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Asymmetric	Transition	Metal-Catal	vzed Allvl	ic Alkylations

DOI: 10.1021/cr9409804 Chemical Reviews, 1996, 96, 395-422.

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2265	Crystal structure and fluxional behavior of novel Pd(II) allyl complexes containing a potentially tridentate S,N,S ligand: an example of selective syn-anti isomerism. <b>1998</b> , 277, 247-252	23
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2246	1-Alkenyllithium-Reagentien mit einem Heteroatomsubstituenten in der ⊞-Position: Carbanionen und Carbenoide zur C-C-Verknβfung. <b>1998</b> , 110, 444-465	38
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## (2000-1999)

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## (2001-2000)

2042	derived from it: isolation of rotational isomers. <b>2000</b> , 39, 5561-4	19
2041	Phosphinooxazolinesa new class of versatile, modular P,N-ligands for asymmetric catalysis. <b>2000</b> , 33, 336-45	1130
2040	Chiral P,N-bidentate ligands in coordination chemistry and organic catalysis involving rhodium and palladium. <b>2000</b> , 69, 661-682	66
2039	Rhodium-catalyzed ring opening of vinyl epoxides with alcohols and aromatic amines. <b>2000</b> , 2, 2319-21	96
2038	Nitrogen-containing ligands for asymmetric homogeneous and heterogeneous catalysis. <i>Chemical Reviews</i> , <b>2000</b> , 100, 2159-232	761
2037	Regio- and diastereoselective tandem rhodium-catalyzed allylic alkylation/Pauson-Khand annulation reactions. <b>2001</b> , 123, 4609-10	144
2036	Synthesis of dihydrobenzazaphosphole ligands via an intramolecular cyclisation reaction. <b>2001</b> , 2588-2594	9
2035	Formation of cyclic ethers via the palladium-catalyzed cycloaddition of activated olefins with allylic carbonates having a hydroxy group at the terminus of the carbon chain. <b>2001</b> , 66, 7142-7	48
2034	A new tetratertiary phosphine ligand and its use in Pd-catalyzed allylic substitution. <b>2001</b> , 66, 1633-7	92
2033	Wide bite angle diphosphines: xantphos ligands in transition metal complexes and catalysis. <b>2001</b> , 34, 895-904	434
2032	Synthesis and application of chiral P,N-ligands with pseudo-meso and pseudo-C(2) symmetry. <b>2001</b> , 3, 2525-8	42
2031	Highly regio- and enantioselective Pd-catalyzed allylic alkylation and amination of monosubstituted allylic acetates with novel ferrocene P,N-ligands. <b>2001</b> , 123, 7471-2	268
2030	Enantioconvergent synthesis by sequential asymmetric Horner-Wadsworth-Emmons and palladium-catalyzed allylic substitution reactions. <b>2001</b> , 123, 9738-42	50
2029	Geminal dicarboxylates as carbonyl surrogates for asymmetric synthesis. Part I. Asymmetric addition of malonate nucleophiles. <b>2001</b> , 123, 3671-86	68
2028	Palladium-catalyzed allylic alkylation using chiral hydrazones as ligands. <b>2001</b> , 66, 1795-7	59
2027	Investigations in the transition metal catalyzed aziridination of olefins, amination, and other insertion reactions with Bromamine-T as the source of nitrene. <b>2001</b> , 66, 30-4	119
2026	Importance of planar chirality in chiral catalysts with three chiral elements: the role of planar chirality in 2'-substituted 1,1'-P,N-ferrocene ligands on the enantioselectivity in Pd-catalyzed allylic substitution. <b>2001</b> , 123, 6508-19	100
2025	Novel use of ring strain to control regioselectivity: alkene-directed, palladium-catalyzed allylation. <b>2001</b> , 123, 9174-5	39

2024	Steric and electronic ligand perturbations in catalysis: asymmetric allylic substitution reactions using C2-symmetrical phosphorus-chiral (bi)ferrocenyl donors. <b>2001</b> , 66, 759-70	66
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2022	Mechanistic Studies of the Palladium-Catalyzed Ring Opening of Oxabicyclic Alkenes with Dialkylzinc. <b>2001</b> , 123, 6834-6839	112
2021	Regioselective rhodium-catalyzed allylic linchpin cross-coupling reactions: diastereospecific construction of anti-1,3-carbon stereogenic centers and C(2)-symmetrical fragments. <b>2001</b> , 123, 1234-5	50
2020	A Novel Chiral Phosphino Phosphaferrocene: Its Coordination Behavior and Application to Palladium-Catalyzed Asymmetric Allylic Alkylation. <b>2001</b> , 20, 3913-3917	52
2019	Dendrimer <b>P</b> hosphine Complexes with Platinum(0) at the Core. <b>2001</b> , 20, 5342-5350	28
2018	Isomerization and Reactivity of Allyl Groups Adsorbed on Coinage Metals 2001, 105, 3908-3916	11
2017	First examples of enantioselective palladium-catalyzed thiocarbonylation of prochiral 1,3-conjugated dienes with thiols and carbon monoxide: efficient synthesis of optically active beta,gamma-unsaturated thiol esters. <b>2001</b> , 66, 6229-33	56
2016	Enantioselective copper-catalyzed allylic alkylation with dialkylzincs using phosphoramidite ligands. <b>2001</b> , 3, 1169-71	100
2015	An application of electronic asymmetry to highly enantioselective catalytic Diels-Alder reactions. <b>2001</b> , 123, 2525-9	99
2014	Novel substituent and chelating effects in the Pd-catalyzed reaction of 2,3-allenols, aryl iodides, and amines. Highly regio- and stereoselective synthesis of 2-Amino-3-alken-1-ols or 4-Amino-2(E)-alken-1-ols. <b>2001</b> , 123, 5578-9	64
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2001	Selective reactions of reactive amino groups in polyamino compounds by metal-chelated or -mediated methods. <b>2001</b> , 57, 4801-4815	22
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1998	Synthesis, molecular structure and fluxional behavior of (R)-7-p-tolyldinaphtho[2,1-b;1?,2?-d]stibole: the first isolated example of optically active group 15 dinaphthoheteroles. <b>2001</b> , 42, 441-444	10
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1996	Novel chiral phosphine®xazinane ligands in palladium-catalyzed asymmetric allylic alkylation. <b>2001</b> , 42, 4837-4839	27
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1988	Palladium-catalyzed asymmetric allylic alkylation using chiral aminophosphine ligands. <b>2001</b> , 12, 1677-1682	24
1987	Palladium-catalyzed asymmetric allylic alkylation using (R)-2-(methoxymethyl)pyrrolidine-derived aminophosphine ligands. <b>2001</b> , 12, 2435-2440	34
1986	Synthesis of new chiral thiazoline-containing ligands. <b>2001</b> , 12, 2851-2859	51
1985	Palladium-catalyzed asymmetric allylic alkylation using iminophosphine ligands derived from chiral primary 1-ferrocenylalkylamines. <b>2001</b> , 12, 2793-2799	26
1984	Preparation of new chiral pyridinephosphine ligands and their Pd-catalyzed asymmetric allylic alkylations. <b>2001</b> , 12, 2999-3006	21
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1979	A Study on the Allylic Substitution of (1R,5R,8R)- and (1R,5R,8S)-8-Hydroxy-2-oxabicyclo[3.3.0]oct-6-en-3-one Derivatives IPreparation of (1S,2R,3R)-9-[2-Hydroxy-3-(2-hydroxyethyl)cyclopent-4-en-1-yl]-9H-adenine. <b>2001</b> , 2001, 1129-1136	3
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1976	Chelated Enolates of Amino Acid Esters [New and Efficient Nucleophiles for Isomerization-Free, Stereoselective Palladium-Catalyzed Allylic Substitutions. <b>2001</b> , 2001, 4067-4076	42
1975	TADDOLe, ihre Derivate und Analoga Dielseitige chirale Hilfsstoffe. <b>2001</b> , 113, 96-142	129
1974	HemilabilitĒvon Hybridliganden und die Koordinationschemie von Oxazolinliganden. <b>2001</b> , 113, 702-722	132
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1971	Mechanistic Rationale of a Palladium-Catalyzed Allylic Substitution Polymerization[arbon[arbon Bond-Forming Polycondensation out of Stoichiometric Control by Cascade Bidirectional Allylation. <b>2001</b> , 113, 1986-1989	2

# (2001-2001)

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1969	Enantioselektiver Aufbau quartfer Stereozentren. <b>2001</b> , 113, 4725-4732	241
1968	Determination of absolute configuration of (pi-allyl) palladium complexes by NMR spectroscopy and stereoselective complexation. <b>2001</b> , 7, 396-403	28
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1966	Asymmetric induction of conduritols via AAA reactions: synthesis of the aminocyclohexitol of hygromycin A. <b>2001</b> , 7, 1619-29	41
1965	AAA in KAT/DYKAT processes: first- and second-generation asymmetric syntheses of (+)- and (-)-cyclophellitol. <b>2001</b> , 7, 3768-75	44
1964	(Phosphanyloxazoline)palladium complexes, part I: (Eta3-1,3-dialkylallyl)(phosphanyloxazoline)palladium complexes: X-ray crystallographic studies, NMR investigations, and quantum-chemical calculations. <b>2001</b> , 7, 4913-27	92
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1960	Modular Pyridinyl Peptide Ligands in Asymmetric Catalysis: Enantioselective Synthesis of Quaternary Carbon Atoms Through Copper-Catalyzed Allylic Substitutions. <b>2001</b> , 40, 1456-1460	140
1959	Mechanistic Rationale of a Palladium-Catalyzed Allylic Substitution Polymerization@arbon@arbon Bond-Forming Polycondensation out of Stoichiometric Control by Cascade Bidirectional Allylation. <b>2001</b> , 40, 1932-1935	47
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1957	Enantioselective Construction of Quaternary Stereocenters. <b>2001</b> , 40, 4591-4597	624
1956	New, optically active phosphine oxazoline (JM-Phos) ligands: syntheses and applications in allylation reactions. <b>2001</b> , 66, 206-15	86
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1954	Optically active C3-symmetric triarylphosphines in asymmetric allylations. <b>2001</b> , 57, 5027-5038	17
1953	Rhodium-catalysed asymmetric ring opening reactions with carboxylate nucleophiles. <b>2001</b> , 57, 5067-5072	65

1952	Chiral 2-(2-diphenylphosphinophenyl)-5,6,7,8-tetrahydroquinolines: new PN ligands for asymmetric catalysis. <b>2001</b> , 57, 9989-9996	27
1951	Synthesis and fluxional behavior of dinaphtho[2,1- b;1?,2?- d]-siloles and -germoles, involving the first example of optically active group 14 dinaphthoheterols. <b>2001</b> , 57, 10047-10053	14
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1948	Molybdenum-Catalyzed Allylic Substitution in Glycals: A C-C Bond-Forming Ferrier-Type Reaction. <b>2001</b> , 66, 1735-1745	8
1947	Synthetic Studies on Halichlorine and Pinnaic Acid: Palladium-mediated Construction of the Bicyclic Spiro Core. <b>2001</b> , 54, 871	19
1946	(R,R)-1,2-Diamino-1,2-di-tert-butylethane. <b>2002</b> ,	
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1931	Diastereoselective reactions of delta-oxy-substituted allylic acetates with organocopper reagents. <b>2002</b> , 67, 3000-6	16
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1928	Allenes as carbon nucleophiles in palladium-catalyzed reactions: observation of anti attack of allenes on (pi-allyl)palladium complexes. <b>2002</b> , 124, 11246-7	39
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1912	The coordination behaviour of large natural bite angle diphosphine ligands towards methyl and 4-cyanophenylpalladium(II) complexes. <b>2002</b> , 2308	123
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1907	A Stereospecific Ruthenium-Catalyzed Allylic Alkylation. <b>2002</b> , 114, 1101-1103	61
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1894	Palladium Complexes of Phosphane-Functionalised Carbosilane Dendrimers as Catalysts in a Continuous-Flow Membrane Reactor. <b>2002</b> , 2002, 1085-1095	48
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## (2005-2005)

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1400	Regioselective synthesis of trifluoromethyl group substituted allylic amines via palladium-catalyzed allylic amination. <b>2008</b> , 49, 2450-2453	34
1399	Iodine-catalyzed allylic alkylation of sulfonamides and carbamates with allylic alcohols at room temperature. <b>2008</b> , 49, 2620-2624	45
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## (2009-2009)

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## (2009-2009)

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#### (2012-2012)

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951	Diverse Coordination Modes and Transformations of Allenes at Adjacent Iridium/Osmium Centers. <b>2012</b> , 31, 4516-4528	1
950	Enantioselective synthesis of tetrahydroisoquinolines via iridium-catalyzed intramolecular Friedel-Crafts-type allylic alkylation of phenols. <b>2012</b> , 14, 2579-81	48
949	Preparation of C2-symmetric allenes by palladium-catalyzed double-nucleophilic substitution on 3-bromopenta-2,4-dienyl acetate. <b>2012</b> , 77, 5406-10	11
948	A simple and efficient method for the allylation of heteroarenes catalyzed by PdCl2. <b>2012</b> , 68, 6837-6842	15
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942	Decarboxylative allylation of trifluoroethyl sulfones and approach to difluoromethyl compounds. <b>2012</b> , 14, 5366-9	12
941	Silylketenimine Dielseitige Nucleophile fil die katalytische asymmetrische Synthese. <b>2012</b> , 124, 10120-10132	32
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933	Asymmetric allylic alkylation of acyclic allylic ethers with organolithium reagents. <b>2012</b> , 18, 11880-3	33
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931	Metal-Catalyzed C⊞eteroatom Cross-Coupling Reactions. <b>2012</b> , 77-109	6
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906	The enterprise of synthesis: from concept to practice. <b>2012</b> , 77, 6657-88	23
905	From C(sp2)-H to C(sp3)-H: systematic studies on transition metal-catalyzed oxidative C-C formation. <b>2012</b> , 41, 5588-98	694
904	Fluorescent chemodosimeters using "mild" chemical events for the detection of small anions and cations in biological and environmental media. <b>2012</b> , 41, 4511-35	594
903	Rhodium-Catalyzed Allylic Substitution Reactions with Indium(III) Organometallics. <b>2012</b> , 2012, 3018-3023	12
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899	Synergistic Catalysis: A Powerful Synthetic Strategy for New Reaction Development. <b>2012</b> , 2012, 633-658	863
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897	Palladium-Catalyzed, Highly Efficient, Regiocontrolled Arylation of Electron-Rich Allylamines with Aryl Halides. <b>2012</b> , 354, 899-907	17
896	Palladium-Catalyzed Heck-Type Reactions of Allylic Esters with Arylboronic Acids or Potassium Aryltrifluoroborates. <b>2012</b> , 354, 1069-1076	14
895	Iridium-Catalyzed Enantioselective Allylic Alkylation of Methyl 2-(4-nitrophenylsulfonyl)acetate and Subsequent Transformations. <b>2012</b> , 354, 2275-2282	13
894	Palladium-Catalyzed Divergent Reactions of $\oplus$ -Diazocarbonyl Compounds with Allylic Esters: Construction of Quaternary Carbon Centers. <b>2012</b> , 124, 1399-1403	29
893	Gold(I)-Catalyzed Enantioselective Intramolecular Dehydrative Amination of Allylic Alcohols with Carbamates. <b>2012</b> , 124, 1434-1436	29
892	Direkte, enantioselektive Iridium-katalysierte allylische Aminierung von racemischen Allylalkoholen. <b>2012</b> , 124, 3527-3530	61
891	Highly Enantioselective Synthesis of 3-Substituted Furanones by Palladium-Catalyzed Kinetic Resolution of Unsymmetrical Allyl Acetates. <b>2012</b> , 124, 3222-3227	16

