

# Metal–Ligand Cooperation by Aromatization–Dearomatization and “Green” Catalysis

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Asymmetric hydrogenation via architectural and functional molecular engineering. <i>Pure and Applied Chemistry</i> , 2001, 73, 227-232.	0.9	104
2	Electron-Rich PNP- and PNN-Type Ruthenium(II) Hydrido Borohydride Pincer Complexes. Synthesis, Structure, and Catalytic Dehydrogenation of Alcohols and Hydrogenation of Esters. <i>Organometallics</i> , 2011, 30, 5716-5724.	1.1	206
3	Computational Study on the Catalytic Role of Pincer Ruthenium(II)-PNN Complex in Directly Synthesizing Amide from Alcohol and Amine: The Origin of Selectivity of Amide over Ester and Imine. <i>Organometallics</i> , 2011, 30, 5233-5247.	1.1	149
4	The Catalytic Amination of Alcohols. <i>ChemCatChem</i> , 2011, 3, 1853-1864.	1.8	648
7	Synthesis of Peptides and Pyrazines from $\alpha$ -Amino Alcohols through Extrusion of $H_2$ Catalyzed by Ruthenium Pincer Complexes: Ligand-Controlled Selectivity. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12240-12244.	7.2	138
8	Unprecedented Catalytic Hydrogenation of Urea Derivatives to Amines and Methanol. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11702-11705.	7.2	172
10	Acceptorless Dehydrogenative Coupling of Ethanol and Hydrogenation of Esters and Imines. <i>Organometallics</i> , 2012, 31, 5239-5242.	1.1	184
11	Nickel(II) Complexes Containing a Pyrrole-Diphosphine Pincer Ligand. <i>Inorganic Chemistry</i> , 2012, 51, 12789-12795.	1.9	46
12	Pyrrole-Based New Diphosphines: Pd and Ni Complexes Bearing the PNP Pincer Ligand. <i>Inorganic Chemistry</i> , 2012, 51, 12527-12539.	1.9	60
15	Side-On Coordinated Distannene: An Unprecedented Nickel(0) Complex. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12869-12873.	7.2	34
16	Catalytic Hydrogenation of Cyclic Carbonates: A Practical Approach from $CO_2$ and Epoxides to Methanol and Diols. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 13041-13045.	7.2	317
17	Anionic 1,2,3-Triazole-4,5-diylidene: A 1,2-Dihapto Ligand for the Construction of Bimetallic Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 14627-14631.	1.7	30
18	Which Density Functional Is the Best in Computing C-H Activation Energies by Pincer Complexes of Late Platinum Group Metals?. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 2991-2996.	2.3	40
19	Change in Coordination of NCN Pincer Iron Complexes Containing Bis(oxazolanyl)phenyl Ligands. <i>Organometallics</i> , 2012, 31, 8283-8290.	1.1	11
20	Ruthenium Catalyzed Hydroboration of Terminal Alkynes to $\alpha$ -Vinylboronates. <i>Journal of the American Chemical Society</i> , 2012, 134, 14349-14352.	6.6	214
21	Yttrium (amidate) complexes for catalytic C-N bond formation. Rapid, room temperature amidation of aldehydes. <i>Dalton Transactions</i> , 2012, 41, 7897.	1.6	32
22	Spin-Orbit Coupling and Outer-Core Correlation Effects in Ir- and Pt-Catalyzed C-H Activation. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1641-1645.	2.3	21
23	Catalytic metal-free intramolecular hydroaminations of non-activated aminoalkenes: A computational exploration. <i>Dalton Transactions</i> , 2012, 41, 9091.	1.6	23

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24	Complexes of Iron(II) and Iron(III) Containing Aryl-Substituted N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2012, 31, 3264-3271.	1.1	59
25	PNS-Type Ruthenium Pincer Complexes. <i>Organometallics</i> , 2012, 31, 6207-6214.	1.1	45
