Barry M Trost

List of Publications by Year in Descending Order

1,034 papers	80,914 citations	129 h-index	222 g-index
1,240 ext. papers	87,056 ext. citations	11.4 avg, IF	8.59 L-index

#	Paper	IF	Citations
1034	Pd-Catalyzed Regio-, Diastereo-, and Enantioselective [3 + 2] Cycloaddition Reactions: Access to Chiral Cyclopentyl Sulfones. *Organic Letters*, **2021**, 23, 2460-2464	6.2	1
1033	Catalytic Asymmetric Synthesis of the Pentacyclic Core of (+)-Citrinadin A. *Organic Letters*, **2021**, 23, 4981-4985	6.2	1
1032	Regiodivergent Synthesis of Spirocyclic Compounds through Pd-Catalyzed Regio- and Enantioselective [3+2] Spiroannulation. *Angewandte Chemie - International Edition*, **2021**, 60, 5806-5810	16.4	21
1031	Total Synthesis of Kadcoccinic Acid A Trimethyl Ester. *Journal of the American Chemical Society*, **2021**, 143, 12286-12293	16.4	0
1030	Palladium-catalyzed asymmetric allylic alkylation (AAA) with alkyl sulfones as nucleophiles. *Chemical Science*, **2021**, 12, 10532-10537	9.4	0
1029	Pd(0)-Catalyzed Diastereo- and Enantioselective Intermolecular Cycloaddition for Rapid Assembly of 2-Acyl-methylenecyclopentanes. *Organic Letters*, **2021**, 23, 979-983	6.2	2
1028	Regiodivergent Synthesis of Spirocyclic Compounds through Pd-Catalyzed Regio- and Enantioselective [3+2] Spiroannulation. *Angewandte Chemie*, **2021**, 133, 5870-5874	3.6	7
1027	ProPhenol Derived Ligands to Simultaneously Coordinate a Main-Group Metal and a Transition Metal: Application to a Zn-Cu Catalyzed Reaction.. *Chemistry - A European Journal*, **2021**, e202104268	4.8	2
1026	Ruthenium-catalysed multicomponent synthesis of the 1,3-dienyl-6-oxy polyketide motif. *Nature Chemistry*, **2020**, 12, 629-637	17.6	11
1025	Total synthesis of bryostatin 3. *Science*, **2020**, 368, 1007-1011	33.3	11
1024	Forging Odd-Membered Rings: Palladium-Catalyzed Asymmetric Cycloadditions of Trimethylenemethane. *Accounts of Chemical Research*, **2020**, 53, 1293-1305	24.3	38
1023	Direct Enantio- and Diastereoselective Zn-ProPhenol-Catalyzed Mannich Reactions of CF- and SCF-Substituted Ketones. *Organic Letters*, **2020**, 22, 2437-2441	6.2	10
1022	Ruthenium-Catalyzed Asymmetric Allylic Alkylation of Isatins. *Organic Letters*, **2020**, 22, 2584-2589	6.2	6
1021	Total synthesis of terpenes via palladium-catalysed cyclization strategy. *Nature Chemistry*, **2020**, 12, 568-573	17.6	11
1020	Palladium-Catalyzed Regio-, Enantio-, and Diastereoselective Asymmetric [3 + 2] Cycloaddition Reactions: Synthesis of Chiral Cyclopentyl Phosphonates. *ACS Catalysis*, **2020**, 10, 1969-1975	13.1	19
1019	A borane-mediated palladium-catalyzed reductive allylic alkylation of α,β-unsaturated carbonyl compounds. *Chemical Science*, **2020**, 11, 2136-2140	9.4	4
1018	Enantio- and Diastereoselective Double Mannich Reaction between Ketones and Imines Catalyzed by Zn-ProPhenol. *Organic Letters*, **2020**, 22, 1675-1680	6.2	8

1017	Ruthenium-Catalyzed Intermolecular Coupling of Vinylic 1,2-Bisboronates with Alkynes: Stereoselective Access to Boryl-Substituted Homoallylic Alcohols. *Journal of the American Chemical Society*, **2020**, 142, 7312-7316	16.4	11
1016	Use of α-trifluoromethyl carbanions for palladium-catalysed asymmetric cycloadditions. *Nature Chemistry*, **2020**, 12, 294-301	17.6	33
1015	Annulative Allylic Alkylation Reactions between Dual Electrophiles and Dual Nucleophiles: Applications in Complex Molecule Synthesis. *Chemistry - A European Journal*, **2020**, 26, 1906-1921	4.8	17
