Michael K Whittlesey

List of Publications by Year
in descending order

133	6,830	53794 45	69250 77
papers	citations	h-index	g-index

146	146	146	4913
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extreme g-Tensor Anisotropy and Its Insensitivity to Structural Distortions in a Family of Linear Two-Coordinate Ni(I) Bis-N-heterocyclic Carbene Complexes. Inorganic Chemistry, 2022, 61, 1308-1315.	4.0	8
2	Zincâ€Promoted ZnMe/ZnPh Exchange in Eightâ€Coordinate [Ru(PPh ₃) ₂ (ZnMe) ₄ H ₂]. Angewandte Chemie - International Edition, 2022, , .	13.8	5
3	Zincâ€Promoted ZnMe/ZnPh Exchange in Eightâ€Coordinate [Ru(PPh₃)₂(ZnMe)₄H₂]. Angewandte Chemie, 2022, 134, .	2.0	1
4	Synthetic Access to Ring-Expanded N-Heterocyclic Carbene (RE-NHC) Copper Complexes and Their Performance in Click Chemistry. Organometallics, 2021, 40, 1252-1261.	2.3	6
5	[Ni(NHC)₂] as a Scaffold for Structurally Characterized trans [Hâ^Niâ^PR₂] and trans [R₂Pâ^Niâ^PR₂] Complexes. Chemistry - A European Journal, 2021, 27, 13221-13234.	3.3	15
6	Bonding and Reactivity of a Pair of Neutral and Cationic Heterobimetallic RuZn2 Complexes. Inorganic Chemistry, 2021, 60, 16256-16265.	4.0	7
7	(carbene)CuF Complexes Featuring Bulky Arduengo-Type, Ring-Expanded, and Cyclic (Alkyl)(amino)carbenes: Applications in Catalytic Aldehyde Allylation. Organometallics, 2020, 39, 227-233.	2.3	11
8	Impact of the Novel Z-Acceptor Ligand Bis{(ortho-diphenylphosphino)phenyl}zinc (ZnPhos) on the Formation and Reactivity of Low-Coordinate Ru(0) Centers. Inorganic Chemistry, 2020, 59, 15606-15619.	4.0	9
9	The first ring-expanded NHCâ€“copper(<scp>i</scp>) phosphides as catalysts in the highly selective hydrophosphination of isocyanates. Chemical Communications, 2020, 56, 13359-13362.	4.1	27
10	Unexpected Vulnerability of DPEphos to Câ^O Activation in the Presence of Nucleophilic Metal Hydrides. Chemistry - A European Journal, 2020, 26, 11141-11145.	3.3	6
11	Zn-Promoted Câ€“H Reductive Elimination and H₂ Activation via a Dual Unsaturated Heterobimetallic Ruâ€“Zn Intermediate. Journal of the American Chemical Society, 2020, 142, 6340-6349.	13.7	34
12	Transforming PPh₃into bidentate phosphine ligands at Ruâ€“Zn heterobimetallic complexes. Dalton Transactions, 2019, 48, 14000-14009.	3.3	10
13	Reductive Elimination at Carbon under Steric Control. Journal of the American Chemical Society, 2019, 141, 9823-9826.	13.7	41
14	Nâ€Heterocyclic Carbene Nonâ€Innocence in the Catalytic Hydrophosphination of Alkynes. ChemCatChem, 2019, 11, 1893-1897.	3.7	10
15	Heterobimetallic rutheniumâ€“zinc complexes with bulky N-heterocyclic carbenes: syntheses, structures and reactivity. Dalton Transactions, 2019, 48, 4176-4189.	3.3	13
16	[Ru₃(6-NHC)(CO)₁₀]: synthesis, characterisation and reactivity of rare 46-electron tri-ruthenium clusters. Dalton Transactions, 2018, 47, 4518-4523.	3.3	13
17	Wellâ€Defined Heterobimetallic Reactivity at Unsupported Rutheniumâ€“Indium Bonds. Chemistry - A European Journal, 2018, 24, 1732-1738.	3.3	16
18	Mono- and dinuclear Ni(<scp>i</scp>) products formed upon bromide abstraction from the Ni(<scp>i</scp>) ring-expanded NHC complex [Ni(6-Mes)(PPh₃)Br]. Dalton Transactions, 2018, 47, 769-782.	3.3	16