26	Enhanced Reactivities toward Amines by Introducing an Imine Arm to the Pincer Ligand: Direct Coupling of Two Amines To Form an Imine Without Oxidant. <i>Organometallics</i> , 2012, 31, 5208-5211.	1.1	123
27	A Highly Active Ruthenium(II) Pyrazolylâ€“Pyridylâ€“Pyrazole Complex Catalyst for Transfer Hydrogenation of Ketones. <i>Organometallics</i> , 2012, 31, 5664-5667.	1.1	61
28	Palladium-Catalyzed One-Pot Diarylamine Formation from Nitroarenes and Cyclohexanones. <i>Organic Letters</i> , 2012, 14, 1692-1695.	2.4	114
29	Ruthenium Pincerâ€“Catalyzed Crossâ€“Dehydrogenative Coupling of Primary Alcohols with Secondary Alcohols under Neutral Conditions. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2403-2406.	2.1	109
31	Redoxâ€“Active Ligands in Catalysis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10228-10234.	7.2	307
32	Mechanistic Studies on the Gasâ€“Phase Dehydrogenation of Alkanes at Cyclometalated Platinum Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 14055-14062.	1.7	11
33	A Versatile Ruthenium(II)â€“NNC Complex Catalyst for Transfer Hydrogenation of Ketones and Oppenauerâ€“Type Oxidation of Alcohols. <i>Chemistry - A European Journal</i> , 2012, 18, 11550-11554.	1.7	65
34	Computational Insight into the Mechanism of Selective Imine Formation from Alcohol and Amine Catalyzed by the Ruthenium(II)â€“PNP Pincer Complex. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5011-5020.	1.0	79
35	Catalytic coupling of nitriles with amines to selectively form imines under mild hydrogen pressure. <i>Chemical Communications</i> , 2012, 48, 11853.	2.2	115
36	Direct Arylation/Alkylation/Magnesiation of Benzyl Alcohols in the Presence of Grignard Reagents via Ni-, Fe-, or Co-Catalyzed $sp^3$ Câ€“O Bond Activation. <i>Journal of the American Chemical Society</i> , 2012, 134, 14638-14641.	6.6	128
37	Hydrogen atom storage upon Z-class borane ligand functions: an alternative approach to ligand cooperation. <i>Chemical Society Reviews</i> , 2012, 41, 3535.	18.7	136
38	Catalytic Intramolecular Hydroamination with a Bifunctional Iridium Pyrazolato Complex: Substrate Scope and Mechanistic Elucidation. <i>Organometallics</i> , 2012, 31, 8444-8455.	1.1	56
39	Efficient hydrogenation of biomass-derived cyclic di-esters to 1,2-diols. <i>Chemical Communications</i> , 2012, 48, 1111-1113.	2.2	118
40	Cyclopentadienyl chromium diimine and pyridine-imine complexes: ligand-based radicals and metal-based redox chemistry. <i>Dalton Transactions</i> , 2012, 41, 7920.	1.6	13
41	Highly efficient hydrogenation of biomass-derived levulinic acid to Î³-valerolactone catalyzed by iridium pincer complexes. <i>Green Chemistry</i> , 2012, 14, 2388.	4.6	161
42	â€“Hemilabileâ€™ silyl pincer ligation: platinum group PSiN complexes and triple Câ€“H activation to form a (PSiC)Ru carbene complex. <i>Chemical Communications</i> , 2012, 48, 1159-1161.	2.2	43

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43	Phenyl substituted indenylphosphine ruthenium complexes as catalysts for dehydrogenation of alcohols. <i>Dalton Transactions</i> , 2012, 41, 10309.	1.6	17
44	Coordination Versatility of $sp^3$ -Hybridized Pincer Ligands toward Ligand-Metal Cooperative Catalysis. <i>ACS Catalysis</i> , 2012, 2, 2456-2466.	5.5	122
45	Palladium-Assisted Room-Temperature Nucleophilic Substitution of an Unactivated Aryl Fluoride. <i>Organometallics</i> , 2012, 31, 1275-1277.	1.1	10
46	Symmetry Aspects of $H_2$ Splitting by Five-Coordinate $d^6$ Ruthenium Amides, and Calculations on Acetophenone Hydrogenation, Ruthenium Alkoxide Formation, and Subsequent Hydrogenolysis in a Model <i>trans</i> - $Ru(H)_2$ (diamine)(diphosphine) System. <i>Inorganic Chemistry</i> , 2012, 51, 10808-10818.	1.9	47