# (2012-2012)

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889	Palladium-Catalyzed Alkylation of 1,4-Dienes by C?H Activation. <b>2012</b> , 124, 5034-5037	26
888	Enantioselective Rhodium-Catalyzed Addition of Potassium Alkenyltrifluoroborates to Cyclic Imines. <b>2012</b> , 124, 6866-6870	42
887	Eine diastereodivergente De-Epimerisierung in einer katalytischen asymmetrischen allylischen Alkylierung. <b>2012</b> , 124, 7426-7429	24
886	Enantioselective Rhodium-Catalyzed Nucleophilic Allylation of Cyclic Imines with Allylboron Reagents. <b>2012</b> , 124, 8434-8438	57
885	Highly enantioselective synthesis of 3-substituted Ebutenolides by palladium-catalyzed kinetic resolution of unsymmetrical allyl acetates. <b>2012</b> , 51, 3168-73	45
884	Regioselective and stereospecific cross-coupling of primary allylic amines with boronic acids and boronates through palladium-catalyzed C-N bond cleavage. <b>2012</b> , 51, 2968-71	120
883	Palladium-catalyzed alkylation of 1,4-dienes by C-H activation. <b>2012</b> , 51, 4950-3	75
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881	Diastereodivergent de-epimerization in catalytic asymmetric allylic alkylation. <b>2012</b> , 51, 7314-7	51
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875	Palladium-catalyzed highly regioselective and stereoselective arylation of electron-rich allylamines with aryl bromides. <b>2012</b> , 68, 4919-4926	13
874	Furanoside phosphitephosphoroamidite and diphosphoroamidite ligands applied to asymmetric Cu-catalyzed allylic substitution reactions. <b>2012</b> , 23, 67-71	8
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868	Palladium-catalyzed divergent reactions of ⊞-diazocarbonyl compounds with allylic esters: construction of quaternary carbon centers. <b>2012</b> , 51, 1370-4	101
867	Gold(I)-catalyzed enantioselective intramolecular dehydrative amination of allylic alcohols with carbamates. <b>2012</b> , 51, 1405-7	62
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## (2016-2013)

854	A Pd(0)-catalyzed direct dehydrative coupling of terminal alkynes with allylic alcohols to access 1,4-enynes. <b>2013</b> , 135, 12536-9	69
853	Highly tunable anionic tethered N-heterocyclic carbene of Pd(II) complexes for asymmetric allylic alkylation reaction. <b>2013</b> , 726, 46-55	22
852	Cross-Coupling of Organyl Halides with Alkenes I The Heck Reaction. <b>2013</b> , 533-663	2
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845	Optical Resolution, Determination of Absolute Configuration, and Photoracemization of cis-RuL2(CN)2 ( $L = 2,2'$ -Bipyridine and Its Analogues). <b>2016</b> , 55, 8387-95	6
844	Palladium-Catalyzed Enantioselective Heteroannulation of 1,3-Dienes by Functionally Substituted Aryl Iodides. <b>2016</b> , 81, 9402-9408	29
843	Enantioselective Cu(II)-catalyzed Henry reactions with chiral cyclohexane-based amidophosphine ligands. <b>2016</b> , 27, 923-929	9
842	Rhodium-Catalyzed Oxidative C-H Allylation of Benzamides with 1,3-Dienes by Allyl-to-Allyl 1,4-Rh(III) Migration. <b>2016</b> , 138, 12252-7	65
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838	Iridium-Catalyzed Diastereo-, Enantio-, and Regioselective Allylic Alkylation with Prochiral Enolates. <b>2016</b> , 6, 6207-6213	122
837	Organocatalytic ∃-Allylation of ∃-Branched Aldehydes by Synergistic Catalysis of Brfisted Acids and Amines. <b>2016</b> , 2016, 4768-4772	3

836	F Nucleophilic-Addition-Induced Allylic Alkylation. <b>2016</b> , 138, 15869-15872	72
835	A Metal-Free Synthesis of 2-Alkyl(or Aryl) Thiomethyl-2-cyclohexenones from Cyclic Morita <b>B</b> aylis⊞illman Bromides. <b>2016</b> , 99, 704-709	2
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828	Palladium-Catalyzed Synthesis of Alkynes via a Tandem Decarboxylation/Elimination of (E)-Enol Triflates. <b>2016</b> , 18, 3937-9	1
827	A mechanistic study on multifunctional Fei-Phos ligand-controlled asymmetric palladium-catalyzed allylic substitutions. <b>2016</b> , 6, 70624-70631	10
826	Temperature-controlled redox-neutral ruthenium(ii)-catalyzed regioselective allylation of benzamides with allylic acetates. <b>2016</b> , 14, 7691-701	27
825	Synthesis of ⊞-Fluoroketones by Insertion of HF into a Gold Carbene. <b>2016</b> , 128, 10186-10190	9
824	Synthesis of ⊞-Fluoroketones by Insertion of HF into a Gold Carbene. <b>2016</b> , 55, 10032-6	43
823	Palladium-Catalyzed Dearomative Allylic Alkylation of Indoles with Alkynes To Synthesize Indolenines with C3-Quarternary Centers. <b>2016</b> , 18, 3906-9	45
822	Palladium-Catalyzed Diastereoselective $\oplus$ -Allylation of Chiral Sulfinimines. <b>2016</b> , 2016, 3500-3504	11
821	Branching Out: Rhodium-Catalyzed Allylation with Alkynes and Allenes. <b>2016</b> , 49, 1524-36	221
820	Enantioselective Rhodium-Catalyzed Atom-Economical Macrolactonization. <b>2016</b> , 55, 9738-42	34
819	Rhodium-Catalyzed Diastereoselective Cyclization of Allenyl-Sulfonylcarbamates: A Stereodivergent Approach to 1,3-Aminoalcohol Derivatives. <b>2016</b> , 55, 15569-15573	43

## (2016-2016)

818	Rhodium-Catalyzed Diastereoselective Cyclization of Allenyl-Sulfonylcarbamates: A Stereodivergent Approach to 1,3-Aminoalcohol Derivatives. <b>2016</b> , 128, 15798-15802	28
817	Enantioselective Rhodium-Catalyzed Allylic Alkylation of Prochiral ⊞,∃-Disubstituted Aldehyde Enolates for the Construction of Acyclic Quaternary Stereogenic Centers. <b>2016</b> , 138, 15303-15306	49
816	Nickel(II)-Catalyzed Enantioselective ⊞-Vinylation of Keto Amides/Esters with Hypervalent Iodine Salts. <b>2016</b> , 18, 5540-5543	21
815	Enantioselective Rhodium-Catalyzed Atom-Economical Macrolactonization. <b>2016</b> , 128, 9890-9894	17
814	Palladium-Catalyzed Regio- and Enantioselective Synthesis of Allylic Amines Featuring Tetrasubstituted Tertiary Carbons. <b>2016</b> , 138, 14194-14197	137
813	Regioselective Rhodium-Catalyzed Addition of 眯eto Esters, 眯eto Amides, and 1,3-Diketones to Internal Alkynes. <b>2016</b> , 2016, 5839-5844	44
812	Stereodivergent and Protecting-Group-Free Synthesis of the Helicascolide Family: A Rhodium-Catalyzed Atom-Economical Lactonization Strategy. <b>2016</b> , 128, 5859-5863	12
811	Mutual Cooperation in the Formal Allyl Alcohol Nucleophilic Substitution and Hydration of Alkynes for the Construction of Ebubstituted Ketones. <b>2016</b> , 22, 6458-65	5
810	Nickel-Catalyzed Asymmetric Kumada Cross-Coupling of Symmetric Cyclic Sulfates. <b>2016</b> , 138, 7824-7	31
809	Cooperative N-Heterocyclic Carbene/Palladium-Catalyzed Enantioselective Umpolung Annulations. <b>2016</b> , 138, 7840-3	222
808	Cooperative Pd(0)/Rh(II) Dual Catalysis: Interceptive Capturing of EAllyl Pd(II) Complexes with $\Box$ -Imino Rh(II) Carbenoids. <b>2016</b> , 6, 4914-4919	39
807	SambVca 2. A Web Tool for Analyzing Catalytic Pockets with Topographic Steric Maps. <b>2016</b> , 35, 2286-2293	468
806	Total Synthesis of (+)-SCH 351448: Efficiency via Chemoselectivity and Redox-Economy Powered by Metal Catalysis. <b>2016</b> , 138, 8088-91	11
805	Sulfur-containing derivatives from (1R)-(I-myrtenal designed as chiral ligands. 2016, 72, 3851-3857	9
804	Kinetic Resolution of Racemic and Branched Monosubstituted Allylic Acetates by a Ruthenium-Catalyzed Regioselective Allylic Etherification. <b>2016</b> , 81, 5766-74	11
803	Diastereodivergente inverse Prenylierung von Indol- und Tryptophan-Derivaten: Totalsynthese von Amauromin, Novoamauromin und epi-Amauromin. <b>2016</b> , 128, 4877-4881	12
802	Iridium-Catalyzed Enantioselective Indole Cyclization: Application to the Total Synthesis and Absolute Stereochemical Assignment of (Aspidophylline A. <b>2016</b> , 128, 4112-4116	45
801	Asymmetric Allylic Alkylation of 胀etoesters with Allylic Alcohols by a Nickel/Diphosphine Catalyst. <b>2016</b> , 55, 1098-101	86

800	Iridium-Catalyzed Diastereoselective and Enantioselective Allylic Substitutions with Acyclic ∃-Alkoxy Ketones. <b>2016</b> , 55, 5819-23	74
799	Asymmetric Catalysis with CO2 : The Direct ⊞-Allylation of Ketones. <b>2016</b> , 55, 6099-102	65
798	Metal-Free Catalyzed Regioselective Allylic Trifluoromethanesulfonylation of Aromatic Allylic Alcohols with Sodium Trifluoromethanesulfinate. <b>2016</b> , 81, 1304-9	33
797	Synthesis of novel chiral biquinolyl diphosphine ligand and its applications in palladium-catalyzed asymmetric allylic substitution reactions. <b>2016</b> , 57, 845-848	6
796	Palladium-catalyzed enantioselective allylic alkylation of trifluoromethyl group substituted racemic and acyclic unsymmetrical 1,3-disubstituted allylic esters with malonate anions. <b>2016</b> , 14, 3501-5	19
795	Palladium-Catalyzed Asymmetric Allylic Alkylations with Toluene Derivatives as Pronucleophiles. <b>2016</b> , 55, 2526-30	46
794	Regioselective Asymmetric Allylic Alkylation Reaction of $\square$ -Cyanoacet[ates Catalyzed by a Heterobimetallic Platina-/Palladacycle. <b>2016</b> , 2016, 210-227	7
793	Facile Generation and Isolation of EAllyl Complexes from Aliphatic Alkenes and an Electron-Deficient Rh(III) Complex: Key Intermediates of Allylic CH Functionalization. <b>2016</b> , 35, 1547-1552	57
792	Synthesis of chiral S , N -thioimidazoline ligands for palladium-catalyzed asymmetric allylic alkylations. <b>2016</b> , 27, 163-170	7
791	Asymmetric synthesis of allylic amines hydroamination of allenes with benzophenone imine. <b>2016</b> , 7, 3313-3316	43
790	Conformational Preferences of a Tropos Biphenyl Phosphinooxazoline Ligand with Wide Substrate Scope. <b>2016</b> , 6, 1701-1712	19
789	Design and Synthesis of Molecular Scaffolds with Anti-infective Activity. <b>2016</b> , 72, 3579-3592	4
788	A General Route to 野ubstituted Pyrroles by Transition-Metal Catalysis. <b>2016</b> , 81, 1450-60	25
787	Regioselective Rhodium-Catalyzed Addition of 1,3-Dicarbonyl Compounds to Terminal Alkynes. <b>2016</b> , 18, 124-7	71
786	Polymeric Halanine incarcerated Pd(II) catalyzed allylic etherification in water: a mild and efficient method for the formation of C(sp3) bonds. <b>2016</b> , 6, 8282-8289	12
785	The Use of Gases in Flow Synthesis. <b>2016</b> , 20, 327-360	221
784	Advances in Asymmetric Diastereodivergent Catalysis. <b>2017</b> , 359, 534-575	130
783	Regio- and Enantioselective Rhodium-Catalyzed Addition of 1,3-Diketones to Allenes: Construction of Asymmetric Tertiary and Quaternary All Carbon Centers. <b>2017</b> , 56, 1903-1907	79

782	Stereodivergent Coupling of Aldehydes and Alkynes via Synergistic Catalysis Using Rh and Jacobsen's Amine. <b>2017</b> , 139, 1029-1032	160
781	Regio- and Enantioselective Rhodium-Catalyzed Addition of 1,3-Diketones to Allenes: Construction of Asymmetric Tertiary and Quaternary All Carbon Centers. <b>2017</b> , 129, 1929-1933	39
78o	Catalytic Enantioselective Transformations Involving C-H Bond Cleavage by Transition-Metal Complexes. <i>Chemical Reviews</i> , <b>2017</b> , 117, 8908-8976	586
779	Formation of 2-Azaallyl Cobalt(I) Complexes by Csp3H Bond Activation. <b>2017</b> , 36, 975-980	4
778	Enantioselective Terminal Addition to Allenes by Dual Chiral Primary Amine/Palladium Catalysis. <b>2017</b> , 139, 3631-3634	7º
777	Advances in Stereoconvergent Catalysis from 2005 to 2015: Transition-Metal-Mediated Stereoablative Reactions, Dynamic Kinetic Resolutions, and Dynamic Kinetic Asymmetric 68.1 Transformations. <i>Chemical Reviews</i> , <b>2017</b> , 117, 4528-4561	169
776	Palladium-catalysed ⊞-allylation of chiral sulfinimines derived from symmetric cyclic ketones. <b>2017</b> , 58, 1146-1150	6
775	Asymmetric Alkylation of Anthrones, Enantioselective Total Synthesis of (-)- and (+)-Viridicatumtoxins B and Analogues Thereof: Absolute Configuration and Potent Antibacterial Agents. <b>2017</b> , 139, 3736-3746	23
774	Study of Intermediates in Iridium-(Phosphoramidite,Olefin)-Catalyzed Enantioselective Allylic Substitution. <b>2017</b> , 139, 3603-3606	96
773	Enantioselective Dearomatization of Naphthol Derivatives with Allylic Alcohols by Cooperative Iridium and Brfisted Acid Catalysis. <b>2017</b> , 129, 3290-3294	26
772	Enantioselective Dearomatization of Naphthol Derivatives with Allylic Alcohols by Cooperative Iridium and Brfisted Acid Catalysis. <b>2017</b> , 56, 3242-3246	85
771	Palladium-Catalyzed Electrochemical Allylic Alkylation between Alkyl and Allylic Halides in Aqueous Solution. <b>2017</b> , 19, 2022-2025	40
770	Palladium-catalyzed diastereoselective synthesis of homoaldol equivalent products. <b>2017</b> , 58, 2131-2134	4
769	Cu/Pd Synergistic Dual Catalysis: Asymmetric ⊞-Allylation of an ⊞-CF3 Amide. <b>2017</b> , 129, 5643-5647	15
768	Cu/Pd Synergistic Dual Catalysis: Asymmetric ⊞-Allylation of an ⊞-CF Amide. <b>2017</b> , 56, 5551-5555	64
767	Direct use of allylic alcohols and allylic amines in palladium-catalyzed allylic amination. <b>2017</b> , 53, 5151-5154	36
766	Asymmetric Allylic Alkylation and Hydrogenation with Transition Metal Complexes of Diphosphite Ligands Based on (1S,2S)-Trans-1,2-cyclohexanediol. <b>2017</b> , 147, 893-899	0
765	Chemo-, Regio-, and Enantioselective Rhodium-Catalyzed Allylation of Pyridazinones with Terminal Allenes. <b>2017</b> , 19, 2326-2329	23