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19	Câ€“F Bond Activation of P(C6F5)3 by Ruthenium Dihydride Complexes: Isolation and Reactivity of the â€œMissingâ€•Ru(PPh3)3H(halide) Complex, Ru(PPh3)3HF. Inorganic Chemistry, 2018, 57, 13749-13760.	4.0	10
20	Copper-NHC-Mediated Semihydrogenation and Hydroboration of Alkynes: Enhanced Catalytic Activity Using Ring-Expanded Carbenes. Organometallics, 2018, 37, 3102-3110.	2.3	58
21	Room Temperature Regioselective Catalytic Hydrodefluorination of Fluoroarenes with transâ€[Ru(NHC)₄H₂] through a Concerted Nucleophilic Ruâ^'H Attack Pathway. Angewandte Chemie - International Edition, 2017, 56, 1515-1519.	13.8	28
22	Computation provides chemical insight into the diverse hydride NMR chemical shifts of [Ru(NHC)₄(L)H]^{0/+}species (NHC = N-heterocyclic carbene; L = vacant,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 [Ru(R₂PCH₂CH₂PR₂)₂(L)H]⁺congeners. Dalton Transactions, 2017, 46, 2861-2873.	3.3	22
23	Room Temperature Regioselective Catalytic Hydrodefluorination of Fluoroarenes with transâ€[Ru(NHC)₄H₂] through a Concerted Nucleophilic Ruâ^'H Attack Pathway. Angewandte Chemie, 2017, 129, 1537-1541.	2.0	9
24	Stoichiometric and Catalytic Reactivity of Ni(6-Mes)(PPh₃)₂. Organometallics, 2017, 36, 1776-1783.	2.3	33
25	Synthesis and characterization of phosphorescent two-coordinate copper(<scp>i</scp>) complexes bearing diamidocarbene ligands. Dalton Transactions, 2017, 46, 745-752.	3.3	52
26	Catalytic Hydrodefluorination of Fluoroarenes Using Ru(IMe4)2L2H2 (IMe4 =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (1,3,4,5-Tetr 36, 2308-2316.	2.3	17
27	Experimental and Computational Studies of the Copper Borate Complexes [(NHC)Cu(HBEt₃)] and [(NHC)Cu(HB(C₆F₅)₃)]. Angewandte Chemie, 2016, 128, 15768-15772.	2.0	11
28	Isolation of [Ru(IPr)₂(CO)H]⁺ (IPr =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (1,3-Bis(2,6-diisopropylpher Organometallics, 2016, 35, 1301-1312.	2.3	19
29	Influence of Ring-Expanded N-Heterocyclic Carbenes on the Structures of Half-Sandwich Ni(I) Complexes: An X-ray, Electron Paramagnetic Resonance (EPR), and Electron Nuclear Double Resonance (ENDOR) Study. Inorganic Chemistry, 2016, 55, 11006-11017.	4.0	25
30	Activation of H₂ over the Ruâ^'Zn Bond in the Transition Metalâ^'Lewis Acid Heterobimetallic Species [Ru(IPr)₂(CO)ZnEt]⁺. Journal of the American Chemical Society, 2016, 138, 11081-11084.	13.7	59
31	Experimental and Computational Studies of the Copper Borate Complexes [(NHC)Cu(HBEt₃)] and [(NHC)Cu(HB(C₆F₅)₃)]. Angewandte Chemie - International Edition, 2016, 55, 15539-15543.	13.8	31
32	Lactide polymerisation by ring-expanded NHC complexes of zinc. Polyhedron, 2016, 103, 121-125.	2.2	17
33	Unexpected Migratory Insertion Reactions of M(alkyl) 2 (M=Zn, Cd) and Diamidocarbenes. Chemistry - A European Journal, 2015, 21, 3215-3218.	3.3	8
34	A Comparison of the Stability and Reactivity of Diamidoâ€•and Diaminocarbene Copper Alkoxide and Hydride Complexes. Chemistry - A European Journal, 2015, 21, 14075-14084.	3.3	35
35	Mechanistic Study of Ru-NHC-Catalyzed Hydrodefluorination of Fluoropyridines: The Influence of the NHC on the Regioselectivity of Câ€“F Activation and Chemoselectivity of Câ€“F versus Câ€“H Bond Cleavage. ACS Catalysis, 2015, 5, 776-787.	11.2	36