1014	Highly Regio-, Diastereo-, and Enantioselective Synthesis of Tetrahydroazepines and Benzo[b]oxepines through Palladium-Catalyzed [4+3] Cycloaddition Reactions. *Angewandte Chemie - International Edition*, **2020**, 59, 1243-1247	16.4	46
1013	Lipid droplets can promote drug accumulation and activation. *Nature Chemical Biology*, **2020**, 16, 206-213	11.7	22
1012	Highly Regio-, Diastereo-, and Enantioselective Synthesis of Tetrahydroazepines and Benzo[b]oxepines through Palladium-Catalyzed [4+3] Cycloaddition Reactions. *Angewandte Chemie* , **2020**, 132, 1259-1263	3.6	12
1011	Acyclic Branched α-Fluoro Ketones for the Direct Asymmetric Mannich Reaction Leading to the Synthesis of αTetrasubstituted αFluoro Amines. *Angewandte Chemie*, **2020**, 132, 2390-2394	3.6	6
1010	Acyclic Branched α-Fluoro Ketones for the Direct Asymmetric Mannich Reaction Leading to the Synthesis of αTetrasubstituted αFluoro Amines. *Angewandte Chemie - International Edition*, **2020**, 59, 2370-2374	16.4	14
1009	Palladium-Catalyzed Enantioselective Cycloadditions of Aliphatic 1,4-Dipoles: Access to Chiral Cyclohexanes and Spiro [2.4] heptanes. *Journal of the American Chemical Society*, **2020**, 142, 18628-18636	16.4	17
1008	Catalytically Generated Vanadium Enolates Formed via Interruption of the Meyer-Schuster Rearrangement as Useful Reactive Intermediates. *Accounts of Chemical Research*, **2020**, 53, 1568-1579	24.3	20
1007	Zn-ProPhenol Catalyzed Enantioselective Mannich Reaction of 2-Azirines with Alkynyl Ketones. *Organic Letters*, **2020**, 22, 9683-9687	6.2	7
1006	Transition-Metal-Catalyzed Cycloaddition Reactions to Access Seven-Membered Rings. *Chemistry - A European Journal*, **2020**, 26, 15354-15377	4.8	21
1005	Pd(0)-Catalyzed Chemo-, Diastereo-, and Enantioselective α-Quaternary Alkylation of Branched Aldehydes. *ACS Catalysis*, **2020**, 10, 9496-9503	13.1	13
1004	Palladium-Catalyzed Enantioselective Cycloaddition of Carbonylogous 1,4-Dipoles: Efficient Access to Chiral Cyclohexanones. *Journal of the American Chemical Society*, **2020**, 142, 21645-21650	16.4	14
1003	Zweikernige Metall-ProPhenol-Katalysatoren: Entwicklung und Anwendungen in der Synthese. *Angewandte Chemie*, **2020**, 132, 4268-4291	3.6	9
1002	Dinuclear Metal-ProPhenol Catalysts: Development and Synthetic Applications. *Angewandte Chemie - International Edition*, **2020**, 59, 4240-4261	16.4	37
1001	Enantioselective Divergent Syntheses of (+)-Bulleyanaline and Related Isoquinoline Alkaloids from the Genus. *Journal of the American Chemical Society*, **2019**, 141, 16085-16092	16.4	9
1000	Vanadium-Catalyzed Coupling of Allenols with Electrophilic Halide Sources for the Formation of α-Halo-α',βunsaturated Ketones. *Organic Letters*, **2019**, 21, 1207-1211	6.2	8

999	Development of Chemo- and Enantioselective Palladium-Catalyzed Decarboxylative Asymmetric Allylic Alkylation of □-Nitroesters. *Angewandte Chemie - International Edition*, **2019**, 58, 11820-11825	16.4	9
998	Sulfones as Chemical Chameleons: Versatile Synthetic Equivalents of Small-Molecule Synthons. *Chemistry - A European Journal*, **2019**, 25, 11193-11213	4.8	36
997	Chemo-, Regio-, Diastereo-, and Enantioselective Palladium Allylic Alkylation of 1,3-Dioxaboroles as Synthetic Equivalents of □-Hydroxyketones. *Journal of the American Chemical Society*, **2019**, 141, 9521-9526	16.4	22