47	Aldehyde Binding through Reversible C-C Coupling with the Pincer Ligand upon Alcohol Dehydrogenation by a PNP-Ruthenium Catalyst. <i>Journal of the American Chemical Society</i> , 2012, 134, 10325-10328.	6.6	132
48	Peroxide-Mediated Transition-Metal-Free Direct Amidation of Alcohols with Nitroarenes. <i>Organic Letters</i> , 2012, 14, 984-987.	2.4	69
49	Direct coupling of alcohols to form esters and amides with evolution of $H_2$ using in situ formed ruthenium catalysts. <i>Catalysis Science and Technology</i> , 2012, 2, 2039.	2.1	50
50	Synthesis and Characterization of $N$ -[2-( <i>i</i> -Pr) $_2$ -4-methylphenyl] $_2$ (PNP) Pincer Tin(IV) and Tin(II) Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 5787-5794.	1.9	22
51	$N-H$ Activation by Rh(I) via Metal-Ligand Cooperation. <i>Organometallics</i> , 2012, 31, 4083-4101.	1.1	83
52	A $N$ -aryloxy- $\lambda^2$ -diketiminate ligand in 4d, 4f and 5f-metals complexes. <i>Dalton Transactions</i> , 2012, 41, 11980.	1.6	28
53	Synthesis of polyamides from diols and diamines with liberation of $H_2$ . <i>Journal of Polymer Science Part A</i> , 2012, 50, 1755-1765.	2.5	64
54	Computational Mechanistic Study of the Hydrogenation of Carbonate to Methanol Catalyzed by the $Ru^{II}$ -PNN Complex. <i>Inorganic Chemistry</i> , 2012, 51, 5716-5727.	1.9	77
55	Catalytic Reductive Transformations of Carboxylic and Carbonic Acid Derivatives Using Molecular Hydrogen. <i>ACS Catalysis</i> , 2012, 2, 1718-1741.	5.5	315
56	Mononuclear, helical binuclear palladium and lithium complexes bearing a new pyrrole-based NNN-pincer ligand: fluxional property. <i>Dalton Transactions</i> , 2012, 41, 9503.	1.6	38
57	$N-H$ bond activation by palladium(ii) and copper(i) complexes featuring a reactive bidentate PN-ligand. <i>Dalton Transactions</i> , 2012, 41, 11276.	1.6	53
58	Synthesis, Structure and Transmetalation Activity of Various C,Y-Chelated Organogold(I) Compounds. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2578-02587.	1.0	10
59	Molybdenum-catalyzed reduction of molecular dinitrogen under mild reaction conditions. <i>Dalton Transactions</i> , 2012, 41, 7447.	1.6	62
62	From Esters to Alcohols and Back with Ruthenium and Osmium Catalysts. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2772-2775.	7.2	264

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63	Synthesis and Unexpected Coordination of a Silicon(II)-Based SiCSi Pincerlike Arene to Palladium. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3691-3694.	7.2	113
64	Synthesis, Structures, and Reactivities of Pincer-Type Ruthenium Complexes Bearing Two Proton-Responsive Pyrazole Arms. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1417-1425.	1.7	64
65	Learning from the Neighbors: Improving Homogeneous Catalysts with Functional Ligands Motivated by Heterogeneous and Biocatalysis. <i>ChemCatChem</i> , 2012, 4, 307-320.	1.8	93
66	A New Mode of Activation of CO <sub>2</sub> by Metal-Ligand Cooperation with Reversible C≡C and M-η <sup>2</sup> O Bond Formation at Ambient Temperature. <i>Chemistry - A European Journal</i> , 2012, 18, 9194-9197.	1.7	125
67	Spectroscopic and DFT Study of Ferraziridine Complexes Formed in the Transfer Hydrogenation of Acetophenone Catalyzed Using <i>trans</i> -[Fe(CO)(NCMe)(PPh <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH=NCH <sub>2</sub> ) <sub>2</sub> ]. <i>Organometallics</i> , 2012, 31, 3056-3064.	1.1	46
