William D Jones

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203 papers

12,269 citations

64 h-index

102 g-index

212 ext. papers

12,946 ext. citations

7.8 avg, IF

6.69 L-index

#	Paper	IF	Citations
203	Isotope effects in C-H bond activation reactions by transition metals. <i>Accounts of Chemical Research</i> , 2003 , 36, 140-6	24.3	428
202	An efficient low-temperature route to polycyclic isoquinoline salt synthesis via C-H activation with [Cp*MCl2]2 (M = Rh, Ir). <i>Journal of the American Chemical Society</i> , 2008 , 130, 12414-9	16.4	407
201	Comparative reactivities of hydrocarbon carbon-hydrogen bonds with a transition-metal complex. <i>Accounts of Chemical Research</i> , 1989 , 22, 91-100	24.3	403
200	A molecular iron catalyst for the acceptorless dehydrogenation and hydrogenation of N-heterocycles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8564-7	16.4	357
199	CH Activation of Phenyl Imines and 2-Phenylpyridines with [Cp*MCl2]2 (M = Ir, Rh): Regioselectivity, Kinetics, and Mechanism. <i>Organometallics</i> , 2009 , 28, 3492-3500	3.8	322
198	Well-Defined Iron Catalysts for the Acceptorless Reversible Dehydrogenation-Hydrogenation of Alcohols and Ketones. <i>ACS Catalysis</i> , 2014 , 4, 3994-4003	13.1	291
197	The mechanism and thermodynamics of alkane and arene carbon-hydrogen bond activation in (C5Me5)Rh(PMe3)(R)H. <i>Journal of the American Chemical Society</i> , 1984 , 106, 1650-1663	16.4	277
196	Cleavage of carbon-carbon bonds in aromatic nitriles using nickel(0). <i>Journal of the American Chemical Society</i> , 2002 , 124, 9547-55	16.4	217
195	Acceptorless, Reversible Dehydrogenation and Hydrogenation of N-Heterocycles with a Cobalt Pincer Catalyst. <i>ACS Catalysis</i> , 2015 , 5, 6350-6354	13.1	187
194	Activation of CE bonds using Cp*2ZrH2: a diversity of mechanisms. <i>Dalton Transactions</i> , 2003 , 3991-399	954.3	187
193	Kinetics, thermodynamics, and effect of BPh3 on competitive C-C and C-H bond activation reactions in the interconversion of allyl cyanide by [Ni(dippe)]. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3627-41	16.4	168
192	Mechanistic Investigation of Catalytic Carbon©arbon Bond Activation and Formation by Platinum and Palladium Phosphine Complexes. <i>Journal of the American Chemical Society</i> , 1998 , 120, 2843-2853	16.4	161
191	Modeling the Hydrodesulfurization Reaction at Nickel. Unusual Reactivity of Dibenzothiophenes Relative to Thiophene and Benzothiophene. <i>Journal of the American Chemical Society</i> , 1999 , 121, 7606-	769 7 1	156
190	Room-Temperature Desulfurization of Dibenzothiophene Mediated by [(i-Pr2PCH2)2NiH]2. <i>Journal of the American Chemical Society</i> , 1997 , 119, 10855-10856	16.4	151
189	Reversible Cleavage of Carbontarbon Bonds in Benzonitrile Using Nickel(0). <i>Organometallics</i> , 2000 , 19, 5544-5545	3.8	146
188	Mechanism of arene carbon-hydrogen bond activation by (C5Me5)Rh(PMe3)(H)Ph. Evidence for arene precoordination. <i>Journal of the American Chemical Society</i> , 1982 , 104, 4240-4242	16.4	146
187	A model for homogeneous hydrodesulfurization. The importance of .eta.2-coordination and sulfur coordination in carbon-hydrogen and carbon-sulfur bond cleavage reactions of thiophene. <i>Journal of the American Chemical Society</i> 1992 , 114, 151-160	16.4	145