36	Stoichiometric and catalytic Câ€“F bond activation by the trans-dihydride NHC complex [Ru(IEt2Me2)2(PPh3)2H2] (IEt2Me2= 1,3-diethyl-4,5-dimethylimidazol-2-ylidene). Dalton Transactions, 2015, 44, 19597-19605.	3.3	16

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37	Mono- and Bimetallic Zwitterionic Chromium(0) and Tungsten(0) Allenyls. Inorganic Chemistry, 2015, 54, 5450-5461.	4.0	14
38	Mechanistic Studies of the Rhodium NHC Catalyzed Hydrodefluorination of Polyfluorotoluenes. Organometallics, 2014, 33, 6165-6170.	2.3	33
39	Copper Diamidocarbene Complexes: Characterization of Monomeric to Tetrameric Species. Inorganic Chemistry, 2014, 53, 2699-2707.	4.0	21
40	Catalytic Hydrodefluorination with Late Transition Metal Complexes. ACS Catalysis, 2014, 4, 3152-3159.	11.2	149
41	Rhâ€"FHF and Rhâ€"F Complexes Containing Small N-Alkyl Substituted Six-Membered Ring N-Heterocyclic Carbenes. Organometallics, 2014, 33, 1986-1995.	2.3	23
42	Stereoelectronic Effects in Câ€"H Bond Oxidation Reactions of Ni(I) N-Heterocyclic Carbene Complexes. Inorganic Chemistry, 2014, 53, 7160-7169.	4.0	28
43	Use of Ring-Expanded Diamino- and Diamidocarbene Ligands in Copper Catalyzed Azideâ€"Alkyne â€œClickâ€• Reactions. Organometallics, 2014, 33, 5882-5887.	2.3	29
44	Synthesis and Small Molecule Reactivity of trans-Dihydride Isomers of Ru(NHC)₂(PPh₃)₂H₂ (NHC = N-Heterocyclic Carbene). Organometallics, 2013, 32, 4927-4937.	2.3	22
45	Synthesis, Electronic Structure, and Magnetism of [Ni(6-Mes)₂]⁺: A Two-Coordinate Nickel(I) Complex Stabilized by Bulky N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2013, 135, 13640-13643.	13.7	242
46	Computational study of the hydrodefluorination of fluoroarenes at [Ru(NHC)(PR3)2(CO)(H)2]: predicted scope and regioselectivities. Dalton Transactions, 2013, 42, 7386.	3.3	42
47	Threeâ€Coordinate Nickel(I) Complexes Stabilised by Sixâ€, Sevenâ€•and Eightâ€Membered Ring Nâ€Heterocyclic Carbenes: Synthesis, EPR/DFT Studies and Catalytic Activity. Chemistry - A European Journal, 2013, 19, 2158-2167.	3.3	89
48	Ring-Expanded N-Heterocyclic Carbene Complexes of Rhodium with Bifluoride, Fluoride, and Fluoroaryl Ligands. Organometallics, 2012, 31, 8584-8590.	2.3	22
49	Photochemistry of Cpâ€²Mn(CO)₂(NHC) (Cpâ€² = Î·⁵-C₅H₄Me) Species: Synthesis, Time-Resolved IR Spectroscopy, and DFT Calculations. Organometallics, 2012, 31, 4971-4979.	2.3	21
50	Formation of Cyclometallated N-Heterocyclic Carbene (NHC) Complexes from LnRuCl2 (L =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T 2213-2219.	2.0	20
51	Formation and reactivity of the cyclometallated N-heterocyclic carbene complexes [Ru(NHC)â€²(dppe)(CO)H]. Dalton Transactions, 2011, 40, 7858.	3.3	9
52	Neutral and Cationic Mono- and Bis-N-heterocyclic Carbene Complexes Derived From Manganese and Rhenium Carbonyl Precursors. Organometallics, 2011, 30, 2200-2211.	2.3	38
53	Comparison of the photochemistry of organometallic N-heterocyclic carbene and phosphine complexes of manganese. Chemical Communications, 2011, 47, 11225.	4.1	15
54	Ruthenium-Catalyzed Meta Sulfonation of 2-Phenylpyridines. Journal of the American Chemical Society, 2011, 133, 19298-19301.	13.7	457