68	Ruthenium(II) pincer complexes with oxazoline arms for efficient transfer hydrogenation reactions. <i>Tetrahedron Letters</i> , 2012, 53, 4409-4412.	0.7	44
69	Cooperative Catalysis with First-Row Late Transition Metals. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 363-375.	1.0	418
70	Cooperative Aliphatic PNP Amido Pincer Ligands - Versatile Building Blocks for Coordination Chemistry and Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 412-429.	1.0	257
71	Synthesis of High Molecular Weight Polyesters via In Vacuo Dehydrogenation Polymerization of Diols. <i>Macromolecular Rapid Communications</i> , 2012, 33, 232-236.	2.0	41
72	Selective Acceptorless Conversion of Primary Alcohols to Acetals and Dihydrogen Catalyzed by the Ruthenium(II) Complex Ru(PPh <sub>3</sub> ) <sub>2</sub> (NCCH <sub>3</sub> ) <sub>2</sub> (SO <sub>4</sub> ). <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 497-504.	2.1	48
73	Preparation and reactivity of molybdenum-dinitrogen complexes bearing an arsenic-containing ANA-type pincer ligand. <i>Chemical Communications</i> , 2013, 49, 9290.	2.2	38
74	Copper-Catalyzed Dehydrogenative Coupling of Arenes with Alcohols. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9279-9283.	7.2	87
75	Multidentate actor ligands as versatile platforms for small molecule activation and catalysis. <i>RSC Advances</i> , 2013, 3, 11432.	1.7	125
76	Hydrogenation of imines catalysed by ruthenium complexes based on lutidine-derived CNC pincer ligands. <i>Dalton Transactions</i> , 2013, 42, 351-354.	1.6	66
77	Facile N-H Bond Cleavage of Ammonia by an Iridium Complex Bearing a Noninnocent PNP-Pincer Type Phosphaalkene Ligand. <i>Journal of the American Chemical Society</i> , 2013, 135, 11791-11794.	6.6	94
78	Synthesis, Characterization, and Catalytic Activity of Nickel(II) Alkyl Complexes Supported by Pyrrole-Diphosphine Ligands. <i>Organometallics</i> , 2013, 32, 4656-4663.	1.1	71
79	Reductive Elimination at an Ortho-Metalated Iridium(III) Hydride Bearing a Tripodal Tetraphosphorus Ligand. <i>Organometallics</i> , 2013, 32, 4284-4291.	1.1	20
80	Synthesis, Structures, and Dearomatization by Deprotonation of Iron Complexes Featuring Bipyridine-based PNN Pincer Ligands. <i>Inorganic Chemistry</i> , 2013, 52, 9636-9649.	1.9	53

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81	Synthesis and Small Molecule Reactivity of <i>trans</i> -Dihydride Isomers of Ru(NHC) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> H <sub>2</sub> (NHC = N-Heterocyclic Carbene). <i>Organometallics</i> , 2013, 32, 4927-4937.	1.1	22
82	Synthesis, structural characterisation and catalytic application of dichloro(1- <i>tert</i> -butyl-2-oxoethylidene)iron(II) ketones. <i>Transition Metal Chemistry</i> , 2013, 38, 641-648.	10.7	5078
83	Activation of Water, Ammonia, and Other Small Molecules by PCarbene-P Nickel Pincer Complexes. <i>Journal of the American Chemical Society</i> , 2013, 135, 11776-11779.	6.6	216
84	Formation of Tertiary Amides and Dihydrogen by Dehydrogenative Coupling of Primary Alcohols with Secondary Amines Catalyzed by Ruthenium Bipyridine-Based Pincer Complexes. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2525-2530.	2.1	81
85	Rhenium-Catalyzed Acceptorless Dehydrogenative Coupling via Dual Activation of Alcohols and Carbonyl Compounds. <i>ACS Catalysis</i> , 2013, 3, 2195-2198.	5.5	37
86	Theoretical Studies on the Reaction Mechanism of Metal-Assisted CH Activation. , 2013, , 695-726.		8
88	Heterolytic Cleavage of Dihydrogen by an Iron(II) PNP Pincer Complex via Metal-Ligand Cooperation. <i>Organometallics</i> , 2013, 32, 4114-4121.	1.1	75
