyzed Cross-Coupling of Maleimides with Alkenes. <b>2016</b> , 18, 4598-601	24
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761	Bonding Including Heteroatoms via Oxidative Coupling. <b>2016</b> , 139-183	
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748	Iron(III)-Catalyzed Peroxide-Mediated C-3 Functionalization of Flavones. <b>2016</b> , 358, 3471-3476	24
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744	Concise Synthesis of Fungal Metabolite (+)-Fusarochromanone via Rhodium(III)-catalyzed Oxidative sp2CH Bond Olefination. <b>2016</b> , 45, 1177-1179	10
743	A practical oxidative C-H functionalization of N-carbamoyl tetrahydro-D-carbolines with diverse potassium trifluoroborates. <b>2016</b> , 14, 9431-9438	7
742	Homocoupling of heteroaryl/aryl/alkyl Grignard reagents: I2-promoted, or Ni- or Pd- or Cu- or nano-Fe-based salt catalyzed. <b>2016</b> , 6, 86998-87002	7
741	Recent advances in dual transition metal lisible light photoredox catalysis. <b>2016</b> , 57, 4505-4513	58
740	Cobalt-Catalyzed Oxidative C⊞/C⊞ Cross-Coupling between Two Heteroarenes. <b>2016</b> , 128, 10570-10574	20
739	Cobalt-Catalyzed Oxidative C-H/C-H Cross-Coupling between Two Heteroarenes. <b>2016</b> , 55, 10414-8	102
738	A Metal-Free Oxidative Cross-Dehydrogenative Coupling of N-Aryl Tetrahydroisoquinolines and 2-Methylazaarenes Using a Recyclable Oxoammonium Salt as Oxidant in Aqueous Media. <b>2016</b> , 2016, 3559-3567	14
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734	Synthesis of Difluorinated Enynes through Sonogashira-Type Coupling. <b>2016</b> , 18, 5688-5691	17
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730	Unactivated C(sp)-H Bond Functionalization of Alkyl Nitriles with Vinylarenes and Mechanistic Studies. <b>2016</b> , 18, 5986-5989	41
729	Iodine Promoted Regioselective Ebulfenylation of Carbonyl Compounds using Dimethyl Sulfoxide as an Oxidant. <b>2016</b> , 18, 6090-6093	50
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727	Transition metal-free decarboxylative alkylation reactions. <b>2016</b> , 14, 10763-10777	56
727 726	Transition metal-free decarboxylative alkylation reactions. <b>2016</b> , 14, 10763-10777  Cross-Dehydrogenative-Coupling of Alkoxybenzenes with Toluenes: Copper(II) Halide Mediated Tandem Halo/Benzylation of Arenes. <b>2016</b> , 22, 18169-18178	56 7
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716	Copper-Catalyzed Aerobic Enantioselective Cross-Dehydrogenative Coupling of N-Aryl Glycine Esters with Terminal Alkynes. <b>2016</b> , 18, 2982-5	74
715	ortho-Heteroarylation of Azobenzenes by Rh-Catalyzed Cross-Dehydrogenative Coupling: An Approach to Conjugated Biaryls. <b>2016</b> , 18, 3110-3	41
714	Recent advances in copper-mediated chelation-assisted functionalization of unactivated CH bonds. <b>2016</b> , 3, 1028-1047	188
713	The Stabilized Cation Pool Method: Metal- and Oxidant-Free Benzylic C-H/Aromatic C-H Cross-Coupling. <b>2016</b> , 138, 8400-3	150
712	Redox-Divergent Hydrogen-Retentive or Hydrogen-Releasing Synthesis of 3,4-Dihydroisoquinolines or Isoquinolines. <b>2016</b> , 18, 2840-3	38
711	Highly efficient and recyclable magnetic nanoparticles-supported gold(III)-bipy catalyst for oxidative Eyanation of tertiary amines. <b>2016</b> , 72, 4059-4067	33
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687	Spirocyclic Sultam and Heterobiaryl Synthesis through Rh-Catalyzed Cross-Dehydrogenative Coupling of N-Sulfonyl Ketimines and Thiophenes or Furans. <b>2016</b> , 18, 1088-91	50
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677	Directly Oxidative Cross-Coupling between Alkenylzirconocene and Alkynylcopper Reagents. <b>2016</b> , 35, 1415-1419	3
676	Activation of CH Activation: The Beneficial Effect of Catalytic Amount of Triaryl Boranes on Palladium-Catalyzed CH Activation. <b>2016</b> , 35, 741-746	15
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670	Copper-Catalyzed Coupling of Oxime Acetates with Isothiocyanates: A Strategy for 2-Aminothiazoles. <b>2016</b> , 18, 180-3	82
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668	[3 + 2]-Annulations of N-Hydroxy Allenylamines with Nitrosoarenes: One-Pot Synthesis of Substituted Indole Products. <b>2016</b> , 18, 412-5	29
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665	Copper-catalyzed direct C-H fluoroalkenylation of heteroarenes. <b>2016</b> , 14, 353-7	12

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663	Metal-free tandem oxidative C(sp(3))-H bond functionalization of alkanes and dearomatization of N-phenyl-cinnamamides: access to alkylated 1-azaspiro[4.5]decanes. <b>2016</b> , 52, 477-80	33
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658	Palladium-catalyzed aerobic (1+2) annulation of Csp-H bonds with olefin for the synthesis of 3-azabicyclo[3.1.0]hex-2-ene. <b>2017</b> , 53, 2294-2297	6
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656	Heterogeneous cobalt catalysts for selective oxygenation of alcohols to aldehydes, esters and nitriles. <b>2017</b> , 7, 1498-1503	20
655	Pd-catalyzed ortho-olefination of aromatic acetyl esters. <b>2017</b> , 28, 517-520	3
654	Gold-Catalyzed Direct Oxidative Arylation with Boron Coupling Partners. 2017, 129, 1041-1045	27
653	Rhodium(III)-Catalyzed Ortho Halogenations of N-Acylsulfoximines and Synthetic Applications toward Functionalized Sulfoximine Derivatives. <b>2017</b> , 19, 726-729	38
652	Photo-induced oxidant-free oxidative C-H/N-H cross-coupling between arenes and azoles. <b>2017</b> , 8, 14226	141
651	Synthesis of 8-azaprotosappanin A derivatives via intramolecular palladium-catalyzed ortho C-H activation/C-C cyclization and their antibacterial activity. <b>2017</b> , 15, 1956-1960	
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649	Cu-mediated oxidative trifluoromethylthiolation of arylboronic acids with (bpy)CuSCF3. <b>2017</b> , 194, 73-79	11
648	Oxidative C-H/C-H Coupling Reactions between Two (Hetero)arenes. <i>Chemical Reviews</i> , <b>2017</b> , 117, 8787- <b>68.</b> 63	725
647	Cobalt(II)-Catalyzed Oxidative C-H Arylation of Indoles and Boronic Acids. <b>2017</b> , 19, 596-599	77

646	TBHP Promoted Cross-Dehydrogenative coupling (CDC) Reaction: Metal/Additive-Free Synthesis of Chromone-Fused Quinolines. <b>2017</b> , 2, 1207-1210	18
645	Charge-Transfer-Induced para-Selective sp C-H Bond Activation of Arenes by Use of a Hypervalent Iodine Compound: A Theoretical Study. <b>2017</b> , 82, 2984-2991	23
644	Iodine-Catalyzed Cross Dehydrogenative Coupling Reaction: Sulfenylation of Enaminones Using Dimethyl Sulfoxide as an Oxidant. <b>2017</b> , 82, 3084-3093	55
643	Photocatalytic Cross-Dehydrogenative Amination Reactions between Phenols and Diarylamines. <b>2017</b> , 7, 2446-2451	67
642	Visible-light-induced dual CII bond formation via selective C(sp3)⊞ bond cleavage: efficient access to alkylated oxindoles from activated alkenes and simple ethers under metal-free conditions. <b>2017</b> , 19, 1732-1739	48
641	Theoretical prediction on the synthesis of 2,3-dihydropyridines through Co(III)-catalysed reaction of unsaturated oximes with alkenes. <b>2017</b> , 117, e25353	1
640	Copper-catalyzed aerobic oxidative coupling of o-phenylenediamines with 2-aryl/heteroarylethylamines: direct access to construct quinoxalines. <b>2017</b> , 15, 2259-2268	13
639	TBHP-promoted direct oxidation reaction of benzylic Csp3⊞ bonds to ketones. <b>2017</b> , 7, 15176-15180	39
638	Direct vinylogous oxidative cross-dehydrogenative coupling of 4-nitroisoxazoles with N-aryl tetrahydroisoquinolines in water under air conditions. <b>2017</b> , 7, 1229-1232	13
637	Nickel-Catalyzed Stereoselective Alkenylation of C(sp)-H Bonds with Terminal Alkynes. <b>2017</b> , 19, 850-853	43
636	Temperature-controlled solvent-free selective synthesis of tert-butyl peresters or acids from benzyl cyanides in the presence of the TBHP/Cu(OAc)2 system. <b>2017</b> , 7, 7619-7622	17
635	Gold-Oxazoline Complex-Catalyzed Cross-Dehydrogenative Coupling of Glycine Derivatives and Alkenes. <b>2017</b> , 359, 824-831	25
634	nBuNI-Mediated oxidation of methyl ketones to liketoamides: using ammonium, primary and secondary amine-salt as an amine moiety. <b>2017</b> , 15, 3427-3434	16
633	Metal-Catalyzed Decarboxylative C-H Functionalization. <i>Chemical Reviews</i> , <b>2017</b> , 117, 8864-8907 68.1	510
632	Catalytic Asymmetric Electrochemical Oxidative Coupling of Tertiary Amines with Simple Ketones. <b>2017</b> , 19, 2122-2125	109
631	Oxidative 1,2-carboamination of alkenes with alkyl nitriles and amines toward Damino alkyl nitriles. <b>2017</b> , 8, 14720	119
630	Theoretical Elucidation of Potential Enantioselectivity in a Pd-Catalyzed Aromatic C-H Coupling Reaction. <b>2017</b> , 82, 4900-4906	12
629	Regio- and Diastereoselective Cross-Dehydrogenative Coupling of Tetrahydropyridines with 1,3-Dicarbonyl Compounds. <b>2017</b> , 19, 2146-2149	24