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55	Ruthenium-catalysed transfer hydrogenation reactions with dimethylamine borane. Tetrahedron Letters, 2011, 52, 6652-6654.	1.4	61
56	Catalytic Hydrodefluorination of Pentafluorobenzene by [Ru(NHC)(PPh₃)₂(CO)H₂]: A Nucleophilic Attack by a Metalâ€Bound Hydride Ligand Explains an Unusual orthoâ€Regioselectivity. Angewandte Chemie - International Edition, 2011, 50, 2783-2786.	13.8	76
57	Ruthenium Bidentate Phosphine Complexes for the Coordination and Catalytic Dehydrogenation of Amineâ€“ and Phosphineâ€“Boranes. Chemistry - A European Journal, 2011, 17, 8704-8713.	3.3	56
58	[Ru(NHC)(Pâ€“P)(CO)HF] (NHCÂ=ÂN-heterocyclic carbene; Pâ€“PÂ=Âxantphos, dppf) complexes: Efforts to prepare new hydrodefluorination catalysts. Journal of Organometallic Chemistry, 2011, 696, 780-786.	1.8	19
59	Intramolecular Câ€“H insertion in ring-expanded N-heterocyclic carbenes. Tetrahedron Letters, 2010, 51, 557-559.	1.4	26
60	Synthesis and structural characterisation of the palladium N-heterocyclic carbene cluster complexes [Pd3(Î¼-CO)3(NHC)3] and [Pd3(Î¼-SO2)3(NHC)3]. Journal of Organometallic Chemistry, 2010, 695, 6-10.	1.8	16
61	Reactivity of the N-heterocyclic carbene complexes [Ru(IMes)2(CO)HX] (X=OH, Cl) with alkynes. Inorganica Chimica Acta, 2010, 363, 625-632.	2.4	8
62	Experimental and Computational Investigation of Câˆ’N Bond Activation in Ruthenium N-Heterocyclic Carbene Complexes. Journal of the American Chemical Society, 2010, 132, 18408-18416.	13.7	78
63	Ring-Expanded N-Heterocyclic Carbene Complexes of Ruthenium. Organometallics, 2010, 29, 991-997.	2.3	35
64	Ni(i) and Ni(ii) ring-expanded N-heterocyclic carbene complexes: Câ€“H activation, indole elimination and catalytic hydrodehalogenation. Chemical Communications, 2010, 46, 5151.	4.1	85
65	Pincer Phosphine Complexes of Ruthenium: Formation of Ru(Pâˆ’Oâˆ’P)(PPh₃)HCl (Pâˆ’Oâˆ’P =) Tj ETQq1 1 0.784314 rgBT / Ru(dppf)(PPh₃)HCl and Characterization of Cationic Dioxygen, Dihydrogen, Dinitrogen, and Arene Coordinated Phosphine Products. Inorganic Chemistry, 2010, 49, 7244-7256.	4.0	45
66	Tripodal N-Heterocyclic Carbene Complexes of Palladium and Copper: Syntheses, Characterization, and Catalytic Activity. Organometallics, 2010, 29, 4097-4104.	2.3	56
67	N-Heterocyclic Carbene Complexes in Dehalogenation Reactions. Catalysis By Metal Complexes, 2010, , 207-216.	0.6	0
68	Conversion of Primary Alcohols and Aldehydes into Methyl Esters by Ruthenium-Catalysed Hydrogen Transfer Reactions. Synthesis, 2009, 2009, 1578-1581.	2.3	11
69	The Influence of Nâ€Heterocyclic Carbenes (NHC) on the Reactivity of [Ru(NHC)₄H]⁺ With H₂, N₂, CO and O₂. Chemistry - A European Journal, 2009, 15, 10912-10923.	3.3	41
70	Synthesis and Reactivity of Ru(NHC)(dppp)(CO)H2and Ru(NHC)(dppp)(CO)HF Complexes: C-H and C-F Activation. European Journal of Inorganic Chemistry, 2009, 2009, 1774-1785.	2.0	34
71	Synthesis of furans, pyrroles and pyridazines by a ruthenium-catalysed isomerisation of alkynediols and in situ cyclisation. Tetrahedron, 2009, 65, 8981-8986.	1.9	54
72	Synthesis, Characterization, and Electrochemistry of a Series of Iron(II) Complexes Containing Self-Assembled 1,5-Diaza-3,7-diphosphabicyclo[3.3.1]nonane Ligands. Inorganic Chemistry, 2009, 48, 9924-9935.	4.0	8