764	Pd(II)-Catalyzed Aerobic Intermolecular 1,2-Diamination of Conjugated Dienes: A Regio- and Chemoselective [4 + 2] Annulation for the Synthesis of Tetrahydroquinoxalines. <b>2017</b> , 19, 2813-2816	30
763	Design and Enantioselective Synthesis of 眇inyl Tryptamine Building Blocks for Construction of Privileged Chiral Indole Scaffolds. <b>2017</b> , 7, 4047-4052	15
762	Nickel-Catalyzed ⊞-Allylation of Aldehydes and Tandem Aldol Condensation/Allylation Reaction with Allylic Alcohols. <b>2017</b> , 56, 7460-7464	47
761	Palladium-Catalyzed Cascade sp2 CH Functionalization/Intramolecular Asymmetric Allylation: From Aryl Ureas and 1,3-Dienes to Chiral Indolines. <b>2017</b> , 129, 6741-6745	17
760	Nickel-Catalyzed ⊞-Allylation of Aldehydes and Tandem Aldol Condensation/Allylation Reaction with Allylic Alcohols. <b>2017</b> , 129, 7568-7572	18
759	Palladium-Catalyzed Cascade sp C-H Functionalization/Intramolecular Asymmetric Allylation: From Aryl Ureas and 1,3-Dienes to Chiral Indolines. <b>2017</b> , 56, 6641-6645	71
758	Total synthesis of the antibiotic 4-hydroxycyclopent-2-en-1-one acrylate derivative EA-2801. <b>2017</b> , 58, 2337-2339	5
757	Palladium-catalyzed asymmetric allylic amination: enantioselective synthesis of chiral ⊞-methylene substituted ∰aminophosphonates. <b>2017</b> , 4, 271-276	22
756	Alkine als alternativer Einstieg in elektrophile und nukleophile Bergangsmetall-katalysierte Allylierungen. <b>2017</b> , 129, 11466-11480	34
755	Enantioselective Construction of Acyclic Quaternary Carbon Stereocenters: Palladium-Catalyzed Decarboxylative Allylic Alkylation of Fully Substituted Amide Enolates. <b>2017</b> , 139, 9615-9620	66
754	Rhodium-Catalyzed Regioselective Domino Azlactone-Alkyne Coupling/Aza-Cope Rearrangement: Facile Access to 2-Allyl-3-oxazolin-5-ones and Trisubstituted Pyridines. <b>2017</b> , 56, 8422-8425	31
753	Rhodium-Catalyzed Regioselective Domino AzlactoneAlkyne Coupling/Aza-Cope Rearrangement: Facile Access to 2-Allyl-3-oxazolin-5-ones and Trisubstituted Pyridines. <b>2017</b> , 129, 8542-8545	17
752	Catalytic Asymmetric Synthesis of Butenolides and Butyrolactones. <i>Chemical Reviews</i> , <b>2017</b> , 117, 10502- <b>605</b> 66	5 227
75 <sup>1</sup>	Iridium-Catalyzed Enantioselective Allylic Substitution of Aliphatic Esters with Silyl Ketene Acetals as the Ester Enolates. <b>2017</b> , 56, 8887-8891	36
750	Rhodium/Lewis Acid Catalyzed Regioselective Addition of 1,3-Dicarbonyl Compounds to Internal Alkynes. <b>2017</b> , 36, 2323-2330	18
749	Palladium-Promoted Neutral 1,4-Brook Rearrangement/Intramolecular Allylic Cyclization Cascade Reaction: A Strategy for the Construction of Vinyl Cyclobutanols. <b>2017</b> , 19, 3478-3481	7
748	Asymmetric Syntheses of Amaryllidaceae Alkaloids (-)-Crinane and (+)-4a-Dehydroxycrinamabine. <b>2017</b> , 19, 3516-3519	14
747	Enantio- and Diastereoselective Spiroketalization Catalyzed by Chiral Iridium Complex. <b>2017</b> , 139, 8082-8085	71

# (2017-2017)

746	Enantioselective Nickel-Catalyzed Intramolecular Allylic Alkenylations Enabled by Reversible Alkenylnickel E/Z Isomerization. <b>2017</b> , 129, 8328-8332	11
745	Enantioselective Nickel-Catalyzed Intramolecular Allylic Alkenylations Enabled by Reversible Alkenylnickel E/Z Isomerization. <b>2017</b> , 56, 8216-8220	38
744	Pd(II)-Catalyzed, Picolinamide-Assisted, Z-Selective EArylation of Allylamines To Construct Z-Cinnamylamines. <b>2017</b> , 82, 6550-6567	24
743	Alkynes as Electrophilic or Nucleophilic Allylmetal Precursors in Transition-Metal Catalysis. <b>2017</b> , 56, 11312-11325	98
742	Iridium-Catalyzed Enantioselective Allylic Substitution of Aliphatic Esters with Silyl Ketene Acetals as the Ester Enolates. <b>2017</b> , 129, 9013-9017	12
741	Palladium-Catalyzed Asymmetric Construction of Vicinal Tertiary and All-Carbon Quaternary Stereocenters by Allylation of Ketocarbonyls with Morita-Baylis-Hillman Adducts. <b>2017</b> , 56, 5050-5054	59
740	Palladium-Catalyzed Asymmetric Construction of Vicinal Tertiary and All-Carbon Quaternary Stereocenters by Allylation of Ketocarbonyls with MoritaBaylis⊞illman Adducts. <b>2017</b> , 129, 5132-5136	17
739	Rhodium-catalyzed addition of sulfonyl hydrazides to allenes: regioselective synthesis of branched allylic sulfones. <b>2017</b> , 53, 4966-4968	42
738	Transition-Metal-Catalyzed Regiodivergent and Stereoselective Access to Branched and Linear Allylated 4-Pyridones. <b>2017</b> , 23, 6531-6534	21
737	Palladium-catalyzed allylic alkylation with internal alkynes to construct CII and CIN bonds in water. <b>2017</b> , 19, 1861-1865	27
736	Photoredox-catalyzed oxytrifluoromethylation of allenes: stereoselective synthesis of 2-trifluoromethylated allyl acetates. <b>2017</b> , 53, 4681-4684	26
735	Mechanistic Studies on a Cu-Catalyzed Asymmetric Allylic Alkylation with Cyclic Racemic Starting Materials. <b>2017</b> , 139, 5614-5624	35
734	Green and Scalable Palladium-on-Carbon-Catalyzed Tsujillrost Coupling Reaction Using an Efficient and Continuous Flow System. <b>2017</b> , 2017, 1078-1085	8
733	Transition metal catalysis-a unique road map in the stereoselective synthesis of 1,3-polyols. <b>2017</b> , 15, 733-761	29
732	Palladium Catalyst Supported on Zeolite for Cross-coupling Reactions: An Overview of Recent Advances. <b>2017</b> , 375, 2	24
731	The Construction of Chiral Fused Azabicycles Using a Pd-Catalyzed Allylic Substitution Cascade and Asymmetric Desymmetrization Strategy. <b>2017</b> , 19, 238-241	25
730	Rhodium/zinc co-catalyzed asymmetric ring opening reactions of oxabenzonorbornadienes with carboxylic acids. <b>2017</b> , 28, 62-68	10
729	Palladium-Catalyzed Asymmetric Allylic Allylation of Racemic Morita <b>B</b> aylis⊞illman Adducts. <b>2017</b> , 129, 1136-1139	10

728	Amide Acetal in Palladium-Catalyzed Allylation with Allylic Alcohols under Neutral Conditions. <b>2017</b> , 6, 520-526	7
727	Chiral carbonBulfur center formation via Pd-catalyzed asymmetric allylic thioetherification: synthesis of allylic thioethers. <b>2017</b> , 7, 256-259	6
726	A concise approach for central core of trigolutes: Total synthesis of trigolute B and 3- epi -trigolute B and analogues. <b>2017</b> , 73, 888-899	12
725	Regio- and Stereospecific C- and O-Allylation of Phenols via EAllyl Pd Complexes Derived from Allylic Ester Carbonates. <b>2017</b> , 82, 1034-1045	17
724	Palladium-Catalyzed Asymmetric Allylic Allylation of Racemic Morita-Baylis-Hillman Adducts. <b>2017</b> , 56, 1116-1119	47
723	A Palladium-Catalyzed Asymmetric Allylic Alkylation Approach to ∃-Quaternary Butyrolactones. <b>2017</b> , 19, 14-17	37
722	Stereodivergent Allylic Substitutions with Aryl Acetic Acid Esters by Synergistic Iridium and Lewis Base Catalysis. <b>2017</b> , 139, 87-90	176
721	Catalytic Asymmetric Intermolecular Allylic Functionalization of Unactivated Internal Alkenes. <b>2017</b> , 7, 8533-8543	18
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719	Approaches for multi-gram scale isolation of enantiomers for drug discovery. <b>2017</b> , 12, 1253-1269	12
718	Asymmetric cross-coupling of alkyl, alkenyl and (hetero)aryl nucleophiles with racemic allyl halides. <b>2017</b> , 53, 12499-12511	26
717	Ir/Zn Dual Catalysis: Enantioselective and Diastereodivergent ⊞-Allylation of Unprotected ⊞-Hydroxy Indanones. <b>2017</b> , 19, 5513-5516	55
716	Palladium-Catalyzed [3+3] Annulation of Vinyl Chromium(0) Carbene Complexes through Carbene Migratory Insertion/Tsuji-Trost Reaction. <b>2017</b> , 56, 13140-13144	32
715	Molybdenum-Catalyzed Enantioselective Synthesis of Planar-Chiral (Б-Phosphacyclopentadienyl)manganese(I) Complexes and Application in Asymmetric Catalysis. <b>2017</b> , 36, 4061-4069	10
714	Asymmetric Allylation of Furfural Derivatives: Synergistic Effect of Chiral Ligand and Organocatalyst on Stereochemical Control. <b>2017</b> , 7, 7917-7922	32
713	Asymmetric ⊞-Allylation of ⊞-Substituted <b>K</b> etoesters with Allyl Alcohols. <b>2017</b> , 82, 12821-12826	19
712	Access to Chiral Hydropyrimidines through Palladium-Catalyzed Asymmetric Allylic C-H Amination. <b>2017</b> , 56, 16032-16036	49
711	Conversion of Triple Bonds into Single Bonds in a Domino Carbopalladation with Norbornene. <b>2017</b> , 12, 2991-2995	3

710	Asymmetric Synthesis of ⊕,⊟-Disubstituted Allylic Amines through Palladium-Catalyzed Allylic Substitution. <b>2017</b> , 129, 11959-11963	18
709	Ligand-Controlled Regiodivergent and Enantioselective Copper-Catalyzed Hydroallylation of Alkynes. <b>2017</b> , 129, 13310-13314	22
708	Highly regio- and stereoselective palladium-catalyzed allene bifunctionalization cascade via 🗟 llyl intermediate. <b>2017</b> , 73, 5784-5793	2
707	Nickel-Mediated Asymmetric Allylic Alkylation between Nitroallylic Acetates and Acyl Imidazoles. <b>2017</b> , 19, 4826-4829	22
706	Sequential Ruthenium Catalysis for Olefin Isomerization and Oxidation: Application to the Synthesis of Unusual Amino Acids. <b>2017</b> , 139, 13944-13949	38
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704	Acid <b>B</b> ase and Solvation Properties of Metal Enolates Part 2: Transition-Metal Enolates and Medium Effects. <b>2017</b> , 1-61	
703	Palladium-Catalyzed [3+3] Annulation of Vinyl Chromium(0) Carbene Complexes through Carbene Migratory Insertion/Tsujillrost Reaction. <b>2017</b> , 129, 13320-13324	10
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699	Cooperative Lewis Acids and Aminocatalysis. <b>2017</b> , 345-374	2
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697	Synergistic Cu/Pd Catalysis for Enantioselective Allylic Alkylation of Aldimine Esters: Access to ∃,∃-Disubstituted ∃-Amino Acids. <b>2017</b> , 129, 12480-12484	25
696	Asymmetric Synthesis of ⊞,⊞-Disubstituted Allylic Amines through Palladium-Catalyzed Allylic Substitution. <b>2017</b> , 56, 11797-11801	41
695	Synergistic Cu/Pd Catalysis for Enantioselective Allylic Alkylation of Aldimine Esters: Access to ∃,∃-Disubstituted ∃-Amino Acids. <b>2017</b> , 56, 12312-12316	93
694	Alkyne Hydroheteroarylation: Enantioselective Coupling of Indoles and Alkynes via Rh-Hydride Catalysis. <b>2017</b> , 139, 10641-10644	75
693	Synthesis of Chiral 日,ŧUnsaturated tAmino Esters via Pd-Catalyzed Asymmetric Allylic Amination. <b>2017</b> , 19, 4251-4254	24

692	Tandem Palladium and Isothiourea Relay Catalysis: Enantioselective Synthesis of ⊞-Amino Acid Derivatives via Allylic Amination and [2,3]-Sigmatropic Rearrangement. <b>2017</b> , 139, 11895-11902	77
691	Pd-catalyzed asymmetric allylic alkylations C-H activation of -allyl imines with glycinates. <b>2017</b> , 8, 6815-6821	13
690	Palladium(II)-Catalyzed Deacylative Allylic C-H Alkylation. <b>2017</b> , 82, 9794-9800	14
689	Ligand-Controlled Regiodivergent and Enantioselective Copper-Catalyzed Hydroallylation of Alkynes. <b>2017</b> , 56, 13130-13134	66
688	Access to Chiral Hydropyrimidines through Palladium-Catalyzed Asymmetric Allylic CH Amination. <b>2017</b> , 129, 16248-16252	13
687	Palladium-Catalyzed Dearomative syn-1,4-Carboamination. <b>2017</b> , 139, 17787-17790	38
686	An Introduction to Chiral Nanomaterials: Origin, Construction, and Optical Application. 2017, 1-28	
685	Applications in Catalysis. <b>2017</b> , 223-258	
684	DPPF-Catalyzed Atom-Transfer Radical Cyclization via Allylic Radical. <b>2017</b> , 19, 6328-6331	13
683	Coordination and catalytic chemistry of phosphinoferrocene carboxamides. <b>2017</b> , 353, 223-246	26
682	Cooperative bimetallic catalysis in asymmetric allylic substitution. 2017, 15, 9747-9759	108
681	Rhodium-Catalyzed Asymmetric N-H Functionalization of Quinazolinones with Allenes and Allylic Carbonates: The First Enantioselective Formal Total Synthesis of (-)-Chaetominine. <b>2017</b> , 23, 18156-18160	24
680	Stereoselective and Site-Specific Allylic Alkylation of Amino Acids and Small Peptides via a Pd/Cu Dual Catalysis. <b>2017</b> , 139, 9819-9822	132
679	Functionalized nitrogen ligands for palladium catalyzed cross-coupling reactions (part I). <b>2017</b> , 848, 22-88	29
678	Zeolite-Encapsulated Catalysts. <b>2017</b> , 335-386	7
677	The Total Synthesis of Epothilone D as a Yardstick for Probing New Methodologies. <b>2017</b> , 23, 541-545	23
676	Regiodivergent Catalysis: A Powerful Tool for Selective Catalysis. <b>2017</b> , 23, 19-32	68
675		