628	Recent Advances in Functionalization of £C(sp3)£ Centres in Inactivated Ethers through Cross Dehydrogenative Coupling. <b>2017</b> , 2017, 3739-3762	42
627	Dehydrogenative cross-coupling of o-carborane with thiophenes via Ir-catalyzed regioselective cage B-H and C(sp)-H activation. <b>2017</b> , 53, 4818-4821	59
626	Iron Phosphate Catalyzed Asymmetric Cross-Dehydrogenative Coupling of 2-Naphthols with [] Ketoesters. <b>2017</b> , 19, 2917-2920	39
625	A deciduous directing group approach for the addition of aryl and vinyl nucleophiles to maleimides. <b>2017</b> , 53, 6251-6254	57
624	Stepwise Crosslinking: A Facile Yet Versatile Conceptual Strategy to Nanomorphology-Persistent Porous Organic Polymers. <b>2017</b> , 29, 1700723	40
623	Direct CII coupling of acetone at position into 2,5-hexanedione induced by photochemical oxidation dehydrogenation. <b>2017</b> , 41, 4750-4753	6
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621	Nickel-catalyzed oxidative esterification of formamides with 1,3-dicarbonyl compounds under mild reaction conditions. <b>2017</b> , 31, e3855	2
620	Convenient Access to C4-Dicarbonylation of Anilines by Iodine-Promoted Oxidative Cross-Coupling Reactions. <b>2017</b> , 6, 1398-1401	3
619	Metal-free decarboxylative acylation of isoquinolines using Eketo acids in water. <b>2017</b> , 58, 2347-2350	21
618	Ni-Catalyzed Reductive Cross-Coupling of Amides with Aryl Iodide Electrophiles via C-N Bond Activation. <b>2017</b> , 19, 2536-2539	80
617	Nickel-Catalyzed Directed C6-Selective C-H Alkylation of 2-Pyridones with Dienes and Activated Alkenes. <b>2017</b> , 82, 5337-5344	29
616	Mechanochemical indole synthesis by rhodium-catalysed oxidative coupling of acetanilides and alkynes under solventless conditions in a ball mill. <b>2017</b> , 19, 2520-2523	62
615	Pd(II)-Catalyzed oxidative dearomatization of indoles: substrate-controlled synthesis of indolines and indolones. <b>2017</b> , 4, 292-296	14
614	Boronic Acid Mediated Coupling of Catechols and N-Hydroxylamines: A Bioorthogonal Reaction to Label Peptides. <b>2017</b> , 19, 3179-3182	23
613	Metal-Free Direct Alkylation of Ketene Dithioacetals by Oxidative C(sp )-H/C(sp )-H Cross-Coupling. <b>2017</b> , 23, 8814-8817	18
612	Recent Advances in Radical C-H Activation/Radical Cross-Coupling. <i>Chemical Reviews</i> , <b>2017</b> , 117, 9016-90851	730
611	Copper-catalyzed radical cascade oxyalkylation of olefinic amides with simple alkanes: highly efficient access to benzoxazines. <b>2017</b> , 53, 7961-7964	19

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605	Iodine-catalyzed sulfenylation of pyrazolones using dimethyl sulfoxide as an oxidant. <b>2017</b> , 15, 5191-5196	36
604	Palladium-Catalyzed CII Activation: Mass Spectrometric Approach to Reaction Kinetics in Solution. <b>2017</b> , 36, 2072-2080	19
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602	Manganese-Mediated Homolytic Aromatic Substitution with Phosphinylidenes. <b>2017</b> , 17, 1203-1212	12
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600	Copper(ii)-promoted oxidative C-H/C-H cross-coupling for rapid access to aza-BODIPY-indole derivatives with broad optical absorption. <b>2017</b> , 15, 6888-6891	5
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595	Transformations of Di- and Tetrahydropyrimidine Derivatives into Condensed Heterocycles with Retention of their Partially Saturated Structure. <b>2017</b> , 54, 2129-2154	3
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587	An Articulate Oxidative Transition-Metal-Free Homocoupling of Imidazo Heterocycles through C(sp2) (Sp2) Bond Formation. <b>2017</b> , 2017, 2596-2602	15
586	TEMPO-Catalyzed Electrochemical CH Thiolation: Synthesis of Benzothiazoles and Thiazolopyridines from Thioamides. <b>2017</b> , 7, 2730-2734	145
585	New Horizons of Process Chemistry. <b>2017</b> ,	6
584	Visible-Light-Promoted C-H Arylation by Merging Palladium Catalysis with Organic Photoredox Catalysis. <b>2017</b> , 82, 3622-3630	49
583	Highly efficient heterogeneous aerobic oxidative CLI coupling from Csp3H bonds by a magnetic nanoparticle-immobilized bipyBold(III) catalyst. <b>2017</b> , 7, 1744-1755	22
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581	Oxidative Coupling in Complexity Building Transforms. <b>2017</b> , 50, 638-643	55
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578	Visible-Light-Mediated Two-Fold Unsymmetrical C(sp )-H Functionalization and Double C-F Substitution. <b>2017</b> , 23, 2249-2254	61
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576	Novel dinuclear and trinuclear ruthenium clusters derived from 2-aryl-substituted indenylphosphines via C-H bond cleavage. <b>2017</b> , 31, e3670	3
575	Synthesis of diverse heterocycles via one-pot cascade cross-dehydrogenative-coupling (CDC)/cyclization reaction. <b>2017</b> , 4, 386-391	20

574	Oxidative Divergent Bicyclizations of 1,n-Enynes through ⊞(sp3)⊞ Functionalization of Alkyl Nitriles. <b>2017</b> , 359, 120-129	36
573	Recent progress in mild Csp-H bond dehydrogenative or (mono-) oxidative functionalization. <b>2017</b> , 15, 1294-1312	53
572	Photocatalytic Dehydrogenative Cross-Coupling of Alkenes with Alcohols or Azoles without External Oxidant. <b>2017</b> , 56, 1120-1124	122
571	Photocatalytic Dehydrogenative Cross-Coupling of Alkenes with Alcohols or Azoles without External Oxidant. <b>2017</b> , 129, 1140-1144	31
570	Palladium/Copper Co-catalyzed Oxidative C-H/C-H Carbonylation of Diphenylamines: A Way To Access Acridones. <b>2017</b> , 19, 94-97	42
569	Gold-Catalyzed Direct Oxidative Arylation with Boron Coupling Partners. <b>2017</b> , 56, 1021-1025	73
568	Direct ortho-Trifluoroethylation of Aromatic Ureas by Palladium Catalyzed C-H activation: A Missing Piece of Aromatic Substitutions. <b>2017</b> , 359, 527-532	32
567	Copper nitrate-catalyzed oxidative coupling of unactivated C(sp)-H bonds of ethers and alkanes with N-hydroxyphthalimide: synthesis of N-hydroxyimide esters. <b>2017</b> , 15, 9875-9879	18
566	Copper-Catalyzed Chelation-Assisted ortho-Nitration of 2-Aryls Using Pharmacophoric Benzothiazoles and Benzoxazoles as Directing Groups. <b>2017</b> , 2017, 7127-7132	14
565	Ruthenium-Catalyzed C-H Benzoxylation of tert-Benzamides with Aromatic Acids by Weak Coordination. <b>2017</b> , 82, 12691-12700	20
564	Silver-Induced C(まp3)日 Activation of Benzylamines Followed by [1,5]- versus [1,3]-Rearrangement: A Strategy towards the Regioselective Synthesis of Spiro-Dihydropyrroles. <b>2017</b> , 2017, 6299-6313	8
563	Redox-Active Bis(phenolate) N-Heterocyclic Carbene [OCO] Pincer Ligands Support Cobalt Electron Transfer Series Spanning Four Oxidation States. <b>2017</b> , 56, 12421-12435	34
562	Organopromoted Selectivity-Switchable Synthesis of Polyketones. <b>2017</b> , 19, 5593-5596	22
561	Rh(III)-Catalyzed Direct ortho-Chalcogenation of Phenols and Anilines. <b>2017</b> , 82, 12430-12438	34
560	Microwave-assisted synthesis of hydroxyl-containing isoquinolines by metal-free radical cyclization of vinyl isocyanides with alcohols. <b>2017</b> , 15, 10044-10052	13
559	Metal/Porous Carbon Composites for Heterogeneous Catalysis: Old Catalysts with Improved Performance Promoted by N-Doping. <b>2017</b> , 7, 8090-8112	265
558	Enantioselective Rh- or Ir-catalyzed Directed C(sp3) Borylation with Phosphoramidite Chiral Ligands. <b>2017</b> , 46, 1747-1750	37
557	H-Bonding-promoted radical addition of simple alcohols to unactivated alkenes. <b>2017</b> , 19, 5230-5235	21

556	Oxidative Rearrangement Coupling Reaction for the Functionalization of Tetrahydro-I-carbolines with Aromatic Amines. <b>2017</b> , 129, 15164-15168	6
555	Oxidative Rearrangement Coupling Reaction for the Functionalization of Tetrahydro-Dcarbolines with Aromatic Amines. <b>2017</b> , 56, 14968-14972	28
554	Iron(iii)-catalyzed chelation assisted remote C-H bond oxygenation of 8-amidoquinolines. <b>2017</b> , 15, 9200-9208	3 20
553	Access to Chiral Hydropyrimidines through Palladium-Catalyzed Asymmetric Allylic C-H Amination. <b>2017</b> , 56, 16032-16036	49
552	Oxidative C-H functionalization of N-carbamoyl 1,2-dihydroquinolines. <b>2017</b> , 15, 7600-7606	5
551	Graphene Oxide as Metal-Free Catalyst in Oxidative Dehydrogenative CN Coupling Leading to Exercise Exercises: Importance of Dual Catalytic Activity. <b>2017</b> , 5, 9286-9294	52
550	Palladium(II)-Porphyrin Complexes as Efficient and Eco-Friendly Catalysts for Mizoroki-Heck Coupling. <b>2017</b> , 2, 7394-7398	9
549	Mechanisms of Csp 3 -H functionalization of ethyl 2-(methyl(p-tolyl)amino)acetate: A theoretical investigation. <b>2017</b> , 1118, 144-152	8
548	Rhodium-catalyzed odorless synthesis of diaryl sulfides from borylarenes and S-aryl thiosulfonates. <b>2017</b> , 53, 10640-10643	45
547	Visible light-promoted metal-free intramolecular cross dehydrogenative coupling approach to 1,3-oxazines. <b>2017</b> , 58, 4006-4010	20
546	Visible light-induced C⊞ sulfenylation using sulfinic acids. <b>2017</b> , 19, 4785-4791	95
545	Elemental sulfur as a sulfuration agent in the copper-catalyzed C-H bond thiolation of electron-deficient arenes. <b>2017</b> , 15, 8276-8279	15
544	Potassium Hydroxide-Catalyzed Alkynylation of Heteroaromatic N-Oxides with Terminal Alkynes. <b>2017</b> , 359, 3922-3926	21
543	Cobalt-Catalyzed Cross-Dehydrogenative C(sp )-C(sp ) Coupling of Oxazole/Thiazole with Ether or Cycloalkane. <b>2017</b> , 12, 2799-2803	22
542	Synthesis of 3-(2-Olefinbenzyl)-4H-chromen-4-one through Cyclobenzylation and Catalytic C-H Bond Functionalization Using Palladium(II). <b>2017</b> , 82, 10855-10865	16
541	Copper-Catalyzed C(sp3)⊞/C(sp3)⊞ Cross-Dehydrogenative Coupling with Internal Oxidants: Synthesis of 2-Trifluoromethyl-Substituted Dihydropyrrol-2-ols. <b>2017</b> , 129, 13509-13513	12
540	Copper-Catalyzed C(sp )-H/C(sp )-H Cross-Dehydrogenative Coupling with Internal Oxidants: Synthesis of 2-Trifluoromethyl-Substituted Dihydropyrrol-2-ols. <b>2017</b> , 56, 13324-13328	57
539	Cs2CO3-promoted carbonBulfur bond construction via cross dehydrogenative coupling of thiophenols with acetonitrile. <b>2017</b> , 58, 3928-3931	9