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73	Catalytic Hydrodefluorination of Aromatic Fluorocarbons by Ruthenium N-Heterocyclic Carbene Complexes. Journal of the American Chemical Society, 2009, 131, 1847-1861.	13.7	155
74	Formation of [Ru(NHC)4(Î·2-O2)H]+: An Unusual, High Frequency Hydride Chemical Shift and Facile, Reversible Coordination of O2. Journal of the American Chemical Society, 2009, 131, 9618-9619.	13.7	38
75	Coordination, Agostic Stabilization, and Câ^'H Bond Activation of N-Alkyl Heterocyclic Carbenes by Coordinatively Unsaturated Ruthenium Hydride Chloride Complexes. Organometallics, 2009, 28, 6676-6686.	2.3	52
76	Sequential Formation of [Ru(IPr)₂(CO)H(OH₂)]⁺ and [Ru(IPr)(Î·⁶-C₆H₆)(CO)H]⁺ upon Protonation of Ru(IPr)₂(CO)H(OH) (IPr = 1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene). Organometallics, 2009, 28, 1976-1979.	2.3	23
77	Activation of an Alkyl Câ^'H Bond Geminal to an Agostic Interaction: An Unusual Mode of Base-Induced Câ^'H Activation. Journal of the American Chemical Society, 2009, 131, 4604-4605.	13.7	89
78	Transition metal catalysed reactions of alcohols using borrowing hydrogen methodology. Dalton Transactions, 2009, , 753-762.	3.3	616
79	[Ru(NHC)(xantphos)(CO)H2] complexes: intramolecular Câ€“H activation and applications in Câ€“C bond formation. Dalton Transactions, 2009, , 6941.	3.3	46
80	Ruthenium xantphos complexes in hydrogen transfer processes: reactivity and mechanistic studies. Dalton Transactions, 2009, , 716-722.	3.3	53
81	Stoichiometric and catalytic reactivity of the N-heterocyclic carbene ruthenium hydride complexes [Ru(NHC)(L)(CO)HCl] and [Ru(NHC)(L)(CO)H(Î·2-BH4)] (L = NHC, PPh3). Dalton Transactions, 2008, , 2603.	3.3	45
82	Cleavage of Ru3(CO)12 by N-Heterocyclic Carbenes: Isolation of cis- and trans-Ru(NHC)2(CO)3 and Reaction with O2 To Form Ru(NHC)2(CO)2(CO3). Organometallics, 2008, 27, 100-108.	2.3	54
83	Abnormal coordination of Arduengo's carbene upon reaction with M3(CO)12 (M = Ru, Os). Dalton Transactions, 2008, , 4209.	3.3	68
84	Computational Studies of Intramolecular Carbonâ^'Heteroatom Bond Activation of N-Aryl Heterocyclic Carbene Ligands. Organometallics, 2008, 27, 938-944.	2.3	28
85	Computational Study of Câ^'C Activation of 1,3-Dimesitylimidazol-2-ylidene (IMes) at Ruthenium: The Role of Ligand Bulk in Accessing Reactive Intermediates. Organometallics, 2008, 27, 617-625.	2.3	36
86	Substitution and derivatization reactions of a water soluble iron(ii) complex containing a self-assembled tetradentate phosphine ligand. Dalton Transactions, 2007, , 570-580.	3.3	14
87	Synthesis and Reactivity of Ru(PPh3)3(CO)HF and the N-Heterocyclic Carbene Derivatives Ru(NHC)(PPh3)2(CO)HF. Organometallics, 2007, 26, 3484-3491.	2.3	37
88	CH Activation Reactions of Ruthenium N-Heterocyclic Carbene Complexes:Â Application in a Catalytic Tandem Reaction Involving CC Bond Formation from Alcohols. Journal of the American Chemical Society, 2007, 129, 1987-1995.	13.7	197
89	Abnormally Bound Nâ€Heterocyclic Carbene Complexes of Ruthenium: Cï£¿H Activation of Both C4 and C5 Positions in the Same Ligand. Angewandte Chemie - International Edition, 2007, 46, 6343-6345.	13.8	123