674	Development of Multiactive Site Catalysts for Surface Concerted Catalysis Aimed at One-Pot Synthesis. <b>2017</b> , 90, 137-147	14
673	Venturing beyond Donor-Controlled Glycosylation: New Perspectives toward Anomeric Selectivity. <b>2018</b> , 51, 628-639	62
672	A rare P, CBridged bimetallic palladium complex. <b>2018</b> , 862, 1-6	3
671	Synthesis and application of a new hexamethyl-1,1'-spirobiindane-based chiral bisphosphine (HMSI-PHOS) ligand in asymmetric allylic alkylation. <b>2018</b> , 16, 2239-2247	9
670	Highly Diastereoselective Synthesis of Trifluoromethyl Indolines by Interceptive Benzylic Decarboxylative Cycloaddition of Nonvinyl, Trifluoromethyl Benzoxazinanones with Sulfur Ylides under Palladium Catalysis. <b>2018</b> , 20, 1526-1529	29
669	Si-Directed regiocontrol in asymmetric Pd-catalyzed allylic alkylations using C1-ammonium enolate nucleophiles. <b>2018</b> , 74, 5383-5391	26
668	Oxazaborinines from Vinylogous N-Allylic Amides: Reactivities of Underexplored Heterocyclic Building Blocks. <b>2018</b> , 20, 2649-2653	8
667	Modulating the Depolymerization of Self-Immolative Brush Polymers with Poly(benzyl ether) Backbones. <b>2018</b> , 51, 2899-2905	19
666	Pd(II)-Catalyzed Asymmetric Oxidative 1,2-Diamination of Conjugated Dienes with Ureas. 2018, 20, 2485-2489	9 34
665	Asymmetric ⊞-Allylation of Aldehydes with Alkynes by Integrating Chiral Hydridopalladium and Enamine Catalysis. <b>2018</b> , 20, 2403-2406	26
664	∃-Quaternary Chiral Aldehydes from Styrenes, Allylic Alcohols, and Syngas via Multi-catalyst Relay Catalysis. <b>2018</b> , 4, 1047-1058	63
663	Highly Enantioselective, Base-Free Synthesis of ∃-Quaternary Succinimides through Catalytic Asymmetric Allylic Alkylation. <b>2018</b> , 24, 8076-8080	12
662	Salicylate-Directed CD Bond Cleavage: Iron-Catalyzed Allylic Substitution with Grignard Reagents. <b>2018</b> , 7, 914-917	10
661	Iterative Synthetic Strategy for Azaphenalene Alkaloids. Total Synthesis of (-)-9a epi-Hippocasine. <b>2018</b> , 83, 5052-5057	9
660	Design of bifunctional chiral phenanthroline ligand with Lewis basic site for palladium-catalyzed asymmetric allylic substitution. <b>2018</b> , 54, 2674-2677	5
659	A protic ionic liquid as an atom economical solution for palladium catalyzed asymmetric allylic alkylation. <b>2018</b> , 47, 3739-3744	1
658	Rhodium Catalyzed Asymmetric Hydroamination of Internal Alkynes with Indoline: Mechanism, Origin of Enantioselectivity, and Role of Additives. <b>2018</b> , 83, 2627-2639	11
657	Iridium-Catalyzed Intramolecular Asymmetric Allylic Alkylation of Hydroxyquinolines: Simultaneous Weakening of the Aromaticity of Two Consecutive Aromatic Rings. <b>2018</b> , 140, 3114-3119	46

656	Palladium-Catalyzed Asymmetric Aminohydroxylation of 1,3-Dienes. <b>2018</b> , 130, 2396-2400	15
655	Palladium-Catalyzed Asymmetric Aminohydroxylation of 1,3-Dienes. <b>2018</b> , 57, 2372-2376	61
654	Chemo-, Regio-, and Enantioselective Rhodium-Catalyzed Allylation of Triazoles with Internal Alkynes and Terminal Allenes. <b>2018</b> , 20, 598-601	49
653	Amphiphilic FAllyliridium C,O-Benzoates Enable Regio- and Enantioselective Amination of Branched Allylic Acetates Bearing Linear Alkyl Groups. <b>2018</b> , 140, 1275-1279	38
652	Efficient and Direct Synthesis of EAmino-日,即Insaturated Amides by Catalyzed Allylic Substitution of 日-Fluoroenamides: Toward to Synthesis of Hybrid Peptides and Indolizidines. <b>2018</b> , 2018, 1455-1459	8
651	Nickel-catalyzed enantioselective allylic alkylation of lactones and lactams with unactivated allylic alcohols. <b>2018</b> , 9, 2547-2551	36
650	Asymmetric Total Synthesis of (+)-(3E)-Pinnatifidenyne via Abnormally Regioselective Pd(0)-Catalyzed Endocyclization. <b>2018</b> , 83, 1997-2005	3
649	Quaternary <b>2</b> ,2-Amino Acids: Catalytic Asymmetric Synthesis and Incorporation into Peptides by Fmoc-Based Solid-Phase Peptide Synthesis. <b>2018</b> , 130, 826-830	12
648	Kinetics and mechanism of pyridine substitution from [( $\mathbb{B}$ -C3H5)Mo(CO)2(X)(py)2] (X = Cl, Br; py = pyridine) by 1,2-bis(diphenylphosphino)ethane. <b>2018</b> , 43, 549-554	
647	Traversing Steric Limitations by Cooperative Lewis Base/Palladium Catalysis: An Enantioselective Synthesis of ⊞-Branched Esters Using 2-Substituted Allyl Electrophiles. <b>2018</b> , 57, 7800-7803	39
646	Regio- and Stereoselective Copper-Catalyzed Allylation of 1,3-Dicarbonyl Compounds with Terminal Allenes. <b>2018</b> , 20, 2232-2235	17
645	Formation of Alkenes by Metal-promoted Coupling Reactions. 2018, 1-73	
644	Catalytic C-C Bond Formation Using a Simple Nickel Precatalyst System: Base- and Activator-Free Direct C-Allylation by Alcohols and Amines. <b>2018</b> , 24, 7354-7357	17
643	Palladium-Catalyzed Direct C-H Allylation of Electron-Deficient Polyfluoroarenes with Alkynes. <b>2018</b> , 20, 1866-1870	22
642	Nickel-Catalyzed Dearomative trans-1,2-Carboamination. <b>2018</b> , 140, 4503-4507	49
641	Computationally Guided Design of a Readily Assembled Phosphite Thioether Ligand for a Broad Range of Pd-Catalyzed Asymmetric Allylic Substitutions. <b>2018</b> , 8, 3587-3601	18
640	A Rapid Synthesis of Chiral Allylic Amines via Microwave-assisted Asymmetric Alkenylation of N-Tosyl Aldimines Catalyzed by Rhodium/Chiral Diene Complexes. <b>2018</b> , 65, 312-316	5
639	Rh/Lewis Acid Catalyzed Regio-, Diastereo- and Enantioselective Addition of 2-Acyl Imidazoles with Allenes. <b>2018</b> , 36, 20-24	17

#### (2018-2018)

638	intermediates: a theoretical perspective. <b>2018</b> , 8, 12-25	63
637	The reactions of dimethyl carbonate and its derivatives. <b>2018</b> , 20, 28-85	124
636	Continuous flow (micro-)reactors for heterogeneously catalyzed reactions: Main design and modelling issues. <b>2018</b> , 308, 20-31	40
635	Chiral Ferrocenyl N,N Ligands with Intramolecular Hydrogen Bonds for Highly Enantioselective Allylic Alkylations. <b>2018</b> , 10, 804-809	8
634	Ir-Catalyzed reactions in natural product synthesis. <b>2018</b> , 5, 132-150	13
633	UV light-mediated decarboxylative cross-Coupling reaction of aryl acetic acids. <b>2018</b> , 355, 298-304	2
632	Total synthesis of natural products via iridium catalysis. <b>2018</b> , 5, 106-131	26
631	Pd/Cu dual catalysis: highly enantioselective access to ∃-substituted ∃-amino acids and ∃-amino amides. <b>2018</b> , 54, 599-602	40
630	Synthesis of multi-functionalized carbonyl compounds by palladium atalysed Bubstitution of MBH adducts with activated amides. <b>2018</b> , 32, e4166	1
629	Featuring Xantphos. <b>2018</b> , 8, 26-113	80
628	Nickel-Catalyzed Suzuki Cross Couplings with Unprotected Allylic Alcohols Enabled by Bidentate N-Heterocyclic Carbene (NHC)/Phosphine Ligands. <b>2018</b> , 8, 86-89	32
627	Quaternary \( \bar{\text{#}}\)Amino Acids: Catalytic Asymmetric Synthesis and Incorporation into Peptides by Fmoc-Based Solid-Phase Peptide Synthesis. <b>2018</b> , 57, 818-822	44
626	Divergent synthesis of N-heterocycles by Pd-catalyzed controllable cyclization of vinylethylene carbonates. <b>2018</b> , 54, 12182-12185	55
625	Pd-Catalyzed Atroposelective CH Allylation through む Elimination: Diverse Synthesis of Axially Chiral Biaryls. <b>2018</b> , 130, 17397-17401	48
624	Pd-Catalyzed Atroposelective C-H Allylation through #O Elimination: Diverse Synthesis of Axially Chiral Biaryls. <b>2018</b> , 57, 17151-17155	115
623	Direct Catalytic Enantioselective Benzylation from Aryl Acetic Acids. <b>2018</b> , 140, 17418-17422	39
622	A One-Pot Reaction toward the Diastereoselective Synthesis of Substituted Morpholines. <b>2018</b> , 20, 7419-7423	3 1 6
621	Enantioselective Allylic Alkylation with 4-Alkyl-1,4-dihydro-pyridines Enabled by Photoredox/Palladium Cocatalysis. <b>2018</b> , 140, 16914-16919	115

620	Umpolung of Carbonyl Groups as Alkyl Organometallic Reagent Surrogates for Palladium-Catalyzed Allylic Alkylation. <b>2018</b> , 130, 16758-16762		15
619	Enantioselective -Allylation of Aryl Acetic Acid Esters via C1-Ammonium Enolate Nucleophiles: Identification of a Broadly Effective Palladium Catalyst for Electron-Deficient Electrophiles. <b>2018</b> , 8, 10537-10544		35
618	Iridium-Catalyzed Enantioselective and Diastereoselective Allylation of Dioxindoles: A One-Step Synthesis of 3-Allyl-3-hydroxyoxindoles. <b>2018</b> , 20, 6183-6187		17
617	Triflimide (HNTf) in Organic Synthesis. <i>Chemical Reviews</i> , <b>2018</b> , 118, 10349-10392	68.1	72
616	Aminative Umpolung cyclization for synthesis of chiral exocyclic vicinal diamines. <b>2018</b> , 16, 7498-7502		5
615	Catalyst-free fluorinative alkoxylation of alkenes. <b>2018</b> , 74, 6577-6583		0
614	Stereoselective Allylic Alkylation of 1-Pyrroline-5-carboxylic Esters via a Pd/Cu Dual Catalysis. <b>2018</b> , 20, 6564-6568		26
613	Photoredox/Nickel-Catalyzed Single-Electron Tsuji-Trost Reaction: Development and Mechanistic Insights. <b>2018</b> , 57, 15847-15851		57
612	Direct Allylic C(sp3)-H Alkylation with 2-Naphthols via Cooperative Palladium and Copper Catalysis: Construction of Cyclohexadienones with Quaternary Carbon Centers. <b>2018</b> , 20, 7015-7019		13
611	Umpolung of Carbonyl Groups as Alkyl Organometallic Reagent Surrogates for Palladium-Catalyzed Allylic Alkylation. <b>2018</b> , 57, 16520-16524		41
610	Photoredox/Nickel-Catalyzed Single-Electron Tsujillrost Reaction: Development and Mechanistic Insights. <b>2018</b> , 130, 16073-16077		21
609	Iridium-Catalyzed Intramolecular Asymmetric Allylic Dearomatization of Benzene Derivatives. <b>2018</b> , 57, 16190-16193		19
608	Iridium-Catalyzed Intramolecular Asymmetric Allylic Dearomatization of Benzene Derivatives. <b>2018</b> , 130, 16422-16425		2
607	Carboallylation of electron-deficient alkenes by palladium/copper catalysis. 2018, 54, 11463-11466		12
606	Generation and Application of (Diborylmethyl)zinc(II) Species: Access to Enantioenriched gem-Diborylalkanes by an Asymmetric Allylic Substitution. <b>2018</b> , 130, 13112-13116		13
605	Asymmetric Rhodium-Catalyzed Allylic Substitution Reactions: Discovery, Development and Applications to Target-Directed Synthesis. <b>2018</b> , 83, 11463-11479		61
604	Palladium-Catalyzed Enantioselective C-C Cross-Coupling for the Synthesis of (Poly)fluorinated Chiral Building Blocks. <b>2018</b> , 20, 5657-5660		16
603	Nickel(0)-Catalyzed Hydroalkylation of 1,3-Dienes with Simple Ketones. <b>2018</b> , 140, 11627-11630		71

602	Synthesis of Bifunctional Allylic Compounds by Using Cyclopropenes as Functionalized Allyl Equivalents. <b>2018</b> , 130, 11592-11596	8
601	New spiro phosphinooxazolines for palladium-catalyzed asymmetric allylic amination. <b>2018</b> , 59, 3938-3941	7
600	Intramolecular Umpolung Allylation of Imines. <b>2018</b> , 20, 5857-5860	15
599	Asymmetric Addition of Pyrazolones to Allenamides Catalyzed by a Chiral Phosphoric Acid. <b>2018</b> , 2018, 6469-6473	14
598	Valorization of Biomass Derived Terpene Compounds by Catalytic Amination. 2018, 8, 365	9
597	Enantioselective Palladium-Catalyzed N-Allylation of Lactams. <b>2018</b> , 3, 5216-5219	1
596	Palladium-Catalyzed Stereoselective Cyclization of in Situ Formed Allenyl Hemiacetals: Synthesis of Rosuvastatin and Pitavastatin. <b>2018</b> , 20, 3286-3290	12
595	Carboxylate-directed C-H allylation with allyl alcohols or ethers. <b>2018</b> , 9, 5289-5294	42
594	Desymmetrization of meso-Dibromocycloalkenes through Copper(I)-Catalyzed Asymmetric Allylic Substitution with Organolithium Reagents. <b>2018</b> , 140, 7052-7055	17
593	Regio- and Enantioselective Rhodium-Catalyzed Allylic Alkylation of Racemic Allylic Alcohols with 1,3-Diketones. <b>2018</b> , 140, 7737-7742	45
592	Amino-P Ligands from Iminosugars: New Readily Available and Modular Ligands for Enantioselective Pd-Catalyzed Allylic Substitutions. <b>2018</b> , 37, 1682-1694	10
591	Traversing Steric Limitations by Cooperative Lewis Base/Palladium Catalysis: An Enantioselective Synthesis of ∃-Branched Esters Using 2-Substituted Allyl Electrophiles. <b>2018</b> , 130, 7926-7929	20
590	Pd/Phosphoramidite Thioether Complex-Catalyzed Asymmetric N-Allylic Alkylation of Hydrazones with Allylic Acetates. <b>2018</b> , 20, 3473-3476	14
589	Stereoselective allylic reduction via one-pot palladium-catalyzed allylic sulfonation and sulfinyl retro-ene reactions. <b>2018</b> , 5, 2158-2162	4
588	Catalytic C-N and C-H Bond Activation: ortho-Allylation of Benzoic Acids with Allyl Amines. <b>2018</b> , 20, 4337-436	<b>40</b> 35
587	Generation and Application of (Diborylmethyl)zinc(II) Species: Access to Enantioenriched gem-Diborylalkanes by an Asymmetric Allylic Substitution. <b>2018</b> , 57, 12930-12934	41
586	Recent Advances in Transition-Metal-Catalyzed/Mediated Transformations of Vinylidenecyclopropanes. <b>2018</b> , 51, 1667-1680	30
585	N-Alkyl Amine Synthesis by Catalytic Alcohol Amination. <b>2018</b> , 1-58	13