538	Oxidative Homocoupling Reaction of Aryltrimethylsilanes by Pd/o-Chloranil Catalysis. 2017, 46, 1701-1704	13
537	Regioselective oxidative cross-coupling of benzo[d]imidazo[2,1-b]thiazoles with styrenes: a novel route to C3-dicarbonylation. <b>2017</b> , 15, 7696-7704	11
536	Chelation-assisted C-S activation/cascade heteroannulation of pyridine-2-thione derivatives in Pd-catalyzed cross-coupling reaction with alkynes. <b>2017</b> , 73, 5485-5492	11
535	Iron-Mediated Oxidative CH Alkylation of S,S-Functionalized Internal Olefins via C(sp2)H/C(sp3)H Cross-Coupling. <b>2017</b> , 359, 2981-2998	31
534	Copper-Catalyzed Oxidative Coupling of IPKeto Esters with N-Methylamides for the Synthesis of Symmetrical 2,3,5,6-Tetrasubstituted Pyridines. <b>2017</b> , 82, 8628-8633	19
533	Copper-Catalysed Decarboxylative Trifluoromethylation of 🛭 Ketoacids. <b>2017</b> , 35, 1665-1668	18
532	Palladium-catalyzed regio- and chemoselective direct desulfitative arylation of anilides with arylsulfonyl chlorides. <b>2017</b> , 73, 5337-5343	6
531	Moderate oxidation levels of Ru nanoparticles enhance molecular oxygen activation for cross-dehydrogenative-coupling reactions via single electron transfer. <b>2017</b> , 7, 33078-33085	8
530	Transforming Olefins into []EUnsaturated Nitriles through Copper Catalysis. 2017, 56, 11589-11593	48
529	Combinatorial Nickel-Catalyzed Monofluoroalkylation of Aryl Boronic Acids with Unactivated Fluoroalkyl Iodides. <b>2017</b> , 19, 4480-4483	37
528	Palladium(II)-Catalyzed Deacylative Allylic C-H Alkylation. <b>2017</b> , 82, 9794-9800	14
5 <del>2</del> 7	Rhodium-Catalyzed Synthesis of Multiaryl-substituted Naphthols via a Removable Directing Group. <b>2017</b> , 359, 3818-3825	26
526	Cs2CO3-promoted cross-dehydrogenative coupling of thiophenols with active methylene compounds. <b>2017</b> , 7, 39758-39761	22
525	Transforming Olefins into ቯϢnsaturated Nitriles through Copper Catalysis. <b>2017</b> , 129, 11747-11751	10
524	Catalyst-free multi-component cascade CH-functionalization in water using molecular oxygen: an approach to 1,3-oxazines. <b>2017</b> , 19, 4036-4042	39
523	Diastereoselective Synthesis of Spirocyclopropane-Linked Pyrazolones from Azomethine Ylides via C(sp3)-H Activation. <b>2017</b> , 2, 11370-11375	6
522	Access to Chiral Hydropyrimidines through Palladium-Catalyzed Asymmetric Allylic C目 Amination. <b>2017</b> , 129, 16248-16252	13
521	Copper-catalyzed aerobic oxidative CD bond formation for the synthesis of 3,5-disubstituted isoxazoles from enone oximes. <b>2017</b> , 7, 55786-55789	9

520	A Cascade Dehydrogenative Cross-Coupling/Annulation Reaction of Benzamides with II-Keto Esters for the Synthesis of Isoquinolinone Derivatives. <b>2017</b> , 19, 6265-6267	18
519	Light-promoted metal-free cross dehydrogenative couplings on ethers mediated by NFSI: reactivity and mechanistic studies. <b>2017</b> , 53, 12708-12711	12
518	Copper-catalyzed aerobic benzylic sp3 CH oxidation mediated synthesis of 2,4,5-trisubstituted imidazoles via a domino multi-component reaction. <b>2017</b> , 19, 5841-5845	31
517	Direct Metal-Free CH Functionalization of Cyclic Ethers with Schiff Bases Through an Azobisisobutyronitrile-Initiated Radical Chain Process. <b>2017</b> , 2017, 7231-7237	8
516	tBuLi-Promoted Intermolecular Regioselective Nucleophilic Addition of Arenes to Diazo Compounds as N-Terminal Electrophiles: Efficient Synthesis of Hydrazine Derivatives. <b>2017</b> , 2017, 6137-6145	10
515	Palladium-catalyzed site-selective direct olefination of 6-electron-withdrawing group substituted 3-arylbenzo[d]isoxazoles. <b>2017</b> , 4, 1962-1966	3
514	Direct C-2 acylation of indoles with toluene derivatives via Pd(II)-catalyzed CH activation. <b>2017</b> , 7, 32559-3256	313
513	Synthesis of 1-Vinyl/Arylbenzotriazole 3-Oxides through a Copper-Mediated CN Bond Coupling Reaction. <b>2017</b> , 359, 2741-2746	13
512	Pd-Catalyzed Regioselective Decarboxylative/CH	19
511	Oxidation-induced C-H amination leads to a new avenue to build C-N bonds. <b>2017</b> , 53, 8984-8987	13
510	Iodine-Mediated Domino C(sp2)⊞ Sulfonylation/Annulation of Enaminones and Sulfonyl Hydrazines for the Synthesis of 3-Sulfonyl Chromones. <b>2017</b> , 2017, 4401-4404	50
509	Cross-dehydrogenative coupling and oxidative-amination reactions of ethers and alcohols with aromatics and heteroaromatics. <b>2017</b> , 8, 5845-5888	89
508	N-Heterocyclic carbene-catalyzed oxidative [3 + 2] annulation of dioxindoles and enals: cross coupling of homoenolate and enolate. <b>2017</b> , 8, 1936-1941	97
507	Palladium-Catalyzed C-H Functionalization of Phenyl 2-Pyridylsulfonates. <b>2017</b> , 12, 130-144	9
506	Access to Isoquinolin-1(2 H)-ones and Pyridones by Cobalt-Catalyzed Oxidative Annulation of Amides with Allenes. <b>2017</b> , 9, 273-277	50
505	Cobalt-Catalyzed Reductive Cross-Coupling Between Styryl and Benzyl Halides. <b>2017</b> , 23, 250-253	26
504	Mild Palladium Catalyzed ortho C-H Bond Functionalizations of Aniline Derivatives. <b>2017</b> , 17, 184-199	22
503	Rhodium(III)-Catalyzed Enantiotopic C-H Activation Enables Access to P-Chiral Cyclic Phosphinamides. <b>2017</b> , 56, 364-367	159

502	Metal-catalyzed CH activation/functionalization: The fundamentals. 2017, 426, 275-296	166
501	Rhodium(III)-Catalyzed Enantiotopic CH Activation Enables Access to P-Chiral Cyclic Phosphinamides. <b>2017</b> , 129, 370-373	77
500	Rh(iii)-catalyzed double C-H activation of aldehyde hydrazones: a route for functionalized 1-indazole synthesis. <b>2017</b> , 8, 1303-1308	35
499	Nickel-Catalyzed Oxidative Coupling of Unactivated C(sp3)⊞ Bonds in Aliphatic Amides with Terminal Alkynes. <b>2017</b> , 36, 18-21	50
498	Controlling chemoselectivity in copper-catalyzed decarboxylative A3/A3 cross-couplings: direct formation of unsymmetrical 1,4-diamino-2-butynes. <b>2017</b> , 4, 37-41	30
497	Palladium(II)-catalyzed arylation of unactivated C(sp 3 )-H bonds by using 2,1,3-benzoselenadiazole-4-amine as directing ligand. <b>2017</b> , 58, 54-58	6
496	Recent Advances of Oxidative Radical Cross-Coupling Reactions: Direct ⊞(sp3)⊞ Bond Functionalization of Ethers and Alcohols. <b>2017</b> , 359, 2-25	114
495	Click-binol-phosphoric acid catalysts in intramolecular enantioselective oxidative C H-bond functionalization. <b>2017</b> , 426, 572-585	5
494	Copper-Catalyzed Synthesis of Unsymmetrical Diorganyl Chalcogenides (Te/Se/S) from Boronic Acids under Solvent-Free Conditions. <b>2017</b> , 22,	36
493	Deacylative Reactions: Synthetic Applications. <b>2018</b> , 2018, 2394-2405	11
492	Recent advances in iodine mediated electrochemical oxidative cross-coupling. 2018, 16, 2375-2387	104
491	Decarboxylative Benzylation of Aryl and Alkenyl Boronic Esters. 2018, 57, 4612-4616	29
490	Electrochemical C-O Bond Formation: Facile Access to Aromatic Lactones. <b>2018</b> , 24, 6932-6935	39
489	Nickel-Catalyzed Tandem Knoevenagel Condensation and Intramolecular Direct Arylation: Synthesis of Pyrazolo[5,1-a]-isoquinoline Derivatives. <b>2018</b> , 360, 1973-1983	17
488	A Concerted Catalytic System for Sonogashira Coupling Reactions: Combination of N-Heterocyclic Carbene Palladium and Copper Complexes. <b>2018</b> , 7, 1113-1117	8
487	Catalytic Asymmetric Oxidative 中Coupling of 中Unsaturated Aldehydes with Air as the Terminal Oxidant. <b>2018</b> , 130, 1622-1626	12
486	Cu-Catalyzed Aerobic Oxidative Sulfuration/Annulation Approach to Thiazoles via Multiple Csp-H Bond Cleavage. <b>2018</b> , 20, 2632-2636	47
485	Synthesis of Alkyl-Substituted Pyrazine N-Oxides by Transition-Metal-Free Oxidative Cross-Coupling Reactions. <b>2018</b> , 7, 1118-1123	8