996	New Catalytic Asymmetric Formation of Oxygen Heterocycles Bearing Nucleoside Bases at the Anomeric Carbon. *Journal of the American Chemical Society*, **2019**, 141, 10199-10204	16.4	7
995	Palladium-Catalyzed Decarboxylative Asymmetric Allylic Alkylation of Dihydroquinolinones. *Organic Letters*, **2019**, 21, 1784-1788	6.2	11
994	Enantioselective Divergent Synthesis of C19-Oxo Eburnane Alkaloids via Palladium-Catalyzed Asymmetric Allylic Alkylation of an N-Alkyl-□,□unsaturated Lactam. *Journal of the American Chemical Society*, **2019**, 141, 4811-4814	16.4	23
993	Synthesis of Chiral, Densely Substituted Pyrrolidones via Phosphine-Catalyzed Cycloisomerization. *Organic Letters*, **2019**, 21, 1890-1894	6.2	11
992	Catalytic (3+2) Palladium-Aminoallyl Cycloaddition with Conjugated Dienes. *Angewandte Chemie*, **2019**, 131, 6462-6465	3.6	1
991	Catalytic (3+2) Palladium-Aminoallyl Cycloaddition with Conjugated Dienes. *Angewandte Chemie - International Edition*, **2019**, 58, 6396-6399	16.4	11
990	Development of Chemo- and Enantioselective Palladium-Catalyzed Decarboxylative Asymmetric Allylic Alkylation of □-Nitroesters. *Angewandte Chemie*, **2019**, 131, 11946-11951	3.6	3
989	Desymmetrization of Phosphinic Acids via Pd-Catalyzed Asymmetric Allylic Alkylation: Rapid Access to -Chiral Phosphinates. *Journal of the American Chemical Society*, **2019**, 141, 14098-14103	16.4	19
988	Palladium-Catalyzed Asymmetric Allylic Fluoroalkylation/Trifluoromethylation. *Journal of the American Chemical Society*, **2019**, 141, 11446-11451	16.4	23
987	Elaborating Complex Heteroaryl-Containing Cycles via Enantioselective Palladium-Catalyzed Cycloadditions. *Angewandte Chemie*, **2019**, 131, 15298-15302	3.6	3
986	Vanadium-Catalyzed Synthesis of Geometrically Defined Acyclic Tri- and Tetrasubstituted Olefins from Propargyl Alcohols. *ACS Catalysis*, **2019**, 9, 1584-1594	13.1	20
985	Redox Economic Synthesis of TrisubstitutedPiperidones via Ruthenium Catalyzed Atom-Economic Couplings of N-Protected 1,5-Aminoalcohols and Michael Acceptors. *Advanced Synthesis and Catalysis*, **2019**, 361, 5648-5653	5.6	2
984	Elaborating Complex Heteroaryl-Containing Cycles via Enantioselective Palladium-Catalyzed Cycloadditions. *Angewandte Chemie - International Edition*, **2019**, 58, 15154-15158	16.4	19
983	Asymmetric Electrophilic Amination and Hydrazination of Acyclic □-Branched Ketones for the Formation of □-Tertiary Amines and Hydrazines. *ACS Catalysis*, **2019**, 9, 11082-11087	13.1	11
982	Frontispiece: Sulfones as Chemical Chameleons: Versatile Synthetic Equivalents of Small-Molecule Synthons. *Chemistry - A European Journal*, **2019**, 25,	4.8	53

981	Tuning the Reactivity of Ketones through Unsaturation: Construction of Cyclic and Acyclic Quaternary Stereocenters via Zn-ProPhenol Catalyzed Mannich Reactions. *ACS Catalysis*, **2019**, 9, 1549-1557	13.1	26
980	Direct Enantio- and Diastereoselective Vinylogous Addition of Butenolides to Chromones Catalyzed by Zn-ProPhenol. *Journal of the American Chemical Society*, **2019**, 141, 1489-1493	16.4	50
979	Palladium-Catalyzed Asymmetric Allylic Alkylation Strategies for the Synthesis of Acyclic Tetrasubstituted Stereocenters. *Synthesis*, **2019**, 51, 1-30	2.9	55
978	Direct catalytic enantioselective amination of ketones for the formation of tri- and tetrasubstituted stereocenters. *Chemical Science*, **2018**, 9, 2975-2980	9.4	27