584	A Simple, Broad-Scope Nickel(0) Precatalyst System for the Direct Amination of Allyl Alcohols. <b>2018</b> , 57, 10202-10206	22
583	Synthesis of Bifunctional Allylic Compounds by Using Cyclopropenes as Functionalized Allyl Equivalents. <b>2018</b> , 57, 11422-11426	23
582	Non-Bonding Interactions Enable the Selective Formation of Branched Products in Palladium-Catalyzed Allylic Substitution Reactions. <b>2018</b> , 13, 2174-2183	25
581	Recent Developments and Synthetic Applications of Nucleophilic Zirconocene Complexes from Schwartz's Reagent. <b>2018</b> , 2018, 4828-4844	16
580	A Simple, Broad-Scope Nickel(0) Precatalyst System for the Direct Amination of Allyl Alcohols. <b>2018</b> , 130, 10359-10363	5
579	Palladium-catalyzed enantioselective carboannulation of 1,3-dienes with aryl iodides enables access to chiral indanes. <b>2018</b> , 54, 9595-9598	17
578	Palladium(0)-catalyzed rearrangement of allyl enol ethers to form chiral quaternary carbon centers via asymmetric allylic alkylation. <b>2018</b> , 59, 3401-3404	5
577	Enantioselective Synthesis of 5-Alkylated Thiazolidinones via Palladium-Catalyzed Asymmetric Allylic C-H Alkylations of 1,4-Pentadienes with 5 H-Thiazol-4-ones. <b>2018</b> , 20, 4740-4744	31
576	Catalytic activities of heterogeneous catalysts obtained by copolymerization of metal-containing 2-(acetoacetoxy)ethyl methacrylate. <b>2018</b> , 16, 520-534	5
575	Enantioselective ⊞-Benzylation of Acyclic Esters Using Extended Electrophiles. <b>2018</b> , 57, 12102-12105	48
574	Enantioselective <code>\B-Allylation</code> of Acyclic Esters Using B(pin)-Substituted Electrophiles: Independent Regulation of Stereocontrol Elements through Cooperative Pd/Lewis Base Catalysis. <b>2018</b> , 24, 14378-14381	27
573	Decarboxylative Organocatalytic Allylic Amination of Morita-Baylis-Hillman Carbamates. <b>2018</b> , 24, 13441-134	4 <i>5</i> 7
572	Palladium-Catalyzed Cascade Double CN Bond Activation: A New Strategy for Aminomethylation of 1,3-Dienes with Aminals. <b>2018</b> , 36, 929-933	12
571	Nickel-Catalyzed Direct Coupling of Allylic Alcohols with Organoboron Reagents. <b>2018</b> , 36, 916-920	11
570	Enantioselective $\oplus$ -Benzylation of Acyclic Esters Using Extended Electrophiles. <b>2018</b> , 130, 12278-12281	21
569	Rhodium-catalyzed asymmetric hydroamination and hydroindolation of keto-vinylidenecyclopropanes. <b>2018</b> , 9, 5074-5081	8
568	Palladium-Catalyzed Asymmetric Allylic Alkylation of 3-Substituted 1 H-Indoles and Tryptophan Derivatives with Vinylcyclopropanes. <b>2018</b> , 140, 6710-6717	79
567	Multi-catalyst promoted asymmetric relay reactions. <b>2018</b> , 5, 2765-2768	10

566	D-Fructose-based spiro-fused PHOX ligands: synthesis and application in enantioselective allylic alkylation. <b>2018</b> , 14, 2082-2089	6
565	Asymmetric Allylic C-H Alkylation via Palladium(II)/ cis-ArSOX Catalysis. 2018, 140, 10658-10662	51
564	Suzuki-Miyaura Cross-Coupling as a Synthetic Tool for Nucleoside and Nucleotide Modification. <b>2018</b> , 37-74	2
563	(Guanidine)copper Complex-Catalyzed Enantioselective Dynamic Kinetic Allylic Alkynylation under Biphasic Condition. <b>2018</b> , 140, 8448-8455	36
562	General Strategy for Stereoselective Synthesis of #N-Glycosyl Sulfonamides via Palladium-Catalyzed Glycosylation. <b>2018</b> , 20, 3923-3927	10
561	Regioselective Single-Electron Tsuji-Trost Reaction of Allylic Alcohols: A Photoredox/Nickel Dual Catalytic Approach. <b>2019</b> , 21, 6543-6547	15
560	Regio- and Enantioselective Preparation of Chiral Allylic Sulfones Featuring Elusive Quaternary Stereocenters. <b>2019</b> , 58, 14944-14949	34
559	Monodentate Phosphorus Ligand-Enabled General Palladium-Catalyzed Allylic C-H Alkylation of Terminal Alkenes. <b>2019</b> , 21, 6720-6725	17
558	A Monophosphine Ligand Derived from Anthracene Photodimer: Synthetic Applications for Palladium-Catalyzed Coupling Reactions. <b>2019</b> , 21, 8158-8163	12
557	Development of Chemo- and Enantioselective Palladium-Catalyzed Decarboxylative Asymmetric Allylic Alkylation of ⊞-Nitroesters. <b>2019</b> , 131, 11946-11951	3
556	Copper-Catalyzed Hydrocarboxylation of -Allenyl Derivatives. <b>2019</b> , 84, 11247-11252	10
555	Desymmetrization of Phosphinic Acids via Pd-Catalyzed Asymmetric Allylic Alkylation: Rapid Access to -Chiral Phosphinates. <b>2019</b> , 141, 14098-14103	19
554	The Role of Trichloroacetimidate To Enable Iridium-Catalyzed Regio- and Enantioselective Allylic Fluorination: A Combined Experimental and Computational Study. <b>2019</b> , 141, 14843-14852	17
553	Rhodium-Catalyzed Asymmetric Allylic Dearomatization of Naphthols: Enantioselective Control of Prochiral Nucleophiles. <b>2019</b> , 21, 6130-6134	19
552	Regioselective Pd-Catalyzed Carbopalladation/Decarboxylative Allylic Alkynylation of -Iodoallenamides with Alkynyl Carboxylic Acids. <b>2019</b> , 84, 10535-10545	7
551	Carboxylation Reactions Using Carbon Dioxide as the C1 Source via Catalytically Generated Allyl Metal Intermediates. <b>2019</b> , 7, 430	18
550	Rhodium(III)-Catalyzed Redox-Neutral Weak -Coordinating Vinylation and Allylation of Arylacetamides with Allylic Acetates. <b>2019</b> , 21, 5655-5659	9
549	Sulfur-Mediated Allylic C-H Arylation, Epoxidation, and Aziridination. <b>2019</b> , 84, 10569-10578	7

548	Advances in Transition Metal-Catalyzed Selective Functionalization of Inert CD Bonds Assisted by Directing Groups. <b>2019</b> , 361, 3915-3924	12
547	Five-Membered Ruthenacycles: Ligand-Assisted Alkyne Insertion into 1,3-N,S-Chelated Ruthenium Borate Species. <b>2019</b> , 25, 13537-13546	7
546	Direct Synthesis of Substituted (Z)-Allylic Sulfones by Palladium-Catalyzed Sulfonylation of Vinylethylene Carbonates with Sodium Sulfinates. <b>2019</b> , 11, 4720-4724	14
545	A readily accessible and modular carbohydrate-derived thioether/selenoether-phosphite ligand library for Pd-catalyzed asymmetric allylic substitutions. <b>2019</b> , 48, 12632-12643	8
544	Reductive Coupling between C-N and C-O Electrophiles. 2019, 141, 12481-12486	49
543	Enantioselective Synthesis Using Chiral Palladacycles. <b>2019</b> , 297-326	
542	Cobalt-Catalyzed Regio- and Enantioselective Allylic Amination. 2019, 141, 11430-11434	46
541	Palladium-Catalyzed Dearomative syn-1,4-Oxyamination. <b>2019</b> , 58, 15762-15766	7
540	Pd-Catalyzed Allylation of Imines to Access ⊞-CF-Substituted ⊞-Amino Acid Derivatives. <b>2019</b> , 2019, 7122-712	.7 6
539	Rhodium-Catalyzed Parallel Kinetic Resolution of Racemic Internal Allenes Towards Enantiopure Allylic 1,3-Diketones. <b>2019</b> , 131, 10044-10048	8
538	Copper-Catalyzed Highly Enantioselective Difluoroalkylation of Secondary Propargyl Sulfonates with Difluoroenoxysilanes. <b>2019</b> , 5, 2987-2999	42
537	Chiral ⊞-Amino Acid/Palladium-Catalyzed Asymmetric Allylation of ⊞-Branched ∰etoesters with Allylic Amines: Highly Enantioselective Construction of All-Carbon Quaternary Stereocenters. <b>2019</b> , 84, 14936-14942	7
536	Catalytic, Enantioselective, C?H Functionalization to Form Carbon©arbon Bonds. 2019, 671-748	
535	Sequential Palladium-Catalyzed Allylic Alkylation/retro-Dieckmann Fragmentation Strategy for the Synthesis of ⊞-Substituted Acrylonitriles. <b>2019</b> , 21, 9348-9352	5
534	Ni-Catalyzed Intermolecular Allylic Dearomatization Reaction of Tryptophols and Tryptamines. <b>2019</b> , 21, 9420-9424	15
533	Computational Insight into the Mechanism of Ruthenium(II)-Catalyzed ∃-Alkylation of Arylmethyl Nitriles Using Alcohols. <b>2019</b> , 123, 10263-10272	2
532	Pd(0)-Catalyzed Cyclizative Carboboration of -Iodo-1,6-diene ( = 1 or 2): Access to Structurally Complex Allylboronates and Alkylboronates. <b>2019</b> , 21, 9396-9400	2
531	Kinetics and Inverse Temperature Dependence of a Tsujill rost Reaction in Aqueous Buffer. <b>2019</b> , 9, 11720-11733	9

530	Enamine/Transition Metal Combined Catalysis: Catalytic Transformations Involving Organometallic Electrophilic Intermediates. <b>2019</b> , 377, 38	7
529	Regio- and Enantioselective Preparation of Chiral Allylic Sulfones Featuring Elusive Quaternary Stereocenters. <b>2019</b> , 131, 15086-15091	7
528	Nucleophile Coordination Enabled Regioselectivity in Palladium-Catalyzed Asymmetric Allylic C-H Alkylation. <b>2019</b> , 58, 16806-16810	27
527	Atroposelective Haloamidation of Indoles with Amino Acid Derivatives and Hypohalides. <b>2019</b> , 21, 8819-8823	8
526	Controllable, Sequential, and Stereoselective C-H Allylic Alkylation of Alkenes. 2019, 141, 17305-17313	10
525	Palladium-Catalyzed Allylic Alkylation of Aldimine Esters with Vinyl-Cyclopropanes to Yield ⊞,⊞-Disubstituted ⊞-Amino Acid Derivatives. <b>2019</b> , 361, 5105-5111	4
524	Nucleophile Coordination Enabled Regioselectivity in Palladium-Catalyzed Asymmetric Allylic CH Alkylation. <b>2019</b> , 131, 16962-16966	5
523	Catalytic Asymmetric Synthesis of Diketopiperazines by Intramolecular Tsuji-Trost Allylation. <b>2019</b> , 84, 12058-12070	10
522	Labeling and Natural Post-Translational Modification of Peptides and Proteins via Chemoselective Pd-Catalyzed Prenylation of Cysteine. <b>2019</b> , 141, 14931-14937	25
521	Key Factors for High Diastereo- and Enantioselectivity of Umpolung Cyclizations of Aldehyde-Containing Allylpalladium Intermediates. <b>2019</b> , 92, 1743-1753	6
520	Sulfinate-Engaged Nucleophilic Addition Induced Allylic Alkylation of Allenoates. <b>2019</b> , 21, 7424-7429	5
519	Palladium-Catalyzed Sequential Twofold Nucleophilic Substitution on 3-Bromopenta-2,4-dienyl Phosphate: Preparation of - and -Symmetric Doubly Functionalized Allenes. <b>2019</b> , 84, 12463-12470	1
518	Palladium-NHC-Catalyzed Allylic Alkylation of Pronucleophiles with Alkynes. <b>2019</b> , 21, 7956-7960	7
517	Palladium-Catalyzed Ring-Opening Coupling of -Difluorocyclopropanes for the Construction of 2-Fluoroallylic Sulfones. <b>2019</b> , 84, 13646-13654	22
516	Molecular Field Analysis Using Intermediates in Enantio-Determining Steps Can Extract Information for Data-Driven Molecular Design in Asymmetric Catalysis. <b>2019</b> , 92, 1701-1706	6
515	Catalytic allylic functionalization via lallyl palladium chemistry. 2019, 17, 8647-8672	38
514	Synthesis of Allylsilanes via Nickel-Catalyzed Cross-Coupling of Silicon Nucleophiles with Allyl Alcohols. <b>2019</b> , 21, 7965-7969	8
513	Metal Triflate-Promoted Allylic Substitution Reactions of Cinnamyl Alcohol in the Presence of Orthoesters and Acetals. <b>2019</b> , 4, 15985-15991	2

512	Ni-Catalyzed Asymmetric Allylation of Secondary Phosphine Oxides. <b>2019</b> , 141, 16584-16589	47
511	Asymmetric Organocatalysis Combined with Palladium Catalysis: Synergistic Effect on Enantioselective Mannich/\(\mathcal{H}\)-Allylation Sequential Reactions of Pyrazolones in Constructing Vicinal Quaternary Stereocenters. <b>2019</b> , 21, 7708-7712	17
510	Pd-catalyzed asymmetric allylic substitution cascade using <code>\( \)-(pyridin-1-yl)-acetamides formed as nucleophiles. <b>2019</b>, 10, 1767-1772</code>	18
509	Regiodivergent Hydroaminoalkylation of Alkynes and Allenes by a Combined Rhodium and Photoredox Catalytic System. <b>2019</b> , 131, 3430-3435	18
508	Transition metal catalyzed stereodivergent synthesis of - and -Evinyl-lactams: formal total synthesis of (-)-cermizine C and (-)-senepodine G. <b>2019</b> , 10, 3074-3079	18
507	Enantioconvergent Cross-Couplings of Alkyl Electrophiles: The Catalytic Asymmetric Synthesis of Organosilanes. <b>2019</b> , 131, 3609-3612	11
506	Rhodium(iii)-catalyzed regioselective oxidative annulation of anilines and allylbenzenes via C(sp)-H/C(sp)-H bond cleavage. <b>2019</b> , 55, 1068-1071	8
505	A Regio- and Stereodivergent Synthesis of Homoallylic Amines by a One-Pot Cooperative-Catalysis-Based Allylic Alkylation/Hofmann Rearrangement Strategy. <b>2019</b> , 131, 10631-10637	8
504	A Regio- and Stereodivergent Synthesis of Homoallylic Amines by a One-Pot Cooperative-Catalysis-Based Allylic Alkylation/Hofmann Rearrangement Strategy. <b>2019</b> , 58, 10521-10527	35
503	Development of Chemo- and Enantioselective Palladium-Catalyzed Decarboxylative Asymmetric Allylic Alkylation of ⊞-Nitroesters. <b>2019</b> , 58, 11820-11825	9
502	Preparation and Application of Amino Phosphine Ligands Bearing Spiro[indane-1,2'-pyrrolidine] Backbone. <b>2019</b> , 84, 9460-9473	3
501	Enantioselective Rhodium-Catalyzed Allylic Alkylation of 即nsaturated 日-Amino Nitriles: Synthetic Homoenolate Equivalents. <b>2019</b> , 131, 9991-9995	
500	P-Chiral Monophosphorus Ligands for Asymmetric Copper-Catalyzed Allylic Alkylation. <b>2019</b> , 38, 4003-4013	10
499	Cobalt-Catalyzed Allylic Alkylation Enabled by Organophotoredox Catalysis. <b>2019</b> , 131, 9297-9301	5
498	NaClO-Promoted Atroposelective Couplings of 3-Substituted Indoles with Amino Acid Derivatives. <b>2019</b> , 21, 4754-4758	8
497	Rhodium-Catalyzed Enantioselective Cyclization of 3-Allenyl-indoles: Access to Functionalized Tetrahydrocarbazoles. <b>2019</b> , 21, 5798-5802	17
496	d-Fructose Based Spiro-Fused PHOX Ligands: Palladium Complexes and Application in Catalysis. <b>2019</b> , 2019, 3955-3963	4
495	Catalytic Enantioselective Synthesis of N-C Axially Chiral Sulfonamides through Chiral Palladium-Catalyzed N-Allylation. <b>2019</b> , 84, 8112-8120	12