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484	Palladium(II)-Catalyzed Oxidative Homo- and Cross-Coupling of Aryl ortho-sp C-H Bonds of Anilides at Room Temperature. <b>2018</b> , 83, 4812-4823	20
483	A Copper-Catalyzed Domino Reaction of Alkynyl Bromides and Oxazolidine-2-thiones: Synthesis of Thiazol-2-ones. <b>2018</b> , 7, 888-891	О
482	Visible-Light-Promoted Copper-Catalyzed Regioselective Benzylation of Pyridine N-Oxides versus Thermal Acylation Reaction with Toluene Derivatives. <b>2018</b> , 2018, 1559-1566	11
481	Copper-Catalyzed Oxidative Carbon-Carbon and/or Carbon-Heteroatom Bond Formation with O or Internal Oxidants. <b>2018</b> , 51, 1092-1105	125
480	Room-temperature borylation and one-pot two-step borylation/Suzuki-Miyaura cross-coupling reaction of aryl chlorides <b>2018</b> , 8, 13643-13648	10
479	Palladium-catalyzed intramolecular C-H arylation of 2-haloBocarylbenzamides for the synthesis of N-H phenanthridinones <b>2018</b> , 8, 13879-13890	6
478	Palladium-Catalyzed Decarboxylative ortho-Acylation of Anilines with Carbamate as a Removable Directing Group. <b>2018</b> , 3, 4187-4198	12
477	A Tunable Route to Prepare 即Unsaturated Esters and 即Unsaturated-中Keto Esters through Copper-Catalyzed Coupling of Alkenyl Boronic Acids with Phosphorus Ylides. <b>2018</b> , 360, 1510-1516	11
476	Photoredox radical CIII oxygenation of aromatics with aroyloxylutidinium salts. 2018, 5, 1406-1410	18
475	1,3-Dipolar cycloaddition of azomethine imines to ethynyl hetarenes: A synthetic route to 2,3-dihydropyrazolo[1,2- a ]pyrazol-1(5 H )-one based heterobiaryls. <b>2018</b> , 74, 1101-1109	6
474	DDQ-Catalyzed Direct C(sp3) Amination of Alkylheteroarenes: Synthesis of Biheteroarenes under Aerobic and Metal-Free Conditions. <b>2018</b> , 8, 2195-2199	41
473	Bromine-Mediated Cross-Dehydrogenative Coupling (CDC) Reactions. 2018, 91, 710-719	9
472	Theoretical Studies on Pd(II)-Catalyzed meta-Selective CH Bond Arylation of Arenes. 2018, 8, 2498-2507	12
471	A Cross-Dehydrogenative Annulation Strategy towards Synthesis of Polyfluorinated Phenanthridinones with Copper. <b>2018</b> , 24, 3448-3454	10
470	Weak Directing Group Steered Formal Oxidative [2+2+2]-Cyclization for Selective Benzannulation of Indoles. <b>2018</b> , 83, 1810-1818	23
469	Regioselective Sulfenylation of 日CH or 日CH Groups of 毌Unsaturated Ketones with Heterocyclic Thiols. <b>2018</b> , 83, 2986-2992	11
468	Palladium-Catalyzed Oxidative Cross-Coupling of Arylhydrazines and Arenethiols with Molecular Oxygen as the Sole Oxidant. <b>2018</b> , 83, 2389-2394	26
467	Rh(III)-Catalyzed Acceptorless Dehydrogenative Coupling of (Hetero)arenes with 2-Carboxyl Allylic Alcohols. <b>2018</b> , 20, 740-743	35

466	Oxidative Coupling of Naphthols to Ketones: An Approach to 1,2-Diketones. <b>2018</b> , 3, 1693-1696	6
465	Iridium(I)-Catalyzed Alkylation Reactions To Form 🖽 lkylated Ketones. <b>2018</b> , 83, 2875-2881	49
464	CD Bonds from Pd-Catalyzed C(sp3)⊞ Reactions Mediated by Heteroatomic Groups. <b>2018</b> , 2018, 1176-1203	23
463	Construction of C(sp)-X (X = Br, Cl) Bonds through a Copper-Catalyzed Atom-Transfer Radical Process: Application for the 1,4-Difunctionalization of Isoquinolinium Salts. <b>2018</b> , 20, 987-990	24
462	Mild and highly regioselective synthesis of biaryl acids via Rh (I)-catalyzed cross-dehydrogenative coupling of benzoic acids using sodium chlorite as oxidant. <b>2018</b> , 12, 3-8	6
461	Thioketone-Directed Palladium(II)-Catalyzed CH Arylation of Ferrocenes with Aryl Boronic Acids. <b>2018</b> , 130, 1310-1313	16
460	Catalytic Asymmetric Oxidative □Coupling of ⊞Unsaturated Aldehydes with Air as the Terminal Oxidant. <b>2018</b> , 57, 1606-1610	24
459	An access to 1,3-azasiline-fused quinolinones via oxidative heteroannulation involving silyl C(sp)-H functionalization. <b>2018</b> , 54, 1367-1370	31
458	Iodine mediated oxidative cross-coupling of unprotected anilines and heteroarylation of benzothiazoles with 2-methylquinoline. <b>2018</b> , 16, 635-644	12
457	Electrochemical Oxidative Cross-coupling with Hydrogen Evolution: A Green and Sustainable Way for Bond Formation. <b>2018</b> , 4, 27-45	459
456	Copper-Catalyzed Regioselective Cleavage of C-X and C-H Bonds: A Strategy for Sulfur Dioxide Fixation. <b>2018</b> , 24, 4423-4427	55
456 455	Copper-Catalyzed Regioselective Cleavage of C-X and C-H Bonds: A Strategy for Sulfur Dioxide	55
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447	Palladium-Catalyzed Cross-Dehydrogenative Coupling of o-Xylene: Evidence of a New Rate-Limiting Step in the Search for Industrially Relevant Conditions. <b>2018</b> , 10, 2620-2626	11
446	Metal-free photocatalyzed aerobic oxidative C-H functionalization of glycine derivatives: one-step generation of quinoline-fused lactones. <b>2018</b> , 16, 3816-3823	25
445	Direct C-H Arylation Meets Perovskite Solar Cells: Tin-Free Synthesis Shortcut to High-Performance Hole-Transporting Materials. <b>2018</b> , 13, 1510-1515	14
444	Direct oxidative C-H alkynylation of N-carbamoyl tetrahydroisoquinolines and dihydroisoquinolines. <b>2018</b> , 16, 2792-2799	6
443	An I-mediated aerobic oxidative annulation of amidines with tertiary amines via C-H amination/C-N cleavage for the synthesis of 2,4-disubstituted 1,3,5-triazines. <b>2018</b> , 16, 2629-2633	17
442	Palladium-catalyzed 2-pyridylmethyl-directed I-C(sp3) H activation and cyclization of aliphatic amides with gem-dibromoolefins: A rapid access to I-lactams. <b>2018</b> , 29, 191-193	8
441	Copper-Catalyzed Carbonyl Group Controlled Coupling of Isatin Oximes with Arylboronic Acids To Prepare N-Aryloxindole Nitrones. <b>2018</b> , 2018, 150-159	14
440	Arylation of Aniline C(sp3)⊞ Bonds with Phenols via an In Situ Activation Strategy. <b>2018</b> , 7, 537-541	12
439	Iron-Sulfate-Catalyzed Direct Dehydrogenative Coupling Cyanation of Secondary Phenylamines. <b>2018</b> , 7, 404-410	7
438	Thioketone-Directed Palladium(II)-Catalyzed C-H Arylation of Ferrocenes with Aryl Boronic Acids. <b>2018</b> , 57, 1296-1299	52
437	Iridium-catalysed arylation of C-H bonds enabled by oxidatively induced reductive elimination. <b>2018</b> , 10, 218-224	109
436	An Asymmetric Dehydrogenative Diels-Alder Reaction for the Synthesis of Chiral Tetrahydrocarbazole Derivatives. <b>2018</b> , 20, 32-35	20
435	Ligand-Controlled Nickel-Catalyzed Reductive Relay Cross-Coupling of Alkyl Bromides and Aryl Bromides. <b>2018</b> , 8, 310-313	90
434	Synthesis of withasomnine and pyrazole derivatives via intramolecular dehydrogenative cyclization, as well as biological evaluation of withasomnine-based scaffolds. <b>2018</b> , 5, 850-854	3
433	Photoredox and cobalt co-catalyzed C(sp2) functionalization/CD bond formation for synthesis of lactones under oxidant- and acceptor-free conditions. <b>2018</b> , 5, 749-752	33
432	Ni(I)Ni(III) vs. Ni(II)Ni(IV): mechanistic study of Ni-catalyzed alkylation of benzamides with alkyl halides. <b>2018</b> , 5, 615-622	39
431	One-step rapid synthesis of Econjugated large oligomers via CH activation coupling. 2018, 5, 653-661	22