186	Toward Benchmarking in Catalysis Science: Best Practices, Challenges, and Opportunities. <i>ACS Catalysis</i> , 2016 , 6, 2590-2602	13.1	139
185	Alkane carbon-hydrogen bond activation by homogeneous rhodium(I) compounds. <i>Organometallics</i> , 1983 , 2, 562-563	3.8	139
184	Cleavage of the carbon Barbon bond in biphenylene using transition metals. <i>Journal of Molecular Catalysis A</i> , 2002 , 189, 157-168		137
183	Aliphatic and aromatic carbon-fluorine bond activation with Cp*(2)ZrH(2): mechanisms of hydrodefluorination. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10973-9	16.4	129
182	Insertion of rhodium into the carbon-sulfur bond of thiophene. Mechanism of a model for the hydrodesulfurization reaction. <i>Journal of the American Chemical Society</i> , 1991 , 113, 559-564	16.4	128
181	Mechanism of Carbon E luorine Bond Activation by (C5Me5)Rh(PMe3)H2. <i>Journal of the American Chemical Society</i> , 1997 , 119, 7734-7742	16.4	127
180	Cleavage of Carbon Carbon Bonds in Alkyl Cyanides Using Nickel (0). Organometallics, 2004, 23, 3997-400	03 .8	126
179	Experimental and theoretical examination of C-CN and C-H bond activations of acetonitrile using zerovalent nickel. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7562-9	16.4	124
178	On the nature of carbon-hydrogen bond activation at rhodium and related reactions. <i>Inorganic Chemistry</i> , 2005 , 44, 4475-84	5.1	123
177	Highly Selective Formation of n-Butanol from Ethanol through the Guerbet Process: A Tandem Catalytic Approach. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14264-7	16.4	119
176	Photolysis of TpRh(CN-neopentyl)(.eta.2-PhN:C:N-neopentyl) in alkanes and arenes: kinetic and thermodynamic selectivity of [TpRh(CN-neopentyl)] for various types of carbon-hydrogen bonds. <i>Journal of the American Chemical Society</i> , 1993 , 115, 554-562	16.4	112
175	Catalytic Hydrogenolysis of an Aryl-Aryl Carbon-Carbon Bond with a Rhodium Complex. <i>Journal of the American Chemical Society</i> , 1994 , 116, 3647-3648	16.4	110
174	Energetics of C-H bond activation of fluorinated aromatic hydrocarbons using a [Tp\Rh(CNneopentyl)] complex. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13464-73	16.4	109
173	Reversible catalytic dehydrogenation of alcohols for energy storage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1687-92	11.5	105
172	Investigation of the mechanism of alkane reductive elimination and skeletal isomerization in TpRh(CNneopentyl)(R)H complexes: the role of alkane complexes. <i>Journal of the American Chemical Society</i> , 2001 , 123, 7257-70	16.4	104
171	Catalytic CI Bond Activation in Biphenylene and Cyclotrimerization of Alkynes: Increased Reactivity of P,N- versus P,P-Substituted Nickel Complexes. <i>Organometallics</i> , 2002 , 21, 1975-1981	3.8	103
170	CL Activation in Biphenylene. Synthesis, Structure, and Reactivity of (C5Me5)2M2(2,2Ebiphenyl) (M = Rh, Co). <i>Organometallics</i> , 1997 , 16, 2016-2023	3.8	99
169	eta.2-Coordination and carbon-fluorine activation of hexafluorobenzene by cyclopentadienylrhodium and -iridium complexes. <i>Journal of the American Chemical Society</i> , 1993 , 115, 1429-1440	16.4	98

168	Isotope effects in arene carbon-hydrogen bond activation by [(C5Me5)Rh(PMe3)]. <i>Journal of the American Chemical Society</i> , 1986 , 108, 4814-4819	16.4	98
167	Dibenzometallacyclopentadienes, boroles and selected transition metal and main group heterocyclopentadienes: Synthesis, catalytic and optical properties. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 1950-1976	23.2	97
166	Mechanism of vinylic and allylic carbon-fluorine bond activation of non-perfluorinated olefins using Cp*(2)ZrH(2). <i>Journal of the American Chemical Society</i> , 2002 , 124, 8681-9	16.4	95
165	Iron-Catalyzed Homogeneous Hydrogenation of Alkenes under Mild Conditions by a Stepwise, Bifunctional Mechanism. <i>ACS Catalysis</i> , 2016 , 6, 2127-2135	13.1	94
164	Additive-Free Cobalt-Catalyzed Hydrogenation of Esters to Alcohols. <i>ACS Catalysis</i> , 2017 , 7, 3735-3740	13.1	90
163	Aliphatic Carbon E luorine Bond Activation Using (C5Me5)2ZrH2. <i>Journal of the American Chemical Society</i> , 2000 , 122, 8559-8560	16.4	90
162	Carbon-hydrogen bond activation by ruthenium for the catalytic synthesis of indoles. <i>Journal of the American Chemical Society</i> , 1986 , 108, 5640-5641	16.4	90
161	Catalytic Upgrading of Ethanol to n-Butanol via Manganese-Mediated Guerbet Reaction. <i>ACS Catalysis</i> , 2018 , 8, 997-1002	13.1	89
160	Experimental and Theoretical Examination of CIIN Bond Activation of Benzonitrile Using Zerovalent Nickel. <i>Organometallics</i> , 2008 , 27, 3811-3817	3.8	89
159	Control of .eta.2-coordination vs. carbon-hydrogen bond activation by rhodium: the role of aromatic resonance energies. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7685-7695	16.4	89
158	Hydrodesulfurization of thiophene to butadiene and butane by a homogeneous iridium complex. Journal of the American Chemical Society, 1994 , 116, 198-203	16.4	88
157	Catalytic Carbon t arbon Bond Activation and Functionalization by Nickel Complexes. Organometallics, 1999 , 18, 4040-4049	3.8	87
156	A Single Nickel Catalyst for the Acceptorless Dehydrogenation of Alcohols and Hydrogenation of Carbonyl Compounds. <i>Organometallics</i> , 2015 , 34, 5203-5206	3.8	84
155	Defluorination of perfluoropropene using Cp*2ZrH2 and Cp2ZrHF: a mechanism investigation from a joint experimental-theoretical perspective. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5647-	.536.4	83
154	CLIN Bond Activation of Aromatic Nitriles and Fluxionality of the 🛭 -Arene Intermediates: Experimental and Theoretical Investigations. <i>Organometallics</i> , 2010 , 29, 2430-2445	3.8	8o
153	11B NMR: A New Tool for the Determination of Hapticity of Tris(pyrazolyl)borate Ligands. Organometallics, 1998 , 17, 5148-5152	3.8	79
152	Catalytic Hydrogenolysis of Biphenylene with Platinum, Palladium, and Nickel Phosphine Complexes. <i>Organometallics</i> , 1998 , 17, 4784-4794	3.8	79
151	Carbon E luorine Bond Cleavage by Zirconium Metal Hydride Complexes. <i>Organometallics</i> , 1999 , 18, 3170	0-3877	77