89	N-Triisopropylphenyl-substituted N,Npy,O pincers as supports for mononuclear palladium(II) complexes and hydrogen-bonded dimeric assemblies. <i>Polyhedron</i> , 2013, 59, 124-132.	1.0	6
90	Iron Pincer Complex Catalyzed, Environmentally Benign, <i>exo</i> -selective Semi-hydrogenation of Alkynes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14131-14134.	7.2	215
91	Bifunctional (Cyclopentadienone)Iron-Tricarbonyl Complexes: Synthesis, Computational Studies and Application in Reductive Amination. <i>Chemistry - A European Journal</i> , 2013, 19, 17881-17890.	1.7	115
92	Dehydrogenative Cross-coupling of Primary and Secondary Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3077-3080.	2.1	90
93	Tuning the Reactivity of an Actor Ligand for Tandem CO <sub>2</sub> and C-H Activations: From Spectator Metals to Metal-Free. <i>Journal of the American Chemical Society</i> , 2013, 135, 16175-16183.	6.6	30
94	Investigation of the Electronic Structure of Mono(1,1'-Diamidoferrrocene) Uranium(IV) Complexes. <i>Organometallics</i> , 2013, 32, 6012-6021.	1.1	27
95	Activation of Nitriles by Metal Ligand Cooperation. Reversible Formation of Ketimido- and Enamido-Rhenium PNP Pincer Complexes and Relevance to Catalytic Design. <i>Journal of the American Chemical Society</i> , 2013, 135, 17004-17018.	6.6	110
96	Metal-Ligand Cooperation in the Cycloisomerization of Alkynoic Acids with Indenediide Palladium Pincer Complexes. <i>ACS Catalysis</i> , 2013, 3, 2930-2934.	5.5	64
97	The impact of Metal-Ligand Cooperation in Hydrogenation of Carbon Dioxide Catalyzed by Ruthenium PNP Pincer. <i>ACS Catalysis</i> , 2013, 3, 2522-2526.	5.5	136
98	Comparison of the Catalytic Activity of [(1 <sup>+</sup> -C <sub>5</sub> H <sub>5</sub> )Ru(2,2'-bipyridine)(L)]OTf versus [(1 <sup>+</sup> -C <sub>5</sub> H <sub>5</sub> )Ru(6,6'-diamino-2,2'-bipyridine)(L)]OTf (L = labile ligand) in the Hydrogenation of Cyclohexanone. Evidence for the Presence of a Metal-Ligand Bifunctional Mechanism under Acidic Conditions. <i>Organometallics</i> , 2013, 32, 6541-6554.	11.1	19
99	Selective Hydrogen Production from Methanol with a Defined Iron Pincer Catalyst under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14162-14166.	7.2	308

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100	Proton-Assisted Hydrogen Activation on Polyhedral Cations. <i>Chemistry - A European Journal</i> , 2013, 19, 3905-3912.	1.7	10
101	Reactivity of iridium(I) PNP amido complexes toward protonation and oxidation. <i>Journal of Organometallic Chemistry</i> , 2013, 744, 35-40.	0.8	17
102	Influence of the Ligand Backbone in Pincer Complexes: Indenediide-, Indolyl-, and Indenyl-Based SCS Palladium Complexes. <i>Organometallics</i> , 2013, 32, 4301-4305.	1.1	23
103	Base Metal Catalysts for Photochemical C-H Borylation That Utilize Metal-Metal Cooperativity. <i>Journal of the American Chemical Society</i> , 2013, 135, 17258-17261.	6.6	235
104	Synthesis of [RuX(CO)(dppp)(NN)]Cl (X = H, Cl; NN = en, ampy) Complexes and Their Use as Catalysts for Transfer Hydrogenation. <i>Organometallics</i> , 2013, 32, 5299-5304.	1.1	17
105	Acetonitrile Coupling at an Electron-Rich Iridium Center Supported by a PCP Pincer Ligand. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3826-3830.	1.0	36
106	Activation of X-H Bonds (X = N, P, O, S) with SCS Pincer Palladium Complexes: A Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4068-4076.	1.0	16