430	Recent Advances in Radical-Initiated C(sp3)⊞ Bond Oxidative Functionalization of Alkyl Nitriles. <b>2018</b> , 8, 258-271	120
429	Catalyst- and Supporting-Electrolyte-Free Electrosynthesis of Benzothiazoles and Thiazolopyridines in Continuous Flow. <b>2018</b> , 24, 487-491	80
428	Copper-catalyzed oxidative intermolecular 1,2-alkylarylation of styrenes with ethers and indoles. <b>2018</b> , 54, 13511-13514	19
427	Transition-metal-free KI-catalyzed regioselective sulfenylation of 4-anilinocoumarins using Bunte salts. <b>2018</b> , 16, 8015-8019	8
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423	Metal-Free Functionalization of Alkanes. <b>2018</b> , 503-521	
422	Copper-Catalyzed Three-Component Reaction of Oxadiazoles, Elemental Se/S and Aryl Iodides: Synthesis of Chalcogenyl (Se/S)-Oxadiazoles. <b>2018</b> , 3, 13191-13196	21
421	Oxidative R-H/R-H Cross-Coupling with Hydrogen Evolution. <b>2018</b> , 140, 13128-13135	145
421	Oxidative R-H/R-H Cross-Coupling with Hydrogen Evolution. 2018, 140, 13128-13135  Visible Light-Induced Aerobic Oxidative H Arylation of Glycine Derivatives. 2018, 360, 4452-4456	145
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420	Visible Light-Induced Aerobic Oxidative H Arylation of Glycine Derivatives. 2018, 360, 4452-4456  Cobalt(iii)-catalyzed site-selective C-H amidation of pyridones and isoquinolones 2018, 8, 32659-32663  Aerobic Catalytic Features in Photoredox- and Copper-Catalyzed Iodolactonization Reactions. 2018,	22
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412	Metal- and photocatalyst-free visible-light-promoted regioselective selenylation of coumarin derivatives via oxidation-induced Cℍ functionalization. <b>2018</b> , 5, 2974-2979	62
411	Metal-Free Dehydrogenative Diels-Alder Reactions of Prenyl Derivatives with Dienophiles via a Thermal Reversible Process. <b>2018</b> , 20, 5774-5778	5
410	Mechanistic view of Ru-catalyzed C-H bond activation and functionalization: computational advances. <b>2018</b> , 47, 7552-7576	141
409	Direct C-4 alkylation of quinazoline N-oxides with ethers via an oxidative cross-coupling reaction under metal-free conditions. <b>2018</b> , 16, 8724-8731	8
408	Oxidative Cross-Coupling of Boron and Antimony Nucleophiles via Palladium(I). 2018, 20, 5537-5540	13
407	Cross-Dehydrogenating Coupling of Aldehydes with Amines/R-OTBS Ethers by Visible-Light Photoredox Catalysis: Synthesis of Amides, Esters, and Ureas. <b>2018</b> , 20, 5861-5865	38
406	Highly selective halogenation of unactivated C(sp3)⊞ with NaX under co-catalysis of visible light and Ag@AgX. <b>2018</b> , 20, 4729-4737	13
405	One-Pot CH Formylation Enabled by Relay Catalysis of Manganese(I) and Iron(III). 2018, 8, 10036-10042	22
404	Nickel-Catalyzed Oxidative Coupling Reaction of Phenyl Benzyl Sulfoxides. 2018, 37, 3132-3141	5
403	Visible light-induced aerobic oxidative cross-coupling of glycine esters with ⊞ngelicalactone: a facile pathway to ⊡lactams. <b>2018</b> , 16, 6728-6734	13
402	Silver-catalyzed direct benzylation of acetanilide: a highly efficient approach to unsymmetrical triarylmethanes <b>2018</b> , 8, 30374-30378	5
401	Visible light-induced aerobic oxidative cross-coupling of glycine derivatives with indoles: a facile access to 3,3? bisindolylmethanes. <b>2018</b> , 5, 2120-2125	30
400	Ag1Pd1-rGO nanocomposite as recyclable catalyst for CDC reactions of 2-arylpyridines with aldehydes. <b>2018</b> , 113, 27-31	6
399	TBHP/R4N+X[promoted hydroaroylation of dialkyl azodicarboxylates with methyl arenes, aldehydes, aryl methanols and arylmethyl chlorides. <b>2018</b> , 74, 3858-3870	1
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397	Strategy for Catalytic Chemoselective Cross-Enolate Coupling Reaction via a Transient Homocoupling Dimer. <b>2018</b> , 20, 3541-3544	26
396	Transition-Metal-Free, TsOH-Mediated Direct CH Allylation of 1,4-Benzoquinone with Allylic Alcohols. <b>2018</b> , 7, 1385-1389	7
395	Merging " Anti-Baldwin" 3- Exo-Dig Cyclization with 1,2-Alkynyl Migration for Radical Alkylalkynylation of Unactivated Olefins. <b>2018</b> , 20, 3596-3600	26

394	Phosphomolybdic acid as a bifunctional catalyst for Friedel <b>©</b> rafts type dehydrative coupling reaction. <b>2018</b> , 32, e4450	25
393	DDQ-Promoted Allylic CEI Phosphorylation of 1,3-Diarylpropenes. <b>2018</b> , 360, 3590-3594	14
392	Cleavage of CII and CID Bonds to Form CII Bonds: Direct Cross-Coupling between Acetylenic Alcohols and Benzylic Carbonates. <b>2018</b> , 2018, 4479-4482	7
391	Metal-free cross-dehydrogenative coupling approach for C-H bond functionalization of 2-phenyl pyridine derivatives in water. <b>2018</b> , 29, e21423	1
390	A lesson for site-selective C-H functionalization on 2-pyridones: radical, organometallic, directing group and steric controls. <b>2018</b> , 9, 22-32	83
389	Kupfer-katalysierte dehydrierende ortho-Aminomethylierung von Phenolen. <b>2018</b> , 130, 11981-11985	5
388	Copper-catalyzed oxidative cross-dehydrogenative coupling of 2H-chromenes and terminal alkynes. <b>2018</b> , 16, 5144-5149	14
387	Cu-Catalyzed Cross-Dehydrogenative ortho-Aminomethylation of Phenols. <b>2018</b> , 57, 11807-11811	39
386	Chemoselective Catalytic Dehydrogenative Cross-Coupling of 2-Acylimidazoles: Mechanistic Investigations and Synthetic Scope. <b>2018</b> , 8, 8430-8440	37
385	DDQ-mediated direct C(sp3)H phosphorylation of xanthene derivatives. <b>2018</b> , 5, 2652-2656	27
384	A ruthenium-catalyzed alkenylation-annulation approach for the synthesis of indazole derivatives via C-H bond activation. <b>2018</b> , 16, 5973-5978	18
383	Palladium-catalyzed oxidative C-H/C-H cross-coupling of imidazopyridines with azoles. <b>2018</b> , 16, 6039-6046	37
382	Synthesis of imidazopyridine-fused indoles via one-pot sequential Knoevenagel condensation and cross dehydrogenative coupling. <b>2018</b> , 16, 6123-6132	8
381	Exploring Mechanisms in Ni Terpyridine Catalyzed CII Cross-Coupling Reactions A Review. <b>2018</b> , 6, 18	35
380	Photoredox Catalysis for Building C-C Bonds from C(sp)-H Bonds. <i>Chemical Reviews</i> , <b>2018</b> , 118, 7532-75 <b>86</b> 8.1	392
379	Rhodium-catalyzed -heteroarylation of phenols: directing group-enabled switching of the electronic bias for heteroaromatic coupling partner. <b>2018</b> , 9, 6878-6882	21
378	Selective Methylation of Arenes: A Radical C⊞ Functionalization/Cross-Coupling Sequence. <b>2018</b> , 130, 10857-10861	9
377	Site-Selective CH Bond Activation/Functionalization of Alpha-Amino Acids and Peptide-Like Derivatives. <b>2018</b> , 2018, 6050-6067	59

376	The synergistic effect of self-assembly and visible-light induced the oxidative C-H acylation of N-heterocyclic aromatic compounds with aldehydes. <b>2018</b> , 54, 5744-5747	41
375	Rhodium(III)-Catalyzed Direct Alkenylation of Benzothiophenes and Related Heterocycles with Alkynes. <b>2018</b> , 7, 1330-1333	4
374	Bpin-Mediated Palladium-Catalyzed Diacetoxylation of Aryl Alkenes with O as Oxygen Source and Sole Oxidant. <b>2018</b> , 20, 5090-5093	7
373	Biomimetic Oxidative Coupling Cyclization Enabling Rapid Construction of Isochromanoindolenines. <b>2018</b> , 20, 5457-5460	22
372	Electrochemical Synthesis of 3,5-Disubstituted-1,2,4-thiadiazoles through NH4I-Mediated Dimerization of Thioamides. <b>2018</b> , 360, 4043-4048	38
371	Rh(III)-Catalyzed Selective C8 <sup>III</sup> Acylmethylation of Quinoline N-Oxides. <b>2018</b> , 360, 4068-4072	55
370	Nickel(ii)-catalyzed tandem C(sp)-H bond activation and annulation of arenes with -dibromoalkenes <b>2018</b> , 8, 28668-28675	5
369	Metal-Free Oxidative Decarbonylative [3+2] Annulation of Terminal Alkynes with Tertiary Alkyl Aldehydes toward Cyclopentenes. <b>2018</b> , 83, 8581-8588	13
368	Novel Oxidative Ugi Reaction for the Synthesis of Highly Active, Visible-Light, Imide-Acridinium Organophotocatalysts. <b>2018</b> , 24, 12509-12514	24
367	Direct arylation polymerization: A guide to optimal conditions for effective conjugated polymers. <b>2018</b> , 83, 135-201	75
366	Selective Methylation of Arenes: A Radical C-H Functionalization/Cross-Coupling Sequence. <b>2018</b> , 57, 10697-10701	23
365	Direct Arylation of Benzyl Ethers with Organozinc Reagents. <b>2018</b> , 83, 7900-7906	10
364	Nickel-Catalyzed Denitrogenative Cross-Coupling Reaction of 1,2,3-Benzotriazin-4(3 H)-ones with Organoboronic Acids: An Easy Access to Ortho-Arylated and Alkenylated Benzamides. <b>2018</b> , 20, 3815-3818	16
363	3-Amino-1-methyl-1 H-pyridin-2-one-Directed Pd Catalysis: C(sp)-H Activated Diverse Arylation Reaction. <b>2018</b> , 20, 4062-4066	16
362	Oxidative Cascade Reaction of N-Aryl-3-alkylideneazetidines and Carboxylic Acids: Access to Fused Pyridines. <b>2018</b> , 20, 3833-3837	14
361	Functional Enzyme Mimics for Oxidative Halogenation Reactions that Combat Biofilm Formation. <b>2018</b> , 30, e1707073	39
360	Enantioselective Radical Addition/Cross-Coupling of Organozinc Reagents, Alkyl Iodides, and Alkenyl Boron Reagents. <b>2019</b> , 58, 14245-14249	55
359	Direct C-H/C-H cross-coupling of benzimidates with heteroarenes to access biheteroaryl-2-carbonitriles. <b>2019</b> , 55, 10599-10602	5