150	C-H vs C-C bond activation of acetonitrile and benzonitrile via oxidative addition: rhodium vs nickel and Cp* vs TpP(TpP= hydrotris(3,5-dimethylpyrazol-1-yl)borate, Cp* = [5)-pentamethylcyclopentadienyl). <i>Journal of the American Chemical Society</i> , 2010 , 132, 16278-84	16.4	75
149	Energetics of Homogeneous Intermolecular Vinyl and Allyl Carbon Hydrogen Bond Activation by the 16-Electron Coordinatively Unsaturated Organometallic Fragment [TpRh(CNCH2CMe3)]. Organometallics, 1999, 18, 495-505	3.8	74
148	Reactivity and Regioselectivity of Insertion of Unsaturated Molecules into MII (M = Ir, Rh) Bonds of Cyclometalated Complexes. <i>Organometallics</i> , 2010 , 29, 4593-4605	3.8	73
147	Rhodium-Catalyzed Activation and Functionalization of the CII Bond of Biphenylene. <i>Organometallics</i> , 2001 , 20, 5745-5750	3.8	72
146	Functionalization of benzylic carbon-hydrogen bonds. Mechanism and scope of the catalytic synthesis of indoles with [Ru(dmpe)2]. <i>Organometallics</i> , 1994 , 13, 385-396	3.8	71
145	Generation of Perfluoropolyphenylene Oligomers via Carbon E luorine Bond Activation by Cp2Zr(C6F5)2: A Dual Mechanism Involving a Radical Chain and Release of Tetrafluorobenzyne. <i>Journal of the American Chemical Society</i> , 1999 , 121, 10327-10331	16.4	68
144	Carbon-carbon bond activation in Pt(0)-diphenylacetylene complexes bearing chelating P,N- and P,P-ligands. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9718-9	16.4	67
143	Steric and Electronic Effects on the Insertion of a Rhodium Phosphine Complex into the CB Bond of Substituted Dibenzothiophenes. Homogeneous Model for the Hydrodesulfurization Process. <i>Organometallics</i> , 1996 , 15, 2905-2917	3.8	66
142	Synthesis and reactivity of new Ni, Pd, and Pt 2,6-bis(di-tert-butylphosphinito)pyridine pincer complexes. <i>Inorganic Chemistry</i> , 2011 , 50, 9443-53	5.1	65
141	Deep Hydrodesulfurization in Homogeneous Solution: Access to a Transition-Metal Insertion Complex of 4,6-Dimethyldibenzothiophene. <i>Organometallics</i> , 1998 , 17, 3411-3413	3.8	65
140	Sequential arene coordination and CE insertion in the reactions of (B-pentamethylcyclopentadienyl)rhodium complexes with hexafluorobenzene. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 264-266		64
139	Solvent effects and activation parameters in the competitive cleavage of C-CN and C-H bonds in 2-methyl-3-butenenitrile using [(dippe)NiH]2. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8548-	-54.4	62
138	Cleavage of carbon-carbon bonds of diphenylacetylene and its derivatives via photolysis of Pt complexes: tuning the C-C bond formation energy toward selective C-C bond activation. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8729-35	16.4	62
137	Catalytic Arene H/D Exchange with Novel Rhodium and Iridium Complexes. <i>Organometallics</i> , 2012 , 31, 1943-1952	3.8	61
136	Alkane coordination selectivity in hydrocarbon activation by [Tp\Rh(CNneopentyl)]: the role of alkane complexes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12315-22	16.4	61
135	Catalytic Carbon L arbon and CarbonBilicon Bond Activation and Functionalization by Nickel Complexes. <i>Organometallics</i> , 1999 , 18, 4660-4668	3.8	59
134	Homogeneus models of thiophene HDS reactions. Selectivity in thiophene C?S cleavage and thiophene reactions with dinuclear metal complexes. <i>Polyhedron</i> , 1997 , 16, 3115-3128	2.7	57
133	Mechanism of formation of carbon-carbon bonds in the ring opening and coupling of thiophene by rhodium complex, (C5Me5)Rh(C2H4)2. <i>Journal of the American Chemical Society</i> , 1992 , 114, 9851-9858	16.4	57