90	Ruthenium-catalysed conversion of 1,4-alkynediols into pyrroles. Tetrahedron Letters, 2007, 48, 5115-5120.	1.4	75

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91	Neutral and Cationic Fluorinated N-Heterocyclic Carbene Complexes of Rhodium and Iridium. Organometallics, 2006, 25, 3761-3767.	2.3	60
92	Hâ^'X Bond Activation via Hydrogen Transfer to Hydride in Ruthenium N-Heterocyclic Carbene Complexes:Â Density Functional and Synthetic Studies. Organometallics, 2006, 25, 99-110.	2.3	44
93	Borrowing hydrogen: iridium-catalysed reactions for the formation of Câ€"C bonds from alcohols. Organic and Biomolecular Chemistry, 2006, 4, 116-125.	2.8	104
94	Ruthenium Induced Câ^'N Bond Activation of an N-Heterocyclic Carbene:Â Isolation of C- and N-Bound Tautomers. Journal of the American Chemical Society, 2006, 128, 13702-13703.	13.7	175
95	Ruthenium N-Heterocyclic Carbene Complexes in Organic Transformations (Excluding Metathesis). , 2006, , 27-53.		6
96	Photochemical Isomerization of N-Heterocyclic Carbene Ruthenium Hydride Complexes:Â In situ Photolysis, Parahydrogen, and Computational Studies. Journal of the American Chemical Society, 2006, 128, 7452-7453.	13.7	20
97	Cationic Tris N-Heterocyclic Carbene Rhodium Carbonyl Complexes:Â Molecular Structures and Solution NMR Studies. Organometallics, 2006, 25, 2642-2648.	2.3	26
98	Synthesis and isomerisation of two metallated N,O-complexes of ruthenium: Models for the Murai reaction. Inorganica Chimica Acta, 2006, 359, 815-820.	2.4	17
99	Câ€"C Bond formation from alcohols using a Xantphos ruthenium complex. Tetrahedron Letters, 2006, 47, 6787-6789.	1.4	103
100	Direct and Transfer Hydrogenation of Ketones and Imines with a Ruthenium N-Heterocyclic Carbene Complex. Advanced Synthesis and Catalysis, 2005, 347, 591-594.	4.3	111
101	N-Alkylation of Phenethylamine and Tryptamine.. ChemInform, 2005, 36, no.	0.0	0
102	Synthesis and structural characterisation of rhodium hydride complexes bearing N-heterocyclic carbene ligands. Journal of Organometallic Chemistry, 2005, 690, 5027-5035.	1.8	27
103	N-Alkylation of phenethylamine and tryptamine. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 535-537.	2.2	101
104	Mononuclear and dinuclear complexes with a [Ru(tBu2PCH2CH2PtBu2)(CO)] core. Dalton Transactions, 2005, , 588.	3.3	29
105	Ruthenium Hydride Complexes of 1,2-Dicyclohexylimidazol-2-ylidene. Organometallics, 2005, 24, 5868-5878.	2.3	45
106	Water-soluble hydroxyalkylated phosphines: examples of their differing behaviour toward ruthenium and rhodium. Dalton Transactions, 2004, , 4202.	3.3	29
107	The reaction of M(CO)3(Ph2PCH2CH2PPh2) (M = Fe, Ru) with parahydrogen: probing the electronic structure of reaction intermediates and the internal rearrangement mechanism for the dihydride products. Dalton Transactions, 2004, , 3218-3224.	3.3	39
108	Borrowing hydrogen: a catalytic route to Câ€"C bond formation from alcohols. Chemical Communications, 2004, , 90-91.	4.1	177

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109	Reversible Intramolecular Alkyl Câ^'H Bond Activation, Alcohol Dehydrogenation, and Transâ^'Cis Dihydride Isomerization in Ruthenium N-Heterocyclic Carbene Complexes. Organometallics, 2004, 23, 4537-4539.	2.3	73