494	DFT perspective on the selectivity and mechanism of ligand-free Heck reaction involving allylic esters and arenediazonium salts. <b>2019</b> , 896, 5-15	7
493	Stereoselective Modification of N-(⊞-Hydroxyacyl)-glycinesters via Palladium-Catalyzed Allylic Alkylation. <b>2019</b> , 21, 4595-4599	8
492	Chemo-, Regio-, Diastereo-, and Enantioselective Palladium Allylic Alkylation of 1,3-Dioxaboroles as Synthetic Equivalents of ⊞-Hydroxyketones. <b>2019</b> , 141, 9521-9526	22
491	Asymmetric Allylic Alkylation of Alkanoic-Acid Ester Enolates. <b>2019</b> , 2019, 4604-4608	3
490	Chromoselective access to Z- or E- allylated amines and heterocycles by a photocatalytic allylation reaction. <b>2019</b> , 10, 2634	26
489	An Improved Class of Phosphite-Oxazoline Ligands for Pd-Catalyzed Allylic Substitution Reactions. <b>2019</b> , 9, 6033-6048	7
488	Rhodium-Catalyzed Parallel Kinetic Resolution of Racemic Internal Allenes Towards Enantiopure Allylic 1,3-Diketones. <b>2019</b> , 58, 9939-9943	13
487	Substrate Self-Assisted Secondary Bond Activation of Allylic Alcohol in a Tsuji-Trost Reaction Revealed by NMR Methods. <b>2019</b> , 84, 7468-7473	7
486	Palladium-Catalyzed Umpolung Type-II Cyclization of Allylic Carbonate-Aldehydes Leading to 3-Methylenecycloalkanol Derivatives. <b>2019</b> , 361, 3733-3738	8
485	Regio- and Enantioselective Iridium-Catalyzed N-Allylation of Indoles and Related Azoles with Racemic Branched Alkyl-Substituted Allylic Acetates. <b>2019</b> , 131, 7844-7848	7
484	Cobalt-Catalyzed Allylic Alkylation Enabled by Organophotoredox Catalysis. <b>2019</b> , 58, 9199-9203	44
483	Synergistic Cu/Pd-Catalyzed Asymmetric Allenylic Alkylation of Azomethine Ylides for the Construction of ⊞-Allene-Substituted Nonproteinogenic ⊞-Amino Acids. <b>2019</b> , 25, 8681-8685	19
482	Enantioselective iridium catalyzed $\oplus$ -alkylation of azlactones by a tandem asymmetric allylic alkylation/aza-Cope rearrangement. <b>2019</b> , 55, 5547-5550	22
481	Combining Chiral Aldehyde Catalysis and Transition-Metal Catalysis for Enantioselective <code>\B-Allylic</code> Alkylation of Amino Acid Esters. <b>2019</b> , 141, 5159-5163	32
480	A New Insight into the Stereoelectronic Control of the Pd -Catalyzed Allylic Substitution: Application for the Synthesis of Multisubstituted Pyran-2-ones via an Unusual 1,3-Transposition. <b>2019</b> , 25, 8053-8060	
479	Palladium-catalyzed allylation of aminophenol with alkynes to construct C-N bonds. <b>2019</b> , 17, 3545-3551	4
478	Catalytic Prenylation and Reverse Prenylation of Indoles with Isoprene: Regioselectivity Manipulation through Choice of Metal Hydride. <b>2019</b> , 131, 5492-5496	14
477	A Sequential Pd-AAA/Cross-Metathesis/Cope Rearrangement Strategy for the Stereoselective Synthesis of Chiral Butenolides. <b>2019</b> , 21, 2231-2235	23

476	Pd-Catalyzed Stereodivergent Allylic Amination of ⊞-Tertiary Allylic Alcohols towards ⊞,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5
475	Access to chiral tetrahydrofluorenes through a palladium-catalyzed enantioselective tandem intramolecular Heck/Tsuji-Trost reaction. <b>2019</b> , 55, 3769-3772	18
474	Nucleophile-Dependent Z/ E- and Regioselectivity in the Palladium-Catalyzed Asymmetric Allylic C-H Alkylation of 1,4-Dienes. <b>2019</b> , 141, 5824-5834	53
473	Enantioselective Rhodium-Catalyzed Allylic Alkylation of ∰Unsaturated ⊞-Amino Nitriles: Synthetic Homoenolate Equivalents. <b>2019</b> , 58, 9886-9890	9
472	Regio- and Enantioselective Iridium-Catalyzed N-Allylation of Indoles and Related Azoles with Racemic Branched Alkyl-Substituted Allylic Acetates. <b>2019</b> , 58, 7762-7766	30
47 <sup>1</sup>	Development of Palladium-Catalyzed Decarboxylative Allylation of Electron-Deficient Sulfones and Identification of Unusual Side Products. <b>2019</b> , 84, 6028-6039	O
470	Chemodivergent Oxidative Annulation of Benzamides and Enynes via 1,4-Rhodium Migration. <b>2019</b> , 21, 1789-1793	20
469	Few layer 2D pnictogens catalyze the alkylation of soft nucleophiles with esters. <b>2019</b> , 10, 509	45
468	Catalytic Prenylation and Reverse Prenylation of Indoles with Isoprene: Regioselectivity Manipulation through Choice of Metal Hydride. <b>2019</b> , 58, 5438-5442	34
467	Enantioselective Catalytic Transformations of Barbituric Acid Derivatives. <b>2019</b> , 9, 131	7
466	Palladium-catalyzed allylic C-H oxidation under simple operation and mild conditions. <b>2019</b> , 17, 3103-3107	1
465	Palladium-Catalyzed Stereospecific C-Glycosylation of Glycals with Vinylogous Acceptors. <b>2019</b> , 9, 2909-2915	18
464	Construction of Vicinal Quaternary Carbon Centers via Cobalt-Catalyzed Asymmetric Reverse Prenylation. <b>2019</b> , 21, 1278-1282	18
463	Palladium-Catalyzed Dearomative syn-1,4-Oxyamination. <b>2019</b> , 131, 15909-15913	1
462	Palladium-Catalyzed Three-Component Coupling of 1,1-Dibromoalkenes, Vinylzinc Chloride, and Soft Nucleophiles: One-Pot Synthesis of 1,3-Disubstituted Allenes. <b>2019</b> , 4, 19499-19504	
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459	Synthesis of a Human Urinary Metabolite of Prostaglandin D. <b>2019</b> , 21, 10048-10051	2

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457	Organocatalyzed Intermolecular Asymmetric Allylic Dearomatization of Both ⊞- and Naphthols. <b>2019</b> , 21, 330-334	27
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454	Dehydrative Synthesis of Functionalized Skipped Dienes from Stabilized Phosphonium Ylides and Allylic Alcohols in Water. <b>2019</b> , 361, 1023-1027	10
453	Palladium-Catalyzed Dearomative syn-1,4-Diamination. <b>2019</b> , 141, 163-167	31
452	A Passerini/Tsuji-Trost access to dienamide derivatives. <b>2019</b> , 60, 102-105	2
451	Enantioconvergent Cross-Couplings of Alkyl Electrophiles: The Catalytic Asymmetric Synthesis of Organosilanes. <b>2019</b> , 58, 3571-3574	39
450	Regiodivergent Hydroaminoalkylation of Alkynes and Allenes by a Combined Rhodium and Photoredox Catalytic System. <b>2019</b> , 58, 3392-3397	50
449	Palladium-Catalyzed Asymmetric Dihydroxylation of 1,3-Dienes with Catechols. <b>2019</b> , 37, 226-232	6
448	Asymmetric Synthesis of the DEFG Rings of Solanoeclepin A. <b>2019</b> , 21, 644-647	6
447	Asymmetric Synthesis of ⊞-Quaternary £Lactams through Palladium-Catalyzed Asymmetric Allylic Alkylation. <b>2019</b> , 21, 603-607	14
446	Palladium-Catalyzed Synthesis of Indolines from Aroyloxycarbamates through a Tandem Decarboxylative Amination/Heck/Annulation Reaction. <b>2019</b> , 361, 192-200	6
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429	Palladium-Catalyzed Allylation of Cyclopropyl Acetylenes with Oxindoles to Construct 1,3-Dienes. <b>2020</b> , 2020, 680-688	4
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426	Palladium-catalyzed reaction of Bilylated allyl acetates proceeding through 1,2-shift of a substituent on silicon. <b>2020</b> , 76, 131493	4
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## (2020-2020)

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421	Terpenylammonium salts in Pd(dba)2 catalyzed allylic alkylation and in stoichiometric reactions with dibenzylideneacetone-palladium (0) complexes. <b>2020</b> , 922, 121373	
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408	Stereoselective access to [5.5.0] and [4.4.1] bicyclic compounds through Pd-catalysed divergent higher-order cycloadditions. <b>2020</b> , 12, 860-868	32
407	Palladium-Catalyzed Chemoselective Aminomethylative Cyclization and Aromatizing Allylic Amination: Access to Functionalized Naphthalenes. <b>2020</b> , 22, 8962-8966	5
406	Rhodium(III)-Catalyzed Asymmetric [4+1] and [5+1] Annulation of Arenes and 1,3-Enynes: A Distinct Mechanism of Allyl Formation and Allyl Functionalization. <b>2020</b> , 132, 22895-22902	3
405	Rhodium(III)-Catalyzed Asymmetric [4+1] and [5+1] Annulation of Arenes and 1,3-Enynes: A Distinct Mechanism of Allyl Formation and Allyl Functionalization. <b>2020</b> , 59, 22706-22713	21

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402	Tungsten-Catalyzed Allylic Substitution with a Heteroatom Nucleophile: Reaction Development and Synthetic Applications. <b>2020</b> , 85, 11501-11510	7
401	Recent advances in cobalt-catalyzed allylic functionalization. <b>2020</b> , 18, 7740-7750	13
400	-Allylated Pudovik and Passerini Adducts as Versatile Scaffolds for Product Diversification. <b>2020</b> , 85, 12514-12525	1
399	Rhodium-Catalyzed Cyclization of Terminal and Internal Allenols: An Atom Economic and Highly Stereoselective Access Towards Tetrahydropyrans. <b>2020</b> , 59, 23485-23490	12
398	Recent advances and prospects in the palladium-catalyzed cyanation of aryl halides 2020, 10, 33683-33699	23
397	Organocatalytic Asymmetric C(sp )-H Allylic Alkylation: Enantioselective Synthesis of Tetrasubstituted Allenoates. <b>2020</b> , 59, 19820-19824	18
396	Regio- and Enantioselective Allylic Alkylation of Terminal Alkynes by Synergistic Rh/Cu Catalysis. <b>2020</b> , 142, 15276-15281	13
395	Emergence of 2,3,5-trisubstituted tetrahydrofuran natural products and their synthesis. <b>2020</b> , 18, 7002-7025	4
394	Organocatalytic Asymmetric C(sp2) Allylic Alkylation: Enantioselective Synthesis of Tetrasubstituted Allenoates. <b>2020</b> , 132, 19992-19996	5
393	Formal <code>\B-Allylation</code> of Primary Amines by a Dearomative, Palladium-Catalyzed Umpolung Allylation of -(Aryloxy)imines. <b>2020</b> , 85, 14827-14846	2
392	Confinement of Nanoparticles in Carbon Nanotubes: A New Paradigm in Heterogeneous Catalysis. <b>2020</b> , 459-481	1
391	Rhodium-Catalyzed Cyclization of Terminal and Internal Allenols: An Atom Economic and Highly Stereoselective Access Towards Tetrahydropyrans. <b>2020</b> , 132, 23691-23696	2
390	Carbamate-based P,O-ligands for asymmetric allylic alkylations. <b>2020</b> , 76, 131246	2
389	Palladium-Catalyzed Asymmetric [8+2] Dipolar Cycloadditions of Vinyl Carbamates and Photogenerated Ketenes. <b>2020</b> , 59, 14096-14100	39
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## (2020-2020)

386	Three-Component, Interrupted Radical Heck/Allylic Substitution Cascade Involving Unactivated Alkyl Bromides. <b>2020</b> , 142, 10173-10183	58
385	Regioselective molybdenum-catalyzed allylic substitution of tertiary allylic electrophiles: methodology development and applications. <b>2020</b> , 11, 5481-5486	16
384	Palladium-Catalyzed Asymmetric [8+2] Dipolar Cycloadditions of Vinyl Carbamates and Photogenerated Ketenes. <b>2020</b> , 132, 14200-14204	10
383	Mechanism and Origin of Ligand-Controlled Chemo- and Regioselectivities in Palladium-Catalyzed Methoxycarbonylation of Alkynes. <b>2020</b> , 85, 7136-7151	10
382	Direct N-Glycosylation of Amides/Amines with Glycal Donors. <b>2020</b> , 85, 7485-7493	3
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377	Enantioselective Syntheses of Strychnos and Chelidonium Alkaloids through Regio- and Stereocontrolled Cooperative Catalysis. <b>2020</b> , 59, 17556-17564	10
376	Ruthenium-Catalyzed Propargylic Reduction of Propargylic Alcohols with Hantzsch Ester. <b>2020</b> , 39, 2130-213	<b>4</b> 5
375	Dehydrative Allylation of 2-Alkylbenzophenones with Allylic Alcohols. <b>2020</b> , 49, 616-618	2
374	Direct Dehydrogenation for the Synthesis of 日,即nsaturated Carbonyl Compounds. <b>2020</b> , 362, 3332-3346	9
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371	Palladium-Catalyzed -C-H Allylation of Arenes: A Unique Combination of a Pyrimidine-Based Template and Hexafluoroisopropanol. <b>2020</b> , 142, 12453-12466	43
370	JoyaPhos: An Atropisomeric Teraryl Monophosphine Ligand. <b>2020</b> , 26, 9864-9868	3
369	Rhodium-catalyzed regio- and enantioselective allylic alkylation of pyrazol-5-ones with alkynes. <b>2020</b> , 56, 8468-8471	8