107	Proposing late transition metal complexes as frustrated Lewis pairs - a computational investigation. <i>Dalton Transactions</i> , 2013, 42, 13866.	1.6	3
108	From discrete monomeric complexes to hydrogen-bonded dimeric assemblies based on sterically encumbered square planar palladium(II) ONN-pincers. <i>Dalton Transactions</i> , 2013, 42, 7710.	1.6	12
109	Ligand-Metal Cooperating PC(sp <sup>3</sup> )P Pincer Complexes as Catalysts in Olefin Hydroformylation. <i>Chemistry - A European Journal</i> , 2013, 19, 16906-16909.	1.7	41
110	(POP)Rh pincer hydride complexes: unusual reactivity and selectivity in oxidative addition and olefin insertion reactions. <i>Chemical Science</i> , 2013, 4, 3683.	3.7	52
111	Stepwise hydrogenation of an arylthiophosphinidene isocyanide complex to give tethered aldimine and aminocarbene functions. <i>Dalton Transactions</i> , 2013, 42, 11039.	1.6	7
112	Heterolytic H <sub>2</sub> activation on a carbene-ligated rhodathiaborane promoted by isonido-nido cage opening. <i>Chemical Communications</i> , 2013, 49, 9863.	2.2	11
113	Regioselective Pd-catalyzed hydroamination of substituted dienes. <i>Catalysis Science and Technology</i> , 2013, 3, 1375.	2.1	10
114	The Chemistry of Pincer Complexes of 13-15 Main Group Elements. <i>Topics in Organometallic Chemistry</i> , 2013, , 175-202.	0.7	15
115	Evidence for Metal-Ligand Cooperation in a Pd-PNF Pincer-Catalyzed Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2013, 135, 967-970.	6.6	42
116	Catalytic transformation of alcohols to carboxylic acid salts and H <sub>2</sub> using water as the oxygen atom source. <i>Nature Chemistry</i> , 2013, 5, 122-125.	6.6	293
117	Platinum complexes bearing a boron-based PBP pincer ligand: synthesis, structure, and application as a catalyst for hydrosilylation of 1-decene. <i>Dalton Transactions</i> , 2013, 42, 625-629.	1.6	63

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118	Anionic Nickel(II) Complexes with Doubly Deprotonated PNP Pincer-Type Ligands and Their Reactivity toward CO <sub>2</sub> . <i>Organometallics</i> , 2013, 32, 300-308.	1.1	79
119	Achiral and Chiral PNP-Pincer Ligands with a Carbazole Backbone: Coordination Chemistry with d <sup>8</sup> Transition Metals. <i>Inorganic Chemistry</i> , 2013, 52, 2050-2059.	1.9	36
120	Replacing Phosphorus with Sulfur for the Efficient Hydrogenation of Esters. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2538-2542.	7.2	197
121	A closer look at the formation of bicyclic and cyclometalated ruthenium carbonyl complexes. <i>Inorganica Chimica Acta</i> , 2013, 397, 10-20.	1.2	13
122	Simple and Efficient Catalytic Reaction for the Selective Deuteration of Alcohols. <i>ACS Catalysis</i> , 2013, 3, 448-452.	5.5	57
123	Stepwise Metal-Ligand Cooperation by a Reversible Aromatization/Deconjugation Sequence in Ruthenium Complexes with a Tetradentate Phenanthroline-Based Ligand. <i>Chemistry - A European Journal</i> , 2013, 19, 3407-3414.	1.7	49
124	Synthesis of N-Aryoxy- $\beta$ -diketiminate Ligands and Coordination to Zirconium, Ytterbium, Thorium, and Uranium. <i>Organometallics</i> , 2013, 32, 1328-1340.	1.1	24
125	N-Formylation of Amines by Methanol Activation. <i>Organic Letters</i> , 2013, 15, 1776-1779.	2.4	162
126	6,6'-Dihydroxy terpyridine: a proton-responsive bifunctional ligand and its application in catalytic transfer hydrogenation of ketones. <i>Chemical Communications</i> , 2013, 49, 400-402.	2.2	114
127	Direct Synthesis of Pyrroles by Dehydrogenative Coupling of $\alpha$ -Aminoalcohols with Secondary Alcohols Catalyzed by Ruthenium Pincer Complexes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4012-4015.	7.2	268