977	Sulfones as Synthetic Linchpins: Transition-Metal-Free sp -sp and sp -sp Cross-Couplings Between Geminal Bis(sulfones) and Organolithium Compounds. *Chemistry - A European Journal*, **2018**, 24, 9066-9074	4.8	6
976	Enantioselective Palladium-Catalyzed [3+2] Cycloaddition of Trimethylenemethane and Fluorinated Ketones. *Angewandte Chemie - International Edition*, **2018**, 57, 12333-12337	16.4	38
975	Enantio- and Diastereoselective Synthesis of Chiral Allenes by Palladium-Catalyzed Asymmetric [3+2] Cycloaddition Reactions. *Angewandte Chemie - International Edition*, **2018**, 57, 12916-12920	16.4	40
974	Palladium-Catalyzed Asymmetric Allylic Alkylation of 3-Substituted 1 H-Indoles and Tryptophan Derivatives with Vinylcyclopropanes. *Journal of the American Chemical Society*, **2018**, 140, 6710-6717	16.4	79
973	A Deprotonation Approach to the Unprecedented Amino-Trimethylenemethane Chemistry: Regio-, Diastereo-, and Enantioselective Synthesis of Complex Amino Cycles. *Angewandte Chemie - International Edition*, **2018**, 57, 11025-11029	16.4	29
972	Organic Synthesis. Use of Alkynes as a Key to Innovation in Designing Structure for Function. *Israel Journal of Chemistry*, **2018**, 58, 18-27	3.4	9
971	Enantioselective Synthesis of des-Epoxy-Amphidinolide N. *Journal of the American Chemical Society*, **2018**, 140, 17316-17326	16.4	12
970	Highly Chemoselective Deprotection of the 2,2,2-Trichloroethoxycarbonyl (Troc) Protecting Group. *Organic Letters*, **2018**, 20, 8043-8046	6.2	3
969	Catalytic palladium-oxyallyl cycloaddition. *Science*, **2018**, 362, 564-568	33.3	27
968	Enantioselective Palladium-Catalyzed [3+2] Cycloaddition of Trimethylenemethane and Fluorinated Ketones. *Angewandte Chemie*, **2018**, 130, 12513-12517	3.6	16
967	A Deprotonation Approach to the Unprecedented Amino-Trimethylenemethane Chemistry: Regio-, Diastereo-, and Enantioselective Synthesis of Complex Amino Cycles. *Angewandte Chemie*, **2018**, 130, 11191-11195	3.6	11
966	Enantio- and Diastereoselective Synthesis of Chiral Allenes by Palladium-Catalyzed Asymmetric [3+2] Cycloaddition Reactions. *Angewandte Chemie*, **2018**, 130, 13098-13102	3.6	12
965	Propene as an Atom-Economical Linchpin for Concise Total Synthesis of Polyenes: Piericidin A. *Journal of the American Chemical Society*, **2018**, 140, 11623-11626	16.4	21
964	Direct Catalytic Asymmetric Vinylogous Additions of □,□and □□Butenolides to Polyfluorinated Alkynyl Ketimines. *Angewandte Chemie - International Edition*, **2018**, 57, 11408-11412	16.4	48

963	Synthesis of the Aminocyclitol Core of Jogyamycin via an Enantioselective Pd-Catalyzed Trimethylenemethane (TMM) Cycloaddition. *Organic Letters*, **2018**, 20, 3938-3942	6.2	20
962	Branched aldehydes as linchpins for the enantioselective and stereodivergent synthesis of 1,3-aminoalcohols featuring a quaternary stereocentre. *Nature Catalysis*, **2018**, 1, 523-530	36.5	32
961	Direct Catalytic Asymmetric Vinylogous Additions of □,□and □□-Butenolides to Polyfluorinated Alkynyl Ketimines. *Angewandte Chemie*, **2018**, 130, 11578-11582	3.6	11
960	Efficient Access to Chiral Trisubstituted Aziridines via Catalytic Enantioselective Aza-Darzens Reactions. *Angewandte Chemie - International Edition*, **2017**, 56, 2440-2444	16.4	41
959	Development of the Regiodivergent Asymmetric Prenylation of 3-Substituted Oxindoles. *Chemistry - A European Journal*, **2017**, 23, 4405-4414	4.8	21