110	Ability of N-Heterocyclic Carbene Ligands to Promote Intermolecular Oxidative Addition Reactions at Unsaturated Ruthenium Centers. Organometallics, 2004, 23, 1857-1865.	2.3	28
111	Structure, Reactivity, and Computational Studies of a Novel Ruthenium Hydrogen Sulfide Dihydride Complex. Inorganic Chemistry, 2003, 42, 7695-7697.	4.0	34
112	PGSE Diffusion Studies on Chelating Phosphine Complexes of Ruthenium(II). Solvent Dependence and Ion Pairing. Organometallics, 2003, 22, 2956-2960.	2.3	45
113	N-Heterocyclic Carbene Stabilizedtrans-Dihydrido Aqua and Ethanol Complexes of Ruthenium:Â Precursors to Complexes with Ruâ^'Heteroatom Bonds. Organometallics, 2003, 22, 670-683.	2.3	59
114	Substitution Reactions of [Ru(dppe)(CO)(H2O)3][OTf]2. Inorganic Chemistry, 2002, 41, 3137-3145.	4.0	18
115	Ethylidyne Tricobalt Nonacarbonyl:â€‰ Infrared, FT-Raman, and Inelastic Neutron Scattering Spectra. Journal of Physical Chemistry A, 2002, 106, 5797-5802.	2.5	14
116	Câ^'C and Câ^'H Bond Activation Reactions in N-Heterocyclic Carbene Complexes of Ruthenium. Journal of the American Chemical Society, 2002, 124, 4944-4945.	13.7	193
117	Câ€“F bond activation of perfluoroalkenes by ruthenium phosphine hydride complexes: X-ray crystal structures of cis-Ru(dmpe)2F(Fâ€¥HF) and [Ru(dcpe)2H]+[(CF3)2Cî€†C(O)CF2CF3]â^'. Chemical Communications, 2001, , 813-814.	4.1	58
118	Synthesis and X-ray Structural Characterization of Ru(PPh3)3(CO)(C2H4) and RuH(o-C6H4C(O)CH3)(PPh3)2L (L = PPh3, CO, DMSO):Â Ruthenium Complexes with Relevance to the Murai Reactionâ€. Organometallics, 2001, 20, 3745-3751.	2.3	45
119	Synthesis and Structures of Organometallic Aqua Complexes of Ruthenium(II). Organometallics, 1999, 18, 4068-4074.	2.3	42
120	A theoretical study of [M(PH3)4] (Mâ€...=â€...Ru or Fe), models for the highly reactive d8 intermediates [M(dmpe)2] (dmpeâ€...=â€...Me2PCH2CH2PMe2). Zero activation energies for addition of CO and oxidative addition of H2â€Šâ€¡. Journal of the Chemical Society Dalton Transactions, 1998, , 291-300.	1.1	45
121	Formation and X-ray structure of a novel water-soluble tertiaryâ€“secondary phosphine complex of ruthenium(II): [Ru{P(CH2OH)3}2{P(CH2OH)2H}2Cl2]. Chemical Communications, 1998, , 1107-1108.	4.1	24
122	Synthesis, molecular structure and NMR spectroscopy of a transition-metal bifluoride complex: formation via Câ€“F activation or reaction with Et3NÂ·3HF. Chemical Communications, 1997, , 187-188.	4.1	58
123	Low-Temperature-Matrix and Room-Temperature-Solution Photochemistry of Ru(CO)3(dmpe) (dmpe =) Tj ETQq1 1 0.784314 rgBT /Ov	2.3	36
124	Facile Insertion of CO2into the Ruâ^'H Bonds of Ru(dmpe)2H2(dmpe = Me2PCH2CH2PMe2):Â Identification of Three Ruthenium Formate Complexes. Organometallics, 1996, 15, 5166-5169.	2.3	75
125	Facile intermolecular aromatic Câ€“F bond activation reaction of [Ru(dmpe)2H2](dmpe =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	4.1	66
126	Photochemical intermolecular Câ€“H and Câ€“F insertion of rhodium into pentafluoroanisole to generate a metallacycle; conversion to a cyclic carbene complex. Chemical Communications, 1996, , 961-962.	4.1	25

#	Article	IF	Citations
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