358	Monodentate Phosphorus Ligand-Enabled General Palladium-Catalyzed Allylic C-H Alkylation of Terminal Alkenes. <b>2019</b> , 21, 6720-6725	17
357	Enantioselective Radical Addition/Cross-Coupling of Organozinc Reagents, Alkyl Iodides, and Alkenyl Boron Reagents. <b>2019</b> , 131, 14383-14387	18
356	Aerobic Oxidation Approaches to Indole-3-carboxylates: A Tandem Cross Coupling of Amines-Intramolecular Mannich-Oxidation Sequence. <b>2019</b> , 21, 6731-6735	12
355	Tertiary amine-directed and involved carbonylative cyclizations through Pd/Cu-cocatalyzed multiple C-X ( $X = H \text{ or } N$ ) bond cleavage. <b>2019</b> , 10, 9292-9301	7
354	Photocatalyst-Free Regioselective CII Thiocyanation of 4-Anilinocoumarins under Visible Light. <b>2019</b> , 7, 14009-14015	58
353	Copper-catalyzed selective difunctionalization of N-heteroarenes through a halogen atom transfer radical process. <b>2019</b> , 43, 13832-13836	2
352	Diastereoselective Nickel-Catalyzed Carboiodination Generating Six-Membered Nitrogen-Based Heterocycles. <b>2019</b> , 21, 7163-7168	20
351	Pd-Catalyzed Aerobic Oxidative Heck Cross-Coupling for the Straightforward Construction of Indole £Lactams. <b>2019</b> , 17, 256-266	9
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349	Metal-Free Aerobic Oxidative C௴ Coupling of C(sp3)⊞ with Carboxylic Acids Catalyzed by DDQ and tert-Butyl Nitrite. <b>2019</b> , 2019, 5650-5655	14
348	Efficient CB Bond Formation by Direct Functionalization of C(sp3)⊞ Bond Adjacent to Heteroatoms under Metal-Free Conditions. <b>2019</b> , 361, 4075-4081	14
347	In Situ Coupling of Single Molecules Driven by Gold-Catalyzed Electrooxidation. <b>2019</b> , 131, 16154-16158	O
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335	TBHP/NHI-Mediated Direct N-H Phosphorylation of Imines and Imidates. <b>2019</b> , 84, 14949-14956	11
334	Mechanochemical Oxidative Heck Coupling of Activated and Unactivated Alkenes: A Chemo-, Regioand Stereo-Controlled Synthesis of Alkenylbenzenes. <b>2019</b> , 361, 5133-5139	10
333	Nucleophile Coordination Enabled Regioselectivity in Palladium-Catalyzed Asymmetric Allylic CH Alkylation. <b>2019</b> , 131, 16962-16966	5
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244	Anticancer Molecule Discovery via C2-Substituent Promoted Oxidative Coupling of Indole and Enolate. <b>2019</b> , 22, 214-228	5
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240	Pd -Catalyzed Regio- and Enantioselective Oxidative C-H/C-H Cross-Coupling Reaction between Ferrocenes and Azoles. <b>2019</b> , 58, 2149-2153	42
239	One-Pot, Two-Step Metal and Acid-Free Synthesis of Trisubstituted Imidazole Derivatives via Oxidation of Internal Alkynes Using an Iodine/DMSO System. <b>2019</b> , 2019, 1107-1113	18
238	PdII-Catalyzed Regio- and Enantioselective Oxidative CH/CH Cross-Coupling Reaction between Ferrocenes and Azoles. <b>2019</b> , 131, 2171-2175	9
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224	Metal- and solvent-free direct Cℍ thiolation of aromatic compounds with sulfonyl chlorides. <b>2020</b> , 22, 427-432	14
223	Oxidative Annulation of 3-Aryl-2H-benzo[e][1,2,4]thiadiazine-1,1-dioxides with Aryl Aldehydes: An Easy Access to Hydroxyisoindolo[1,2-b] benzothiadiazinedioxide Scaffolds. <b>2020</b> , 2020, 923-931	6
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218	Cu-Catalyzed Direct C7 Sulfonylation of Indolines with Arylsulfonyl Chlorides. <b>2020</b> , 85, 1022-1032	17
217	Recent Advances in Electrochemical Oxidative Cross-Coupling of Alkenes with H2 Evolution. <b>2020</b> , 12, 27-40	33
216	Mechanochemical Asymmetric Cross-Dehydrogenative Coupling Reaction: Liquid-Assisted Grinding Enables Reaction Acceleration and Enantioselectivity Control. <b>2020</b> , 362, 893-902	11
215	Electrochemical Synthesis of 1,2,4-Thiadiazoles through Intermolecular Dehydrogenative S-N Coupling. <b>2020</b> , 362, 771-775	18

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211	Gold-Catalyzed Oxidative Cross-Coupling Reactions among Two Distinct Arenes and One Gold Carbene with Phosphoric Acids as Cocatalysts. <b>2020</b> , 362, 5658-5668	1
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203	Organogermanes as Orthogonal Coupling Partners in Synthesis and Catalysis. <b>2020</b> , 53, 2715-2725	25
202	Transition Metals and Transition Metals/Lewis Acid Cooperative Catalysis for Directing Group Assisted para-C⊞ Functionalization. <b>2020</b> , 49, 1406-1420	18
201	Copper-catalyzed cascade CN coupling/CH amination: one pot synthesis of imidazo[1,2-b]indazole. <b>2020</b> , 44, 15816-15820	O
200	Oxidative alkylation of alkenes with carbonyl compounds through concomitant 1,2-aryl migration by photoredox catalysis. <b>2020</b> , 44, 16031-16035	3
199	The regioselective coupling of 2-arylquinazolinone CH with aldehydes and benzyl alcohols under oxidative conditions. <b>2020</b> , 44, 16697-16701	O
198	The base-induced regioselective radical arylation of 3-aminochromone with aryl hydrazine. <b>2020</b> , 18, 7884-7891	1
197	Palladium/Copper Cocatalyzed C-H Activation and C-C Bond Regioselective Cleavage Reaction for the Synthesis of Fused Chromeno Quinolines. <b>2020</b> , 22, 8860-8865	7

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196	Pd-Catalyzed Regioselective C-H Alkenylation and Alkynylation of Allylic Alcohols with the Assistance of a Bidentate Phenanthroline Auxiliary. <b>2020</b> , 22, 9059-9064	9
195	Rhodium-catalyzed ortho-acrylation of aryl ketone O-methyl oximes with cyclopropenones. <b>2020</b> , 18, 3823-3826	4
194	Aerobic Oxidative Functionalization of Indoles. <b>2020</b> , 362, 3795-3823	32
193	Air-Stable Fe3O4@SiO2-EDTA-Ni(0) as an Efficient Recyclable Magnetic Nanocatalyst for Effective Suzuki-Miyaura and Heck Cross-Coupling via Aryl Sulfamates and Carbamates. <b>2020</b> , 34, e5662	15
192	Ni-Catalyzed desilylative annulation of benzamides and acrylamides with alkynylsilanes: Access to 3-Methyleneisoindolin-1-one and 5-Methylene-1H-pyrrol-2(5H)-one derivatives. <b>2020</b> , 50, 1946-1959	1
191	Mechanistic details of the cobalt-mediated dehydrogenative dimerization of aminoquinoline-directed benzamides. <b>2020</b> , 11, 6085-6096	7
190	Catalytic Aerobic Cross-Dehydrogenative Coupling of Azlactones en Route to ⊞Disubstituted ∰Amino Acids. <b>2020</b> , 22, 4164-4170	11
189	Synthesis of carbamothioate derivatives via a copper catalyzed thiocarboxamidation of aryl iodides. <b>2020</b> , 151, 945-952	3
188	Is Cu(iii) a necessary intermediate in Cu-mediated coupling reactions? A mechanistic point of view. <b>2020</b> , 56, 6609-6619	30
187	Rh(iii)-catalyzed, hydrazine-directed C-H functionalization with 1-alkynylcyclobutanols: a new strategy for 1H-indazoles. <b>2020</b> , 56, 7415-7418	17
186	Oxidative cascade cyclization of 2-cyano-3-arylaniline derived acrylamides with toluenes, ethers, aliphatic alcohols or simple alkanes. <b>2020</b> , 7, 1997-2002	5
185	C?H Activation Strategies for Heterofunctionalization and Heterocyclization on Quinones: Application in the Synthesis of Bioactive Compounds. <b>2020</b> ,	O
184	Tetraalkylammonium-based ionic liquids for a RuCl3 catalyzed CH activated homocoupling. <b>2020</b> , 76, 131314	4
183	A Review on the Latest Progress of Chan-Lam Coupling Reaction. <b>2020</b> , 362, 3311-3331	71
182	Cobalt-Catalyzed One-Step Access to Pyroquilon and C-7 Alkenylation of Indoline with Activated Alkenes Using Weakly Coordinating Functional Groups. <b>2020</b> , 85, 5330-5341	11
181	Enantioselective Twofold CH Annulation of Formamides and Alkynes without Built-in Chelating Groups. <b>2020</b> , 132, 9514-9518	3
180	Enantioselective Twofold C-H Annulation of Formamides and Alkynes without Built-in Chelating Groups. <b>2020</b> , 59, 9428-9432	26
179	Cu/Ni-Catalyzed Cyanomethylation of Alkenes with Acetonitrile for the Synthesis of III-Unsaturated Nitriles. <b>2020</b> , 85, 6143-6150	4

178	Copper-Catalyzed Functionalization of Aza-Aromatic Rings with Fluoroalcohols via Direct C(sp)-H/C(sp)-H Coupling Reactions. <b>2020</b> , 22, 3033-3038	12
177	Palladium-Catalyzed Direct Oxidative C-H Activation/Annulation for Regioselective Construction of -Acylindoles. <b>2020</b> , 22, 3397-3401	16
176	C(sp)-H functionalizations of light hydrocarbons using decatungstate photocatalysis in flow. <b>2020</b> , 369, 92-96	128
175	C-H-Aktivierungsbasierte einstufige kupferkatalysierte Synthese von N,O-bidentaten organischen Difluorborkomplexen. <b>2020</b> , 132, 21725-21729	3
174	C-H Activation Based Copper-Catalyzed One-Shot Synthesis of N,O-Bidentate Organic Difluoroboron Complexes. <b>2020</b> , 59, 21541-21545	13
173	Cobalt-Catalyzed gem-Cross-Dimerization of Terminal Alkynes. <b>2020</b> , 10, 3881-3889	13
172	Nickel-Catalyzed ortho-Acyloxylation of Benzamides and Acrylamides with Carboxylic Acids. <b>2020</b> , 5, 1925-1928	2
171	Pushing the boundaries of CH bond functionalization chemistry using flow technology. <b>2020</b> , 10, 13-71	50
170	The Merger of Photoredox and Cobalt Catalysis. <b>2020</b> , 2, 410-426	50
169	Visible-Light-Induced Charge Transfer Enables C-H Functionalization of Glycine Derivatives: Access to 1,3-Oxazolidines. <b>2020</b> , 22, 1638-1643	17
168	M[TPP]Cl (M = Fe or Mn)-Catalyzed Oxidative Amination of Phenols by Primary and Secondary Anilines. <b>2020</b> , 22, 1941-1946	8
167	Cross-dehydrogenative coupling of acetanilides with aromatic aldehydes. <b>2020</b> , 44, 4319-4323	O
166	Design and Syntheses of Palladium Complexes of NNN/CNN Pincer Ligands: Catalyst for Cross Dehydrogenative Coupling Reaction of Heteroarenes. <b>2020</b> , 39, 324-333	18
165	Selective Oxidation of Benzylic C-H Bonds Catalyzed by Cu(II)/{PMo}. 2020, 85, 3101-3109	14
164	Reaction scope and mechanistic insights of nickel-catalyzed migratory Suzuki-Miyaura cross-coupling. <b>2020</b> , 11, 417	52
163	Overcoming Electron-Withdrawing and Product-Inhibition Effects by Organocatalytic Aerobic Oxidation of Alkylpyridines and Related Alkylheteroarenes to Ketones. <b>2020</b> , 85, 3942-3948	12
162	Oxidative Dearomative Cross-Dehydrogenative Coupling of Indoles with Diverse C-H Nucleophiles: Efficient Approach to 2,2-Disubstituted Indolin-3-ones. <b>2020</b> , 25,	4
161	Ruthenium-Catalyzed Direct Dehydrogenative Cross-Coupling of Allyl Alcohols and Acrylates: Application to Total Synthesis of Hydroxy 🖟 Sanshool, ZP-Amide I, and Chondrillin. <b>2020</b> , 22, 1618-1623	5