958	Efficient Access to Chiral Trisubstituted Aziridines via Catalytic Enantioselective Aza-Darzens Reactions. *Angewandte Chemie*, **2017**, 129, 2480-2484	3.6	15
957	Isomerization of N-Allyl Amides To Form Geometrically Defined Di-, Tri-, and Tetrasubstituted Enamides. *Journal of the American Chemical Society*, **2017**, 139, 5133-5139	16.4	61
956	Stereoselective Synthesis of Exocyclic Tetrasubstituted Vinyl Halides via Ru-Catalyzed Halotropic Cycloisomerization of 1,6-Haloenynes. *Organic Letters*, **2017**, 19, 2346-2349	6.2	9
955	Carbon-Nitrogen Bond Formation via the Vanadium Oxo Catalyzed Sigmatropic Functionalization of Allenols. *Organic Letters*, **2017**, 19, 2630-2633	6.2	16
954	Indenylmetallkatalyse in der organischen Synthese. *Angewandte Chemie*, **2017**, 129, 2906-2924	3.6	9
953	Controlling Regioselectivity in the Enantioselective N-Alkylation of Indole Analogues Catalyzed by Dinuclear Zinc-ProPhenol. *Angewandte Chemie*, **2017**, 129, 10587-10592	3.6	5
952	Pd-catalyzed asymmetric allylic alkylations C-H activation of -allyl imines with glycinates. *Chemical Science*, **2017**, 8, 6815-6821	9.4	13
951	Zn-ProPhenol Catalyzed Enantio- and Diastereoselective Direct Vinylogous Mannich Reactions between □,□and □□-Butenolides and Aldimines. *Journal of the American Chemical Society*, **2017**, 139, 18198-18201	16.4	38
950	Controlling Regioselectivity in the Enantioselective N-Alkylation of Indole Analogues Catalyzed by Dinuclear Zinc-ProPhenol. *Angewandte Chemie - International Edition*, **2017**, 56, 10451-10456	16.4	33
949	Indenylmetal Catalysis in Organic Synthesis. *Angewandte Chemie - International Edition*, **2017**, 56, 2862-2879	16.4	50
948	Ru-catalyzed sequence for the synthesis of cyclic amido-ethers. *Chemical Science*, **2017**, 8, 770-774	9.4	8
947	Total Synthesis of (-)-Lasonolide A. *Journal of the American Chemical Society*, **2016**, 138, 11690-701	16.4	30
946	Synthesis of a 1,3-Bridged Macrobicyclic Enyne via Chemoselective Cycloisomerization Using Palladium-Catalyzed Alkyne-Alkyne Coupling. *Journal of Organic Chemistry*, **2016**, 81, 10023-10028	4.2	11

945	Catalytic Asymmetric Mannich Reactions with Fluorinated Aromatic Ketones: Efficient Access to Chiral □Fluoroamines. *Angewandte Chemie*, **2016**, 128, 791-794	3.6	32
944	Development of a Coordinatively Unsaturated Chiral Indenylruthenium Catalyst. *Organic Letters*, **2016**, 18, 3166-9	6.2	6
943	Asymmetric synthesis of chiral □alkynyl carbonyl and sulfonyl derivatives sequential palladium and copper catalysis. *Chemical Science*, **2016**, 7, 6217-6231	9.4	11
942	A Ruthenium/Phosphoramidite-Catalyzed Asymmetric Interrupted Metallo-ene Reaction. *Journal of the American Chemical Society*, **2016**, 138, 2981-4	16.4	13
941	Transition metal-catalyzed couplings of alkynes to 1,3-enynes: modern methods and synthetic applications. *Chemical Society Reviews*, **2016**, 45, 2212-38	58.5	163
940	Direct Catalytic Asymmetric Mannich Reactions for the Construction of Quaternary Carbon Stereocenters. *Journal of the American Chemical Society*, **2016**, 138, 3659-62	16.4	55
939	Chiral cyclopentadienylruthenium sulfoxide catalysts for asymmetric redox bicycloisomerization. *Beilstein Journal of Organic Chemistry*, **2016**, 12, 1136-52	2.5	9
938	Ruthenium-Catalyzed Multicomponent Reactions: Access to □-Silyl-□Hydroxy Vinylsilanes, Stereodefined 1,3-Dienes, and Cyclohexenes. *Chemistry - A European Journal*, **2016**, 22, 2634-8	4.8	5