128	Low-temperature aqueous-phase methanol dehydrogenation to hydrogen and carbon dioxide. <i>Nature</i> , 2013, 495, 85-89.	13.7	680
129	Developing more sustainable processes for ammonia synthesis. <i>Coordination Chemistry Reviews</i> , 2013, 257, 2551-2564.	9.5	343
130	A Bis(phosphaethenyl)pyridine Complex of Iridium(I): Synthesis and Catalytic Application to N-Alkylation of Amines with Alcohols. <i>Organometallics</i> , 2013, 32, 2210-2215.	1.1	65
131	General and Highly Efficient Iron-Catalyzed Hydrogenation of Aldehydes, Ketones, and $\alpha,\beta$ -Unsaturated Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5120-5124.	7.2	151
132	Metal or Nonmetal Cooperation with a Phenyl Group: Route to Catalysis? A Computational Investigation. <i>ACS Catalysis</i> , 2013, 3, 920-927.	5.5	21
133	Enantioselective Ketone Hydroacylation Using Noyori's Transfer Hydrogenation Catalyst. <i>Journal of the American Chemical Society</i> , 2013, 135, 5553-5556.	6.6	79
134	Coexistence of Lewis Acid and Base Functions: A Generalized View of the Frustrated Lewis Pair Concept with Novel Implications for Reactivity. <i>Topics in Current Chemistry</i> , 2013, 334, 27-57.	4.0	16
135	PC(sp <sup>3</sup> )P Transition Metal Pincer Complexes: Properties and Catalytic Applications. <i>Topics in Organometallic Chemistry</i> , 2013, , 289-317.	0.7	54

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136	Direct Amidation of Aldehydes with Primary Amines under Mild Conditions Catalyzed by Diolefin $\pi$ -Amine $\sigma$ -Rh <sup>I</sup> Complexes. <i>ChemCatChem</i> , 2013, 5, 1079-1083.	1.8	19
137	Direct H/OR and OR/OR $\pi^2$ Metathesis Pathways in Ester Hydrogenation and Transesterification by Milstein $\pi$ Ms Catalyzt. <i>Organometallics</i> , 2013, 32, 2493-2496.	1.1	41
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430	Reactivity and Properties of Metal Complexes Enabled by Flexible and Redox-Active Ligands with a Ferrocene Backbone. <i>Inorganic Chemistry</i> , 2016, 55, 10013-10023.	1.9	41
431	Novel pyrazolylphosphite and pyrazolylphosphinite ruthenium( <sup>II</sup> ) complexes as catalysts for hydrogenation of acetophenone. <i>Dalton Transactions</i> , 2016, 45, 13514-13524.	1.6	16
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439	Synthesis of a sterically bulky diphosphine synthon and Ru( $\eta^5$ -Cp*) complexes of a cooperative tridentate enamide-diphosphine ligand platform. <i>Dalton Transactions</i> , 2016, 45, 16011-16025.	1.6	6
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452	Manganese-Catalyzed Hydrogen-Autotransfer C-H Bond Formation: $\alpha$ -Alkylation of Ketones with Primary Alcohols. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14967-14971.	7.2	270
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454	Manganese-Catalyzed Hydrogen-Autotransfer C-H Bond Formation: $\alpha$ -Alkylation of Ketones with Primary Alcohols. <i>Angewandte Chemie</i> , 2016, 128, 15191-15195.	1.6	80

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456	Rechargeable Hydrogen Storage System Based on the Dehydrogenative Coupling of Ethylenediamine with Ethanol. <i>Angewandte Chemie</i> , 2016, 128, 1073-1076.	1.6	24
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469	Improved Catalytic Activity and Stability of a Palladium Pincer Complex by Incorporation into a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016, 138, 1780-1783.	6.6	141
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