160	Cross-dehydrogenative coupling enables enantioselective access to CF-substituted all-carbon quaternary stereocenters. <b>2020</b> , 11, 2414-2419	22
159	Nanozymology. <b>2020</b> ,	11
158	Synthesis of Chiral Triarylmethanes Bearing All-Carbon Quaternary Stereocenters: Catalytic Asymmetric Oxidative Cross-Coupling of 2,2-Diarylacetonitriles and (Hetero)arenes. <b>2020</b> , 59, 3053-3057	27
157	Sulfoxide-mediated oxidative cross-coupling of phenols. <b>2020</b> , 11, 2001-2005	10
156	TiO/CuO nanoparticle-catalyzed direct C(sp)-P bond formation via aerobic oxidative coupling in air and visible light. <b>2020</b> , 49, 3001-3006	5
155	Visible Light-Induced Oxidative Cross Dehydrogenative Coupling of Glycine Esters with BNaphthols: Access to 1,3-Benzoxazines. <b>2020</b> , 85, 6261-6270	8
154	Electrochemical Dearomative Halocyclization of Tryptamine and Tryptophol Derivatives. <b>2020</b> , 38, 1070-1074	14
153	Iridium-Catalyzed Enantioselective Hydroarylation of Alkenes through C-H bond Activation: Experiment and Computation. <b>2020</b> , 26, 8308-8313	17
152	Enantioselective aerobic oxidative cross-dehydrogenative coupling of glycine derivatives with ketones and aldehydes cooperative photoredox catalysis and organocatalysis. <b>2020</b> , 11, 4741-4746	17
151	Nickel- and Palladium-Catalyzed Cross-Coupling Reactions of Organostibines with Organoboronic Acids. <b>2021</b> , 133, 3141-3151	0
150	CAN-mediated Oxidative Coupling-Reaction of Xanthenes with Enaminones. 2021, 10, 160-163	3
149	Access to 1-indolyltetrahydro-I-carbolines via metal-free cross-dehydrogenative coupling: the total synthesis of eudistomin U, isoeudistomin U and 19-bromoisoeudistomin U. <b>2021</b> , 57, 757-760	1
148	Nickel- and Palladium-Catalyzed Cross-Coupling Reactions of Organostibines with Organoboronic Acids. <b>2021</b> , 60, 3104-3114	7
147	Oxidation of the inert sp C-H bonds of tetrahydroisoquinolines through C-H activation relay (CHAR): construction of functionalized isoquinolin-1-ones. <b>2021</b> , 57, 3347-3350	2
146	Palladium-catalyzed directed synthesis of -deuterated phenylacetic acid and analogues. <b>2021</b> , 19, 6244-6249	2
145	Metal-catalysed C-Het (F, O, S, N) and C-C bond arylation. <b>2021</b> , 50, 8903-8953	20
144	Tunable linear donor ceptor conjugated polymers with a vinylene linkage for visible-light driven hydrogen evolution. <b>2021</b> , 11, 4021-4025	7
143	Ligand-free Pd/Ag-mediated dehydrogenative alkynylation of imidazole derivatives <b>2021</b> , 11, 25504-25509	2

142	Rh(iii)-catalyzed regioselective C-H activation dialkenylation/annulation cascade for rapid access to 6-isoindolo[2,1-]indole <b>2021</b> , 11, 25194-25198	О
141	ECH functionalization of tertiary amines catalyzed/promoted by molecular iodine/derivatives. <b>2021</b> , 45, 14345-14359	4
140	Pd(II)-Catalyzed enantioconvergent twofold CH annulation to access atropisomeric aldehydes: a platform for diversity-oriented-synthesis. <b>2021</b> , 8, 3404-3412	5
139	Transition Metal Catalyzed Distal para-Selective CH Functionalization. <b>2021</b> , 221-251	1
138	Copper(i)-catalyzed radical carboamination reaction of 8-aminoquinoline-oriented buteneamides with chloroform: synthesis of-I-lactams <b>2021</b> , 11, 28081-28084	2
137	Synthesis of ortho-arylated and alkenylated benzamides by palladium-catalyzed denitrogenative cross-coupling reactions of 1,2,3-benzotriazin-4(3H)-ones with organoboronic acids. <b>2021</b> , 45, 17190-17195	2
136	Synthetic applications of ⊞difluoroarylacetic acids and salts via decarboxylative functionalization. <b>2021</b> , 8, 5516-5530	4
135	Oxidatively Induced Reductive Elimination for Methyl Group Transfer via Isolable Transmetalation Complexes. <b>2021</b> , 42, 529-532	5
134	Rhodium-Catalyzed C4-Selective C-H Alkenylation of 2-Pyridones by Traceless Directing Group Strategy. <b>2021</b> , 23, 1388-1393	7
133	Hydrogen Atom Transfer-Driven Enantioselective Minisci Reaction of Amides. <b>2021</b> , 143, 4928-4934	24
132	Latest Advancements in Transition-Metal-Free Carbon-Heteroatom Bond Formation Reactions via Cross- Dehydrogenative Coupling. <b>2021</b> , 10, 1024-1049	2
131	Visible-Light-Induced Aerobic Oxidative Csp3⊞ Functionalization of Glycine Derivatives for 2-Substituted Benzoxazoles. <b>2021</b> , 363, 2568-2572	3
130	Theoretical Study of Ru-Catalysis. <b>2021</b> , 451-498	
129	Efficient synthesis of symmetrical anhydrides by cross dehydrogenative coupling of aryl aldehydes over CuFe2O4 nanoparticles. <b>2021</b> , 152, 461-468	O
128	Introduction of Computational Organometallic Chemistry. <b>2021</b> , 1-18	
127		
/	Cobalt-catalyzed C H activation of N-carbamoyl indoles or benzamides with maleimides: Synthesis of imidazo[1,5-a]indole- or isoindolone-incorporated spirosuccinimides. <b>2021</b> , 70, 152872	5
126		3

124	Cu-Catalyzed Aerobic Oxidative Coupling of Tetrahydro-I-carbolines with Indoles. <b>2021</b> , 6, 6272-6274	О
123	Copper-Catalyzed Cross-Nucleophile Coupling of I-Allenyl Silanes with Tertiary C-H Bonds: A Radical Approach to Branched 1,3-Dienes. <b>2021</b> , 23, 6041-6045	3
122	Zirconium-Redox-Shuttled Cross-Electrophile Coupling of Aromatic and Heteroaromatic Halides. <b>2021</b> , 7, 1963-1974	2
121	Construction of Vicinal Quaternary Carbon Stereocenters Through Diastereo- and Enantioselective Oxidative 1,6-Conjugate Addition. <b>2021</b> , 60, 18499-18503	10
120	Construction of Vicinal Quaternary Carbon Stereocenters Through Diastereo- and Enantioselective Oxidative 1,6-Conjugate Addition. <b>2021</b> , 133, 18647-18651	6
119	NBS-Promoted CH Amination of Enaminones for the Synthesis of N-Heterocycle Substituted Enaminones**. <b>2021</b> , 6, 6478-6482	1
118	Aerobic Cross-Dehydrogenative Coupling Reactions for Selective Mono- and Dithiolation of Phenols. <b>2021</b> , 86, 10166-10176	2
117	A single-molecule blueprint for synthesis.	3
116	Development of Aerobic Oxidative Transformations of Aromatic C-H Bonds Using a Heterogeneous Metal Catalyst. <b>2021</b> , 79, 755-765	O
115	Development of green and low-cost chiral oxidants for asymmetric catalytic hydroxylation of enals. <b>2021</b> , 2, 295-298	5
114	Copper-catalyzed C(sp)-C(sp2) oxidative cross coupling reaction to access to methyl arylpropiolates at room temperature. <b>2021</b> , 2, 350-350	0
113	Organoboron compounds as versatile reagents in the transition metal-catalyzed CB, CBe and CII e bond formation. <b>2021</b> , 442, 214012	6
112	Rhodium-Catalyzed Oxidative Annulation of 2- or 7-Arylindoles with Alkenes/Alkynes Using Molecular Oxygen as the Sole Oxidant Enabled by Quaternary Ammonium Salt. <b>2021</b> , 26,	1
111	Oxidative Cross-Coupling Reactions between Two Nucleophiles.	6
110	Domino Cross-Scholl Reaction of Tetracene with Molecular Benzene: Synthesis, Structure, and Mechanism. <b>2021</b> , 23, 7921-7926	2
109	Theoretical View of Rh-Catalyzed C⊞ Functionalization. <b>2021</b> , 1-18	O
108	Aerobic cross-dehydrogenative couplings of N-heteroarenes with toluene derivatives at room temperature.	2
107	Recent advances in acyl radical enabled reactions between aldehydes and alkenes. <b>2021</b> , 57, 6111-6120	9

106	Diastereoselective Construction of -2-Alkyl-6-aryl-3,6-dihydro-2-pyrans via Dehydrogenative Cycloetherification Promoted by DDQ. <b>2021</b> , 23, 1135-1140	3
105	Oxidative cross-coupling processes inspired by the Chan-Lam reaction. <b>2021</b> , 57, 2724-2731	1
104	Rhodium(iii)-catalyzed synthesis of trisubstituted furans via vinylic C-H bond activation. <b>2021</b> , 19, 7470-7474	2
103	Visible light promoted photoredox C(sp)-H bond functionalization of tetrahydroisoquinolines in flow. <b>2021</b> , 19, 2668-2675	4
102	The ortho effect in directed C-H activation. <b>2021</b> , 12, 5152-5163	8
101	I-Mediated Cross-Dehydrogenative Coupling and Amidation of 3-Aryl Benzofuranones with Aryl Amines for the Synthesis of 3,3-Diaryl Indolin-2-ones. <b>2021</b> , 86, 2965-2973	3
100	Nickel-Catalyzed Reductive 2-Pyridination of Aryl Iodides with Difluoromethyl 2-Pyridyl Sulfone. <b>2021</b> , 23, 711-715	11
99	Synthesis of Chiral Triarylmethanes Bearing All-Carbon Quaternary Stereocenters: Catalytic Asymmetric Oxidative Cross-Coupling of 2,2-Diarylacetonitriles and (Hetero)arenes. <b>2020</b> , 132, 3077-3081	8
98	Iron-Catalyzed Direct Oxidative Alkylation and Hydroxylation of Indolin-2-ones with Alkyl-Substituted N-Heteroarenes. <b>2020</b> , 132, 3904-3908	4
97	Functional Enzyme Mimics for Oxidative Halogenation Reactions that Combat Biofilm Formation. <b>2020</b> , 195-278	4
96	Copper-catalyzed Site-selective Direct Arylation of Triptycene. <b>2020</b> , 49, 689-692	1
95	Synthesis of Mono-Substituted and Simmetrically 2, 5-Disubstituted 1, 3, 4-Oxadiazoles. <b>2012</b> , 7, 136-142	1
94	Structural and Functional Annotation of Conserved Virulent Hypothetical Proteins in Chlamydia Trachomatis: An In-Silico Approach. <b>2019</b> , 14, 344-352	4
93	From Chiral Base Catalysts to Redox-Active Catalysts: Chasing the Identity of Metal Catalysts in Carbon-Carbon Bond-Forming Reactions. <b>2013</b> , 71, 433-442	1
92	Recent advance in direct sp3 carbon-hydrogen bond functionalizations. <b>2016</b> , 7, 248-270	5
91	Selective divergent radical cyclization of 1,6-dienes with alkyl nitriles. <b>2021</b> , 19, 9501-9505	O
90	Metal-free, visible-light driven C⊞ ketoalkylation of glycine derivatives and peptides.	6
89	Recent Advances in the Oxidative Coupling Reaction of Enol Derivatives. <b>2021</b> , 41, 3414	O