368	Palladium-catalyzed asymmetric allylic C-H alkylation of 1,4-dienes and glycine Schiff bases. <b>2020</b> , 63, 454-459	14
367	Insights into Substrate Self-Assisted Activation of Allylic Alcohols Guiding to Mild Allylic Substitution of Tautomerizable Heteroarenes. <b>2020</b> , 85, 5097-5103	6
366	Nickel-Catalyzed Alkylation or Reduction of Allylic Alcohols with Alkyl Grignard Reagents. <b>2020</b> , 85, 4772-4784	19
365	Asymmetric synthesis of allylic compounds via hydrofunctionalisation and difunctionalisation of dienes, allenes, and alkynes. <b>2020</b> , 49, 2060-2118	105
364	Catalytic radical generation of Eallylpalladium complexes. <b>2020</b> , 3, 393-400	60
363	Rh(I)/Bisoxazolinephosphine-Catalyzed Regio- and Enantioselective Allylic Substitutions. <b>2020</b> , 10, 4491-4496	13
362	Enantioselective <code>\B-Allylation</code> of Anilines Enabled by a Combined Palladium and Photoredox Catalytic System. <b>2020</b> , 10, 4710-4716	25
361	Kinetics of Palladium(0)-Allyl Interactions in the Tsuji-Trost Reaction, derived from Single-Molecule Fluorescence Microscopy. <b>2020</b> , 12, 2630-2637	1
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359	Nickel-Catalyzed Dicarbofunctionalization of Alkenes. <b>2020</b> , 10, 8542-8556	107
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358 357	Use of the Hosomi-Sakurai allylation in natural product total synthesis. 2020, 76, 131351  Planar chiral palladacycle precatalysts for asymmetric synthesis. 2020, 18, 5466-5472  Diastereoselective Synthesis of #Lactams by Ligand-Controlled Stereodivergent Intramolecular	8
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349	Transmetalation as Key Step in the Diastereo- and Enantioselective Synergistic Cu/Pd-Catalyzed Allylboration of Alkynes with Racemic Allylic Carbonates. <b>2020</b> , 39, 740-745	8
348	Modular Chiral BisoxalamideLopper-Catalyzed Asymmetric Oxo-Diels Alder Reaction: Carbonyl Coordination for High Enantio- and Diastereocontrols. <b>2020</b> , 10, 3556-3563	10
347	Palladium-catalyzed diastereo- and enantioselective allylic alkylation of oxazolones with 1,3-dienes under base-free conditions. <b>2020</b> , 56, 3721-3724	13
346	Access to 1,3-Dinitriles by Enantioselective Auto-tandem Catalysis: Merging Allylic Cyanation with Asymmetric Hydrocyanation. <b>2020</b> , 132, 6851-6855	5
345	Combined Enzyme- and Transition Metal-Catalyzed Strategy for the Enantioselective Syntheses of Nitrogen Heterocycles: (-)-Coniine, DAB-1, and Nectrisine. <b>2020</b> , 5, 2005-2014	2
344	Ruthenium-catalyzed benzylic substitution of benzyl esters with stabilized carbon nucleophiles. <b>2020</b> , 56, 3273-3276	3
343	Construction of Acyclic Vicinal Tertiary and Quaternary Carbon Stereocenters via a Pd-Catalyzed Allylic Alkylation of Stereodefined Polysubstituted Ketene Aminals. <b>2020</b> , 2020, 3133-3137	6
342	Open-Air Stereoselective Construction of -Aryl Glycosides. <b>2020</b> , 22, 1144-1148	4
341	ECoordinating Chiral Primary Amine/Palladium Synergistic Catalysis for Asymmetric Allylic Alkylation. <b>2020</b> , 142, 3184-3195	28
340	Asymmetric Synthesis of Axially Chiral Phosphamides via AtroposelectiveN-Allylic Alkylation. <b>2020</b> , 10, 2324-2333	20
339	Nickel-catalyzed allylic carbonylative coupling of alkyl zinc reagents with tert-butyl isocyanide. <b>2020</b> , 11, 392	23
338	Pd-Catalyzed Asymmetric N-Allylation of Amino Acid Esters with Exceptional Levels of Catalyst Control: Stereo-Divergent Synthesis of ProM-15 and Related Bicyclic Dipeptide Mimetics. <b>2020</b> , 26, 3049-3053	4
337	Dehydration in water: frustrated Lewis pairs directly catalyzed allylization of electron-rich arenes and allyl alcohols <b>2020</b> , 10, 16942-16948	3
336	Allylic C(sp)-H alkylation synergistic organo- and photoredox catalyzed radical addition to imines. <b>2020</b> , 11, 4954-4959	16
335	Catalysis Mediated by 2D Black Phosphorus Either Pristine or Decorated with Transition Metals Species. <b>2020</b> , 3, 132-167	5
334	Pd-Catalyzed Asymmetric Allylic Substitution Annulation Using Enolizable Ketimines as Nucleophiles: An Alternative Approach to Chiral Tetrahydroindoles. <b>2020</b> , 362, 2059-2069	5
333	Chiral Brfisted Acid Catalyzed Enantioconvergent Propargylic Substitution Reaction of Racemic Secondary Propargylic Alcohols with Thiols. <b>2020</b> , 26, 11124-11128	10

332	Catalytic Asymmetric Reactions with -Metallated Azomethine Ylides. <b>2020</b> , 53, 1084-1100	67
331	Asymmetric Allylic Alkylation of Ketoesters via CN Bond Cleavage of N-Allyl-N-methylaniline Derivatives Catalyzed by a NickelDiphosphine System. <b>2020</b> , 10, 5828-5839	16
330	C-Aryl Glycosylation: Palladium-Catalyzed Aryl-Allyl Coupling of Achmatowicz Rearrangement Products with Arylboronic Acids. <b>2020</b> , 85, 6663-6674	5
329	Cobalt-Catalyzed Regio- and Enantioselective Allylic Alkylation of Malononitriles. <b>2020</b> , 22, 3519-3523	22
328	Stereodivergent Pd/Cu Catalysis for the Dynamic Kinetic Asymmetric Transformation of Racemic Unsymmetrical 1,3-Disubstituted Allyl Acetates. <b>2020</b> , 142, 8097-8103	67
327	Palladium-catalysed decarboxylative annulations of vinylethylene carbonates leading to diverse functionalised heterocycles. <b>2020</b> , 18, 3638-3648	27
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321	Palladium-Catalyzed Asymmetric Hydrosulfonylation of 1,3-Dienes with Sulfonyl Hydrazides. <b>2021</b> , 60, 2948-2951	18
320	Rhodium-Catalyzed Chemodivergent Regio- and Enantioselective Allylic Alkylation of Indoles. <b>2021</b> , 27, 3457-3462	5
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## (2021-2021)

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311	Boron-catalyzed dehydrative allylation of 1,3-diketones and Retone esters with 1,3-diarylallyl alcohols in water <b>2021</b> , 11, 17025-17031	O
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293	Orthogonal Regulation of Nucleophilic and Electrophilic Sites in Pd-Catalyzed Regiodivergent Couplings between Indazoles and Isoprene. <b>2021</b> , 133, 8402-8409	10
292	Efficient Aerobic Oxidation of Organic Molecules by Multistep Electron Transfer. <b>2021</b> , 133, 15818-15836	2
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290	Counteranion-controlled regioselectivity in palladium-catalyzed allylic amination of dienyl allylic carbonates. <b>2021</b> , 84, 131996	0
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270	Total Synthesis in the Trost Laboratories: Selected Milestones From the Past Twenty Years. <b>2021</b> , 61, 427-468	0
269	Enantioselective Synthesis of Quaternary Carbon Stereocenters by Asymmetric Allylic Alkylation: A Review. <b>2021</b> , 16, 1864-1877	8
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262	Total Synthesis of the Alleged Structure of Crenarchaeol Enables Structure Revision*. <b>2021</b> , 60, 17504-17513	4
261	Enantioconvergent Substitution Reactions of Racemic Electrophiles by Organocatalysis. <b>2021</b> , 27, 10215-1022	258

Total Synthesis of the Alleged Structure of Crenarchaeol Enables Structure Revision\*\*. **2021**, 133, 17645-17654

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Sustainable Pd(OAc)2/Hydroquinone Cocatalyst System for Cis-Selective Dibenzoyloxylation of 242 1,3-Cyclohexadiene. **2021**, 133, 23366 Palladium-catalyzed asymmetric allylic alkylation of 3-amino-2-oxindoles: Synthesis of 241 3-allyl-3-amino-2-oxindoles. 2021, 82, 153385 Interrupted Kinugasa allylic alkylation. 2021, 240 1 Sustainable Pd(OAc) /Hydroquinone Cocatalyst System for Cis-Selective Dibenzoyloxylation of 239 1,3-Cyclohexadiene. **2021**, 60, 23182-23186 Enhanced Catalysis Based on the Surface Environment of the Silica-Supported Metal Complex. 2021 238 3 , 11, 11985-12018 Enantioselective Lactonization by EAcid-Catalyzed Allylic Substitution: A Complement to 237 FAllylmetal Chemistry. 2021, 133, 22398-22403 236 Nickel/Photo-Cocatalyzed C(sp)-H Allylation of Aldehydes and Formamides. 2021, 23, 7672-7677 3 Theoretical View of Rh-Catalyzed CH Functionalization. 2021, 1-18 235 Diastereo- and enantioselective synthesis by nontraditional activation methods: Ultrasonic, 234 microwave, electro-, photo- and mechanochemically activated reactions. 2021, 511-557 Preparation of 2-Aryl-3-silyl- and 2-Aryl-3-germyl-1,3-butadienes via Arylnickelation and 233 Zinciomethylation. **2021**, 103, 769 Palladium-catalyzed asymmetric allylic alkylation (AAA) with alkyl sulfones as nucleophiles. 2021, 232 O 12, 10532-10537 Copper/Lewis base cooperatively catalyzed asymmetric allylic alkylation of Morita-Baylis-Hillman 231 4 carbonates with azomethine ylides. 2021, 57, 8059-8062 [Pd]-Catalyzed -selective allylation of phenols: access to 4-[()-3-aryl/alkylprop-2-enyl]phenols. 2021, 230 O 19,8259-8263 Palladium-catalysed oxidative nucleophilic allylation between alkenes and activated ketimines. 229 **2021**, 8, 5418-5423 Carbon dioxide-promoted palladium-catalyzed dehydration of primary allylic alcohols: access to 228  $\circ$ substituted 1,3-dienes. 2021, 8, 941-946 Pd-Catalyzed allylic C-H activation to seven-membered ,-heterocycles. 2021, 57, 10915-10918 227 3 Mechanistic insights into rhodium-catalyzed enantioselective allylic alkylation for quaternary 226 2 stereogenic centers. 2020, 12, 2527-2539 Beyond Allylic Alkylation: Applications of Trost Chemistry in Complex Molecule Synthesis. 2021, 61, 340-366 225

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147	Access to chiral homoallylic vicinal diols from carbonyl allylation of aldehydes with allyl ethers via palladium-catalyzed allylic C-H borylation. 1	Ο
146	Nickel-Catalyzed Allylic Substitution Reactions: An Evolving Alternative. <b>2022</b> , 2022, e202100820	2
145	The Preparation and Resolution of Novel Axially Chiral Pyrazine-Containing P,N Ligands for Asymmetric Catalysis and Their Application in Palladium-Catalysed Allylic Substitution. e202100205	
144	Palladium-Catalyzed [1,3]-O-to-N Rearrangement of Allylic 🛭 midates. 33,	
143	The Enantioselective Intermolecular Saegusa Allylation. 14842-14847	2
142	Proofreading experimentally assigned stereochemistry through Q2MM predictions in Pd-catalyzed allylic aminations. <b>2021</b> , 12, 6719	1
141	Asymmetric Rhodium-Catalyzed Allylic Substitution Reactions with Nitrile-Stabilized Carbanions.	O
140	1,1,1,3,3,3-Hexafluoro-2-propanol (HFIP)-Assisted Catalyst-Free Sulfonation of Allylic Alcohols with Sulfinyl Amides <b>2022</b> ,	1
139	Palladium-catalyzed stereoselective trifluoromethylated allylic alkylation of 3-substituted oxindoles.	O
138	Development of Nickel-Catalyzed Cross-Coupling of Alcohol Derivatives to Construct Carbon-Carbon Bonds. <b>2021</b> , 41, 4208	O
137	Copper-Catalyzed Asymmetric Hydroallylation of Vinylsilanes. e202101575	O
136	Palladium-Catalyzed Carbene Migratory Insertion/Carbonylation Cascade Reaction: Synthesis of 2-Indolones with a C3 All-Carbon Quaternary Center <b>2022</b> ,	1
135	Dispersion and Steric Effects on Enantio-/Diastereoselectivities in Synergistic Dual Transition-Metal Catalysis <b>2022</b> ,	7

134	Iron-Catalyzed Ring-Opening/Allylation of Cycloalkyl Hydroperoxides with Allylic Sulfones.	О
133	Regio- and Enantioselective Decarboxylative Allylic Benzylation Enabled by Dual Palladium/Photoredox Catalysis. <b>2022</b> , 12, 1428-1432	5
132	Carboxylation with Carbon Dioxide as a C 1 Source via Carbon Larbon Bond Forming Reactions. <b>2022</b> , 909-971	
131	Bimetallic Palladium/Cobalt Catalysis for Enantioselective Allylic CH Alkylation via a Transient Chiral Nucleophile Strategy.	
130	Bimetallic Palladium/Cobalt Catalysis for Enantioselective Allylic C-H Alkylation via Transient Chiral Nucleophile Strategy <b>2022</b> ,	1
129	Iridium-Catalyzed Enantioselective and Chemodivergent Allenylic Alkylation of Vinyl Azides for the Synthesis of ⊞-Allenylic Amides and Ketones**. e202115821	
128	Iridium-Catalyzed Enantioselective and Chemodivergent Allenylic Alkylation of Vinyl Azides for the Synthesis of ⊞-Allenylic Amides and Ketones <b>2022</b> ,	1
127	Recent Progress and Developments in Chemoenzymatic and Biocatalytic Dynamic Kinetic Resolution.	2
126	Umpolung Type-I and -II Cyclizations of Aldehyde-Containing Allylpalladium Intermediates. <b>2022</b> , 80, 103-114	
125	Transition-Metal-Catalyzed Dearomative Spiroannulation Reactions. <b>2022</b> , 313-355	
125 124	Transition-Metal-Catalyzed Dearomative Spiroannulation Reactions. 2022, 313-355  Application of Polysaccharide-Based Chiral High-Performance Liquid Chromatography Columns for the Separation of Regio-, /-, and Enantio-Isomeric Mixtures of Allylic Compounds 2022, 7, 5146-5153	O
	Application of Polysaccharide-Based Chiral High-Performance Liquid Chromatography Columns for	0
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116	Regio- and Enantioselective EAllylic Alkylation of In Situ-Generated Free Dienolates via Scandium/Iridium Dual Catalysis.	
115	Asymmetric Redox Allylic Alkylation to Access 3,3?-Disubstituted Oxindoles Enabled by Ni/NHC Cooperative Catalysis.	
114	Off-Cycle Catalyst Cooperativity in Amine/Transition Metal Combined Catalysis: Bicyclo[3.2.0]heptanes as Key Species in Co-Catalytic Enantioselective Carbocyclizations.	
113	Stereodivergent Desymmetrization of Simple Dicarboxylates via Branch-Selective Pd/Cu Catalyzed Allylic Substitution <b>2022</b> ,	О
112	Stabilization of ∃-ZrP ceramic nanosheets adsorbing quaternary ammonium ions in organic solvents and their application as a stable solid support for lipase catalyzing stereospecific synthetic reactions. 1-8	
111	Umpolung carbonyls enable direct allylation and olefination of carbohydrates 2022, 8, eabm6840	4
110	Diastereoselective synthesis of a cyclic diamide-bridged biphenyl as chiral atropos ligand 2022,	O
109	Asymmetric Redox Allylic Alkylation to Access 3,3?-Disubstituted Oxindoles Enabled by Ni/NHC Cooperative Catalysis <b>2022</b> ,	2
108	Catalytic Asymmetric Benzylation of Azomethine Ylides Enabled by Synergistic Lewis Acid/Palladium Catalysis <b>2022</b> ,	3
107	Nickel/Copper-Cocatalyzed Asymmetric Benzylation of Aldimine Esters for the Enantioselective Synthesis of ∃-Quaternary Amino Acids <b>2022</b> ,	3
106	Nickel/Copper-Cocatalyzed Asymmetric Benzylation of Aldimine Esters for the Enantioselective Synthesis of ∃-Quaternary Amino Acids.	
105	Palladium-Catalyzed Enantioselective EArylation of Lynsaturated Butenolides 2022,	1
104	Palladium-Catalyzed Enantioselective EArylation of Lunsaturated Butenolides.	
103	Direct nucleophilic substitutions of allylic alcohols with 1,3-dicarbonyl compounds: Synthetic design, mechanistic aspects and applications. <b>2022</b> , 111, 132732	1
102	Recent applications of vinylethylene carbonates in Pd-catalyzed allylic substitution and annulation reactions: Synthesis of multifunctional allylic and cyclic structural motifs. <b>2022</b> , 462, 214526	5
101	Electrochemical Synthesis of Allylic Amines from Terminal Alkenes and Secondary Amines <b>2021</b> , 143, 21503-21510	8
100	Regio- and Enantioselective Iridium-Catalyzed Amination of Alkyl-Substituted Allylic Acetates with Secondary Amines <b>2021</b> ,	1
99	Selective monoallylation of anilines to -allyl anilines using reusable zirconium dioxide supported tungsten oxide solid catalyst <b>2022</b> , 12, 11877-11884	O

98  $\,$  Enantios elective Synthesis of Axially Chiral N-Aryl-3-methylene isoindolin-1-ones.