937	Catalytic Asymmetric Mannich Reactions with Fluorinated Aromatic Ketones: Efficient Access to Chiral □Fluoroamines. *Angewandte Chemie - International Edition*, **2016**, 55, 781-4	16.4	59
936	Synthetic Strategies Employed for the Construction of Fostriecin and Related Natural Products. *Chemical Reviews*, **2016**, 116, 15035-15088	68.1	30
935	Re-Orienting Coupling of Organocuprates with Propargyl Electrophiles from S2' to S2 with Stereocontrol. *Chemical Science*, **2016**, 7, 4985-4989	9.4	13
934	Metal Catalyzed Allylic Alkylation: Its Development in the Trost Laboratories. *Tetrahedron*, **2015**, 71, 5708-5733	2.4	132
933	Development of Non-C2-symmetric ProPhenol Ligands. The Asymmetric Vinylation of N-Boc Imines. *Organic Letters*, **2015**, 17, 3778-81	6.2	33
932	Redox cycloisomerization approach to 1,2-dihydropyridines. *Organic Letters*, **2015**, 17, 1433-6	6.2	37
931	Palladium-Catalyzed C?H Activation of N-Allyl Imines: Regioselective Allylic Alkylations to Deliver Substituted Aza-1,3-Dienes. *Angewandte Chemie*, **2015**, 127, 6130-6134	3.6	3
930	Palladium-catalyzed C-H activation of N-allyl imines: regioselective allylic alkylations to deliver substituted aza-1,3-dienes. *Angewandte Chemie - International Edition*, **2015**, 54, 6032-6	16.4	21
929	Development of chiral sulfoxide ligands for asymmetric catalysis. *Angewandte Chemie - International Edition*, **2015**, 54, 5026-43	16.4	182
928	Palladium-Catalyzed Trimethylenemethane Cycloaddition of Olefins Activated by the □Electron-Withdrawing Trifluoromethyl Group. *Journal of the American Chemical Society*, **2015**, 137, 11606-9	16.4	53

927	A Highly Convergent Total Synthesis of Leustroducsin B. *Journal of the American Chemical Society*, **2015**, 137, 11594-7	16.4	25
926	Broad Spectrum Enolate Equivalent for Catalytic Chemo-, Diastereo-, and Enantioselective Addition to N-Boc Imines. *Journal of the American Chemical Society*, **2015**, 137, 15940-6	16.4	37
925	Contemporaneous Dual Catalysis: Aldol Products from Non-Carbonyl Substrates. *Chemistry - A European Journal*, **2015**, 21, 15108-12	4.8	10
924	Recent Advances on the Total Syntheses of Communesin Alkaloids and Perophoramidine. *Chemistry - A European Journal*, **2015**, 21, 16318-43	4.8	63
923	Chirale Sulfoxidliganden f□ die asymmetrische Katalyse. *Angewandte Chemie*, **2015**, 127, 5112-5130	3.6	30
922	Stereocontrolled Synthesis of Vinyl Boronates and Vinyl Silanes via Atom-Economical Ruthenium-Catalyzed Alkene-Alkyne Coupling. *Angewandte Chemie - International Edition*, **2015**, 54, 15863-6	16.4	18
921	Stereocontrolled Synthesis of Vinyl Boronates and Vinyl Silanes via Atom-Economical Ruthenium-Catalyzed Alkene□Alkyne Coupling. *Angewandte Chemie*, **2015**, 127, 16089-16092	3.6	3
920	Ruthenium-catalyzed alkene-alkyne coupling of disubstituted olefins: application to the stereoselective synthesis of trisubstituted enecarbamates. *Journal of the American Chemical Society* , **2015**, 137, 620-3	16.4	34
919	A new class of non-C2-symmetric ligands for oxidative and redox-neutral palladium-catalyzed asymmetric allylic alkylations of 1,3-diketones. *Journal of the American Chemical Society*, **2015**, 137, 2776-84	16.4	75
918	ProPhenol-catalyzed asymmetric additions by spontaneously assembled dinuclear main group metal complexes. *Accounts of Chemical Research*, **2015**, 48, 688-701	24.3	132
917	Development of ProPhenol ligands for the diastereo- and enantioselective synthesis of □-hydroxy-□-amino esters. *Journal of the American Chemical Society*, **2014**, 136, 3016-9	16.4	45