88	Z-Selective Fluoroalkenylation of (Hetero)Aromatic Systems by Iodonium Reagents in Palladium-Catalyzed Directed CH Activation.	O
87	Cu-Catalyzed Phenol O-Methylation with Methylboronic Acid. <b>2021</b> , 2021, 5661	O
86	Visible-Light-Mediated Transformation of Nitrogen-Containing Compounds Based on Single Electron Transfer. <b>2015</b> , 73, 874-884	2
85	Cross-Dehydrogenative Coupling of Carbonyls for Heterocycle Synthesis. <b>2019</b> , 213-229	
84	C C Bond Formation Through C-H Activation. <b>2021</b> ,	
83	Development of a Quinolinium/Cobaloxime Dual Photocatalytic System for Oxidative CII Cross-Couplings via H2 Release. 14148-14158	8
82	Ten Years of Glory in the Functionalizations of Acetophenones: Progress Through Kornblum Oxidation and C-H Functionalization. <b>2021</b> , 380, 1	3
81	Facile Access to Ring-Fused Aminals via Direct ⊞Amination of Secondary Amines with -Aminobenzaldehydes. Synthesis of Vasicine, Deoxyvasicine, Deoxyvasicinone, Mackinazolinone and Ruteacarpine. <b>2013</b> , 45, 1430-1748	14
80	Ir(III)-Catalysed electrooxidative intramolecular dehydrogenative C-H/N-H coupling for the synthesis of N-H indoles. <b>2021</b> , 57, 12309-12312	1
79	Advances in Pd-catalyzed C-C bond formation in carbohydrates and their applications in the synthesis of natural products and medicinally relevant molecules <b>2021</b> , 11, 34369-34391	1
78	Microwave-assisted palladium catalysed C-H acylation with aldehydes: synthesis and diversification of 3-acylthiophenes <b>2022</b> ,	
77	Direct Synthesis of Fluorescent Oxazolo-phenoxazines by Copper-Catalyzed/Hypervalent Iodine(III)-Mediated Dimerization/Cyclization of 2-Benzylamino-phenols <b>2022</b> ,	O
76	Recent Advances in C(sp3)& Phosphorylation Based on Secondary Phosphine Oxides and Phosphite Esters. <b>2021</b> , 41, 4138	1
75	Metal-Catalyzed Aerobic Oxidation Reactions. 2021,	Ο
74	On Inventing Cross-Dehydrogenative Coupling (CDC): Forming CL Bond from Two Different CH Bonds.	6
73	Sustainable C-H functionalizations under ball-milling, microwave-irradiation and aqueous media.	5
72	Free-Radical-Promoted Remote Unactivated C(sp)-H Dehydrogenative Coupling Reaction of Free Alcohols with Quinone and Chromone <b>2022</b> ,	1
71	Concomitant functionalization of two different ketones by merging Brfisted acid catalysis and radical relay coupling.	Ο

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70	Highly Efficient NHC-Iridium(I) Catalyzed Disulfide Bond Forming Reaction.	
69	Bis(2-methoxyethyl)ether promoted intramolecular acceptorless dehydrogenative coupling to construct structurally diverse quinazolinones by molecular oxygen.	1
68	Recent developments in the green synthesis of biologically relevant cinnolines and phthalazines. <b>2022</b> ,	
67	Oxidized Charcoal-Supported Thiol-Protected Palladium Nanoparticles for Cross Dehydrogenative Coupling of Heteroarenes.	1
66	Metal-free oxoammonium salt-mediated C(sp)-H oxidative Ugi-azide multicomponent reaction <b>2022</b> ,	0
65	Multiple annulations of inert C(sp)-H bonds with alkynes 2022,	6
64	Recent advances in photochemical and electrochemically induced thiocyanation: a greener approach for SCN-containing compound formation <b>2022</b> , 12, 6214-6233	5
63	ThermodynamicRinetic Comparison of Palladium(II)-Mediated Alcohol and Hydroquinone Oxidation.	
62	Tuning the Activity-Stability Balance of Photocatalytic Organic Materials for Oxidative Coupling Reactions <b>2022</b> ,	3
61	Iron-Catalyzed Oxidative C-O and C-N Coupling Reactions Using Air as Sole Oxidant 2022,	1
60	Oxidase-Type CB/CB Coupling Using an Isoquinoline-Derived Organic Photocatalyst.	
59	Oxidase-type C-H/C-H Coupling Using an Isoquinoline-Derived Organic Photocatalyst <b>2022</b> ,	O
58	Cu(I)-catalyzed cross dehydrogenative coupling (CDC) of ethers and substituted styrenes. <b>2022</b> , 110, 132704	
57	Progress of Metal-Free Visible-Light-Driven ECH Functionalization of Tertiary Amines: A Decade Journey.	3
56	A General, Multimetallic Cross-Ullmann Biheteroaryl Synthesis from Heteroaryl Halides and Heteroaryl Triflates <b>2021</b> ,	8
55	Easy Fabrication of Amorphous Covalent Organic Nanospheres Using Schiff-Base Chemistry for Iodine Capture. <b>2021</b> ,	O

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52 Hydrogen Atom Transfer Driven Enantioselective Minisci Reaction of Alcohols.

51	Basicity-Tuned Selectivity: Synthesis of Benzimidazolone and Benzodiazepine from N-Alkyl-N-(2-(pyridin-2-ylamino)-phenyl)formamides. <b>2022</b> , 42, 1146	
50	Thermodynamic and Kinetic Studies on Copper-Catalyzed Cross-Dehydrogenative Couplings of N-aryl Glycine Esters with Phenols.	2
49	Multicomponent reactions in the synthesis of organochalcogen compounds. <b>2022</b> , 3-30	
48	Ruthenium-catalyzed regioselective N-directed CH olefination of 2-phenylphthalazinone.	
47	Iodine Mediated Oxidative Cross-Coupling of Benzo[d]Imidazo[2,1-b]Thiazoles with Ethylbenzene: An Unprecedented Approach of C3-Dicarbonylation. 1-10	
46	Silver-Catalyzed Controlled Intermolecular Cross-Coupling of Silyl Enol Ethers: Scalable Access to 1,4-Diketones.	1
45	Electrochemically driven regioselective CH phosphorylation of group 8 metallocenes. 2022, 13,	2
44	Recent Developments in Synthesis of Sulfur Heterocycles via Copper-Catalyzed C-S Bond Formation Reaction. <b>2022</b> , 7, 143-152	
43	Microwave assisted CB cross-coupling reaction from thiols and 2-(4-bromo phenyl)-benzothiazole employed by CuI in acetonitrile.	0
42	Synergic Palladium Catalysis for Aerobic Oxidative Coupling.	
41	Metal-free radical cascade cyclization of 2-isocyanoaryl thioethers with alcohols: Synthesis of 2-hydroxyalkyl benzothiazoles. <b>2022</b> , 132927	
40	Copper-Catalyzed Oxidative 1,2-Alkylarylation of Styrenes with Unactivated C(sp 3)-H Alkanes and Electron-Rich Aromatics via C(sp 3)-H/C(sp 2)-H Functionalization.	O
39	Photoredox C(sp 3)II(sp 3) Cross-Dehydrogenative Coupling of Xanthene with I-keto Moiety using MoS 2 Quantum Dot (QD) Catalyst	O
38	Cross-Coupling of CEI and NEI Bonds: A Hydrogen Evolution Strategy for the Construction of CEI Bonds. <b>2022</b> , 2022,	1
37	Palladium-catalysed CH arylation of benzophospholes with aryl halides. <b>2022</b> , 13, 10950-10960	1
36	Synthesis of Quinazolin-4(3H)-ones via Ammonium Iodide-Catalyzed Dual Amination of sp3 CH Bonds. <b>2022</b> , 42, 2449	О
35	Visible-Light Mediated C?H Functionalization of Heteroarenes. 1-26	0

34	Copper-catalyzed C(sp 3 )⊞/N⊞ Cross Dehydrogenative Coupling Between Toluene Derivatives and Picolinamides.	O
33	Copper-Catalyzed C?H Functionalization: C?C Bond Construction via Cross Dehydrogenative Coupling (CDC). 1-40	O
32	Copper-Catalyzed sp 3 C?H Bond Functionalization. 1-32	O
31	Cp*Co(III)-Catalyzed C?H Functionalization Mediated by Oxidizing Directing Groups toward the Synthesis of Heterocycles. 1-28	O
30	Development of Synthetic Approaches to Biaryl Sultams via C?H Functionalization. 1-24	0
29	Copper-Catalyzed C?H Functionalization Intermediates and Mechanisms. 1-40	O
28	Electro-oxidation induced OB cross-coupling of quinoxalinones with sodium sulfinates for synthesizing 2-sulfonyloxylated quinoxalines.	1
27	Organothianthrenium salts: synthesis and utilization.	5
26	Metal-free polyporphyrin based photocatalysts for the functionalization of $C(sp3)$ bonds in water.	0
25	Hydride-Abstraction-Initiated Catalytic Stereoselective Intermolecular Bond-Forming Processes.	O
24	DTBP-mediated cross-dehydrogenative coupling of 3-aryl benzofuran-2(3H)-ones with toluenes/phenols for all-carbon quaternary centers. <b>2022</b> , 12, 35215-35220	O
23	Visible light-induced direct and highly selective C⊞ functionalization of quinoxalin-2(1H)-one without orientating group.	O
22	Ligand-Controlled Nickel-Catalyzed Regiodivergent Cross-Electrophile Alkyl-Alkyl Couplings of Alkyl Halides.	O
21	Ligand-Controlled Nickel-Catalyzed Regiodivergent Cross-Electrophile Alkyl-Alkyl Couplings of Alkyl Halides.	O
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