97	N-Glycosides. <b>2022</b> , 229-284	
96	Synthesis and crystal structures of palladium complexes based on ∃-amino-oximes derived from (R)-limonene and their application in allylic alkylation of 1,3-dioxo compounds. <b>2022</b> , 25, 125-135	
95	Pd-Catalyzed Regioselective Intramolecular Allylic C-H Amination of 1,1-Disubstituted Alkenyl Amines <b>2022</b> ,	0
94	Pd-Catalyzed Asymmetric Allylic Substitution Cascade of Substituted 4-Hydroxy-2-pyrones with -Allyl Dicarbonates <b>2022</b> , 24, 3440-3444	2
93	Regio- and Diastereoselective Decarboxylative Allylation of N-Aryl ∃-Amino Acids by Dual Photoredox/Nickel Catalysis. 5949-5960	
92	Chiral Brfisted Acid-Catalyzed Intramolecular Asymmetric Allylic Alkylation of Indoles with Primary Alcohols <b>2022</b> , 24, 3544-3548	0
91	Catalytic asymmetric Tsuji-Trost ∃-benzylation reaction of N-unprotected amino acids and benzyl alcohol derivatives <b>2022</b> , 13, 2509	2
90	Decarboxylative Allylic Alkylation of Phthalides: Stabilized Benzylic Nucleophiles for sp-sp Coupling <b>2022</b> ,	
89	Pd/NHC-Controlled Regiodivergent Defluorinative Allylation of gem-Difluorocyclopropanes with Allylboronates. 6495-6505	2
88	Green protocols for Tsujillrost allylation: an overview. <b>2022</b> ,	
87	A copper-catalysed one-pot hydroboration/azidation/cycloaddition reaction of alkynes.	O
86	Allylations of Aryl/Heteroaryl Ketones: Neat, Clean, and Sustainable. Applications to Targets in the Pharma- and Nutraceutical Industries.	0
85	Copper-Catalyzed Yne-Allylic Substitutions Using Stabilized Nucleophiles. 6840-6850	O
84	Palladium-catalysed branch- and enantioselective allylic CH alkylation of $\boxminus$ -alkenes.	О
83	Ni-Catalyzed Cyanation of Allylic Alcohols with Formamide as the Cyano Source.	
82	The coordination and catalytic chemistry of phosphanylferrocene chalcogenides.	
81	Palladium-Catalyzed Decarboxylative O-Allylation of Phenols with EMethylidene-Evalerolactones.	

80	Palladium(0)-Catalyzed Remote Decarboxylative Allylation and Base-Mediated 1,3-Migration. <b>2022</b> , 87, 8267-8276	
79	Cationic palladium(ii)-indenyl complexes bearing phosphines as ancillary ligands: synthesis, and study of indenyl amination and anticancer activity.	
78	Enantioselective Three-Component Photochemical 1,4-Bisalkylation of 1,3-Butadiene with Pd/Cu Catalysis.	2
77	Chiral Amines via Enantioselective FAllyliridium-C,O-Benzoate-Catalyzed Allylic Alkylation: Student Training via Industrial Academic Collaboration.	3
76	Enantioselective Three-Component Photochemical 1,4-Bisalkylation of 1,3-Butadiene with Pd/Cu Catalysis.	
75	Development of an Enantioselective Allylic Alkylation of Acyclic 日-Fluoro-根etoesters for the Asymmetric Synthesis of 3-Fluoropiperidines.	O
74	Organic group decorated heterogeneous Pd complex on mesoporous silica toward catalytic allylation in aqueous media. <b>2022</b> ,	
73	Enantio- and Regioconvergent Nickel-Catalyzed Allylic Substitution of Racemic ⊞- or ⊞ilylated Allylic Bromides with Benzylzinc Reagents. <b>2022</b> , 24, 4987-4991	2
72	Radical Termination via 野cission Enables Photoenzymatic Allylic Alkylation Using EnetReductases. 9801-9805	1
71	Asymmetric Total Synthesis of (+)-Alstonlarsine A. <b>2022</b> , 144, 14396-14402	1
70	Biomacromolecule-Assisted Screening for Reaction Discovery and Catalyst Optimization. <b>2022</b> , 122, 13800	
		)-13880
69	Enantioselective Nickel-Catalyzed Electrochemical Radical Allylation.	)-13880
69 68	Enantioselective Nickel-Catalyzed Electrochemical Radical Allylation.  Stereoretentive Regio- and Enantioselective Allylation of Isoxazolinones by a Planar Chiral Palladacycle Catalyst.	0-13880
	Stereoretentive Regio- and Enantioselective Allylation of Isoxazolinones by a Planar Chiral	
68	Stereoretentive Regio- and Enantioselective Allylation of Isoxazolinones by a Planar Chiral Palladacycle Catalyst.  Stereoretentive regio- und enantioselektive Allylierung von Isoxazolinonen per planar chiralem	
68 67	Stereoretentive Regio- and Enantioselective Allylation of Isoxazolinones by a Planar Chiral Palladacycle Catalyst.  Stereoretentive regio- und enantioselektive Allylierung von Isoxazolinonen per planar chiralem Palladacyclus-Katalysator.	0
68 67 66	Stereoretentive Regio- and Enantioselective Allylation of Isoxazolinones by a Planar Chiral Palladacycle Catalyst.  Stereoretentive regio- und enantioselektive Allylierung von Isoxazolinonen per planar chiralem Palladacyclus-Katalysator.  Photochemical Allylation of Alkanes Enabled by Nickel Catalysis. 2022, 12, 10039-10046	2

62 Fe-Catalyzed Amidation of Allylic Alcohols by Borrowing Hydrogen Catalysis.

61	Exploring the Gas Phase Formation and Chemical Reactivity of Highly Reduced M8L6 Coordination Cages.	O
60	Influence of Achiral Phosphine Ligands on a Synergistic Organo- and Palladium-Catalyzed Asymmetric Allylic Alkylation.	О
59	Palladium-catalyzed asymmetric allylic 4-pyridinylation via electroreductive substitution reaction. <b>2022</b> , 13,	O
58	Hydrofunctionalization of Propadiene [New Life for a Previously Unwanted Product. <b>2022</b> , 12, 11301-11305	О
57	Iridium-Catalyzed Asymmetric Allylic Benzylation with Photogenerated Hydroxy-o-Quinodimethanes.	Ο
56	Exploring the Gas Phase Formation and Chemical Reactivity of Highly Reduced M8L6 Coordination Cages.	O
55	Iridium-Catalyzed Asymmetric Allylic Benzylation with Photogenerated Hydroxy-o-Quinodimethanes.	Ο
54	Palladium-Catalyzed Annulative Allylic Functionalization Reactions. 1-30	O
53	Diastereo- and Enantioselective Metathesis Dimerization/Kinetic Resolution of Racemic Planar-Chiral Vinylferrocenes.	O
52	Recent Development of Allyl-Allyl Cross-Coupling and its Application in Natural Product Synthesis.	О
51	The Synthesis of Novel P,N-Ferrocenylpyrrolidine-Containing Ligands and Their Application in Pd-Catalyzed Allylic Alkylation A Synthetic and Mechanistic Investigation. <b>2022</b> , 33, 1841-1846	1
50	Copper-catalysed convergent regio- and enantioselective alkynylallylic substitution.	О
49	Stereodivergent dehydrative allylation of 眯eto esters using a Ru/Pd synergistic catalyst. <b>2022</b> , 13,	1
48	Cobalt(III)-Catalyzed and DMSO-Involved Allylation of 1,3-Dicarbonyl Compounds with Alkenes.	1
47	Rhodium-Catalyzed Dynamic Kinetic Resolution of Racemic Internal Allenes towards Chiral Allylated Triazoles and Tetrazoles. <b>2022</b> , 12, 1209	O
46	Polydentate P, N-based ligands for palladium-catalyzed cross-coupling reactions. <b>2022</b> , 532, 112699	О
45	Transition Metal-Catalyzed Asymmetric Cyclizations Involving Allyl or Propargyl Heteroatom-Dipole Precursors. <b>2022</b> , 42, 3051	1

44	Pd/Novel Axially Chiral Phosphine-Alkene Ligands Catalyzed Asymmetric Allylic Alkylation of Indoles. <b>2022</b> , 42, 3373	1
43	Dirhodium/Xantphos-Catalyzed Tandem C⊞ Functionalization/Allylic Alkylation: Direct Access to 3-Acyl-3-allyl Oxindole Derivatives from N-Aryldiazoketo Amides. <b>2022</b> , 42, 3390	O
42	Redox-neutral synthesis of Eallylcobalt complexes from alkenes for aldehyde allylation via photoredox catalysis.	0
41	Catalytic Enantioselective Synthesis of N-C Axially Chiral N-(2,6-Disubstituted-phenyl)sulfonamides through Chiral Pd-Catalyzed N-Allylation. <b>2022</b> , 27, 7819	O
40	Asymmetric transformations enabled by synergistic dual transition-metal catalysis. 2022,	1
39	N-Allylbenzimidazole as a strategic surrogate in Rh-catalyzed stereoselective trans-propenylation of aryl C(sp2)日 bond. <b>2022</b> , 59, 199-202	Ο
38	Chapter 2. Carboxylation with CO2. <b>2022</b> , 19-61	0
37	Ru3(CO)12-Catalyzed Modular Assembly of Hemilabile Ligands by $CH$ Activation of Phosphines with Isocyanates.	O
36	Ru3(CO)12-Catalyzed Modular Assembly of Hemilabile Ligands by CH Activation of Phosphines with Isocyanates.	0
35	Site-Selective CH Allylation of Alkanes: Facile Access to Allylic Quaternary sp 3 -Carbon Centers.	Ο
34	Pd-catalyzed functionalization of 1,3-enynes via alkylene-Fallylpalladium intermediates. <b>2022</b> ,	О
33	Site-Selective CH Allylation of Alkanes: Facile Access to Allylic Quaternary sp 3 -Carbon Centers.	Ο
32	Stereospecific/stereoselective Nickel catalyzed reductive cross-coupling: An efficient tool for the synthesis of biological active targeted molecules. <b>2022</b> , 101589	0
31	Cross-Coupling of Cyclobutenone N-Tosylhydrazones with Organohalides: Access to Conjugated Enynes and Enallenes via a Strained Allylpalladium Intermediate. <b>2022</b> , 24, 9151-9156	O
30	Stereodivergent Synthesis of Allenes with $\Box$ , $\Box$ Adjacent Central Chiralities Empowered by Synergistic Pd/Cu Catalysis.	O
29	A Syn Outer-Sphere Oxidative Addition: The Reaction Mechanism in Pd/Senphos-Catalyzed Carboboration of 1,3-Enynes.	1
28	Mechanistic explorations on the decarboxylative allylation of amino esters via dual photoredox and palladium catalysis.	0
27	Stereodivergent Synthesis of Allenes with 日,和djacent Central Chiralities Empowered by Synergistic Pd/Cu Catalysis.	O

26	Cooperative Asymmetric Dual Catalysis Involving a Chiral N-Heterocyclic Carbene Organocatalyst and Palladium in an Annulation Reaction: Mechanism and Origin of Stereoselectivity. 1133-1148	O
25	Morita <b>B</b> aylis⊞illman Adducts or Derivatives for the Construction of Cyclic Frameworks. <b>2011</b> , 325-484	O
24	Development of Immobilized Carreira (Phosphoramidite, Olefin) Ligands and Application in Iridium-Catalyzed Asymmetric Allylic Amination.	О
23	Nickel(0)-Catalyzed Hydrocyanation of Terminal Allenes: A Regio- and Enantioselective Approach to Branched Allylic Nitriles. <b>2023</b> , 365, 335-341	Ο
22	Base-Controlled Palladium-Catalyzed Intramolecular 'One Substrate IFive Reactions' of 5-Benzyl-1-(2-halobenzyl)-2-phenyl-1H-pyrazol-3(2H)-ones.	О
21	Heterogeneous Pd complex catalyst for allylation with allylic alcohols enhanced by aluminum-doped mesoporous silica support.	O
20	Reactivity of vinylidene-Hallyl palladium(ii) species. <b>2023</b> , 59, 3727-3730	О
19	Ligand-Dictated Regiodivergent Allylic Functionalizations via Palladium-Catalyzed Remote Substitution.	O
18	Protecting-group-directed stereodivergent Tsujillrost cyclization: total synthesis of oxylipids and (+)-petromyroxol. <b>2023</b> , 59, 2007-2010	0
17	Developments and applications of allyl-(aza)allyl coupling reactions. 2023,	О
16	Asymmetric Synthesis of a Quaternary Carbon Stereogenic Center by Organocatalysis Using a Primary Amino Acid and Its Salt.	1
15	Enantioselective Hydroalkoxylation of 1,3-Dienes via Ni-Catalysis.	0
14	The construction of chiral 3-acyl bicyclolactams via a RuPHOX/Pd catalyzed asymmetric allylic substitution cascade of ∃-carbonylamides. <b>2023</b> , 10, 1731-1737	О
13	trans-Hydroalkynylation of Internal 1,3-Enynes Enabled by Cooperative Catalysis. <b>2023</b> , 145, 5624-5630	O
12	N-Allylation of Azoles with Hydrogen Evolution Enabled by Visible-Light Photocatalysis. <b>2023</b> , 25, 1722-1726	О
11	Recent Development in the Catalytic Applications of Pd-NHC (NHC=N-Heterocyclic Carbene) Compounds in Amide CN Activation Reactions. <b>2023</b> , 12,	0
10	Rational Utilization of Black Phosphorus Nanosheets to Enhance Palladium-Mediated Bioorthogonal Catalytic Activity for Activation of Therapeutics.	О
9	Rational Utilization of Black Phosphorus Nanosheets to Enhance Palladium-Mediated Bioorthogonal Catalytic Activity for Activation of Therapeutics.	O

8	Ligand-Dictated Regiodivergent Allylic Functionalizations via Palladium-Catalyzed Remote Substitution.	О
7	Synthesis of Chiral 1,1,1-Trifluoro-⊞,⊞-disubstituted 2,4-Diketones via Palladium-Catalyzed Asymmetric Allylation. <b>2023</b> , 25, 2388-2393	O
6	Mechanistic Exploitations of the Asymmetric $\oplus$ -Allylation of an $\oplus$ -CF3 Amide Enabled by Cu/Pd Synergistic Dual Catalysis.	О
5	Expanding Reaction Profile of Allyl Carboxylates via 1,2-Radical Migration (RaM): Visible-Light-Induced Phosphine-Catalyzed 1,3-Carbobromination of Allyl Carboxylates.	O
4	Electroreductive Nickel-Catalyzed Allylation of Aryl Chlorides.	O
3	Asymmetric redox benzylation of enals enabled by NHC/Ru cooperative catalysis. 2023, 9,	O
2	Electrochemical Allylic Alkylation of Morita-Baylis-Hillman Adducts and N-Hydroxyphthalimide Esters towards C(sp3) (sp3) Bond Formation. <b>2023</b> , 43, 1574	О
1	Photoredox/Nickel Dual-Catalyzed Regioselective Allylic Arylations of Allyl Trifluoroborates with Aryl Halides. <b>2023</b> , 25, 3319-3324	O