916	Structure and reactivity of late transition metal □-benzyl complexes. *Angewandte Chemie - International Edition*, **2014**, 53, 2826-51	16.4	104
915	Asymmetric stereodivergent strategy towards aminocyclitols. *Chemistry - A European Journal*, **2014**, 20, 8288-92	4.8	9
914	Palladium-catalyzed dearomative trimethylenemethane cycloaddition reactions. *Journal of the American Chemical Society*, **2014**, 136, 8213-6	16.4	117
913	An approach for rapid increase in molecular complexity: atom economic routes to fused polycyclic ring systems. *Organic Letters*, **2014**, 16, 2708-11	6.2	21
912	Asymmetric synthesis of chiral cycloalkenone derivatives palladium catalysis. *Chemical Science*, **2014**, 5, 1354-1360	9.4	10
911	A concise synthesis of (-)-lasonolide A. *Journal of the American Chemical Society*, **2014**, 136, 88-91	16.4	37
910	Carbophilic Cycloisomerization Reactions of Enynesand Domino Processes **2014**, 27-68		6

909	Alkyne-Azide Reactions **2014**, 113-142		2
908	Catalytic Conjugate Additions of Alkynes **2014**, 171-200		
907	Catalytic Nucleophilic Addition of Alkynes to Imines: The A3 (Aldehyde–Alkyne–Amine) Coupling **2014**, 239-268		6
906	Catalytic Dimerization of Alkynes **2014**, 299-334		3
905	The Alkyne Zipper Reaction in Asymmetric Synthesis **2014**, 365-394		3
904	Redox Isomerization of Propargyl Alcohols to Enones **2014**, 9-26		1
903	Alkyne Metathesis in Organic Synthesis **2014**, 69-112		1
902	Catalytic Cycloaddition Reactions **2014**, 143-170		2
901	Catalytic Enantioselective Addition of Terminal Alkynes to Carbonyls **2014**, 201-238		1
900	The Oxidative Dimerization of Acetylenes and Related Reactions: Synthesis and Applications of Conjugated 1,3-Diynes **2014**, 335-364		
899	The Sonogashira Reaction **2014**, 269-298		
898	Struktur und Reaktivität später Übergangsmetall- π-Benzylkomplexe. *Angewandte Chemie*, **2014**, 126, 2868-2895	3.6	35
897	Construction of enantioenriched [3.1.0] bicycles via a ruthenium-catalyzed asymmetric redox bicycloisomerization reaction. *Journal of the American Chemical Society*, **2014**, 136, 17422-5	16.4	65
896	X-ray Crystallographic Structure of 3-(Propan-2-ylidene) benzofuran-2(3H)-one. *Journal of Pharmaceutical Chemistry*, **2014**, 1, 43	0	
895	Dinuclear zinc-ProPhenol-catalyzed enantioselective α-hydroxyacetate aldol reaction with activated ester equivalents. *Organic Letters*, **2013**, 15, 4516-9	6.2	32
894	Total synthesis of (-)-18-epi-peloruside A: an alkyne linchpin strategy. *Organic Letters*, **2013**, 15, 5274-7	6.2	18
893	Highly substituted enantioenriched cyclopentane derivatives by palladium-catalyzed [3 + 2] trimethylenemethane cycloadditions with disubstituted nitroalkenes. *Organic Letters*, **2013**, 15, 5630-3	6.2	21
892	Rapid access to spirocyclic oxindole alkaloids: application of the asymmetric palladium-catalyzed [3 + 2] trimethylenemethane cycloaddition. *Journal of the American Chemical Society*, **2013**, 135, 16720-35	16.4	95

891	A chiral sulfoxide-ligated ruthenium complex for asymmetric catalysis: enantio- and regioselective allylic substitution. *Journal of the American Chemical Society*, **2013**, 135, 18697-704	16.4	55
890	Palladium-catalyzed asymmetric benzylation of azlactones. *Chemistry - A European Journal*, **2013**, 19, 15210-8	4.8	36
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