132	Evidence for Methane Ecomplexes in Reductive Elimination Reactions from TpRh(L)(CH3)H. Journal of the American Chemical Society, 1999 , 121, 3974-3983	16.4	56
131	Carbonfluorine bond activation of perfluorinated arenes with Cp*2ZrH2. <i>Journal of Organometallic Chemistry</i> , 2002 , 658, 132-140	2.3	54
130	Mechanism of benzene loss from TpIRh(H)(Ph)(CN-neopentyl) in the presence of neopentyl isocyanide. Evidence for an associatively induced reductive elimination. <i>Journal of the American Chemical Society</i> , 1992 , 114, 6087-6095	16.4	53
129	Hydrodesulfurization of Thiophene and Benzothiophene to Butane and Ethylbenzene by a Homogeneous Iridium Complex. <i>Organometallics</i> , 1997 , 16, 1912-1919	3.8	52
128	Catalytic Isomerization of 2-Methyl-3-butenenitrile by Nickel Systems Using Bis-diphosphinoferrocene Ligands: Evidence for Hemilability. <i>Organometallics</i> , 2007 , 26, 5766-5769	3.8	51
127	Activation of Aromatic, Aliphatic, and Olefinic Carbon E luorine Bonds Using Cp*2HfH2. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2839-2847	2.3	51
126	Dimerization of Thiophene to Give a Linear S(CH)8S Fragment with [(C5Me5)Rh(C2H4)2]. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 357-358		50
125	Formation of Phenylene Oligomers Using Platinum Phosphine Complexes. <i>Organometallics</i> , 2001 , 20, 2759-2766	3.8	49
124	CarbonHydrogen and CarbonCarbon Bond Activation of Cyclopropane by a Hydridotris(pyrazolyl)borate Rhodium Complex. <i>Organometallics</i> , 1998 , 17, 4484-4492	3.8	49
123	Regiochemical Selectivity in the Carbon-Sulfur Bond Cleavage of 2-Methylbenzothiophene: Synthesis, Characterization, and Mechanistic Study of Reversible Insertion into a C-S Bond. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11704-11709	16.4	49
122	Thiophene carbon-sulfur bond cleavage by cobalt. Synthesis, structure, and dynamics of [(C5Me5)Co]2(C4H4S). <i>Organometallics</i> , 1992 , 11, 2698-2700	3.8	49
121	Direct observation of .eta.2-arene complexes of [(C5Me5)Rh(PMe3)]. <i>Journal of the American Chemical Society</i> , 1989 , 111, 8722-8723	16.4	49
12 0	Formation of Tetrafluorobenzyne by	3.8	48
119	☑-Coordination and CĦ Activation of Electron-Poor Arenes. <i>Organometallics</i> , 2002 , 21, 5320-5333	3.8	47
118	Evidence for the Existence of a Late-Metal Terminal Sulfido Complex. <i>Journal of the American Chemical Society</i> , 1999 , 121, 4070-4071	16.4	46
117	Activation of Sulfur- and Nitrogen-Containing Heterocycles by a Dinuclear Iridium Complex. <i>Organometallics</i> , 1999 , 18, 134-138	3.8	46
116	Carbon-Sulfur Bond Cleavage in Thiophene by Group 6 Metallocenes. <i>Organometallics</i> , 1994 , 13, 4448-4-	458	46
115	Carbon-sulfur bond cleavage by cobalt. Reaction of Cp?Co(C2H4)2 with dibenzothiophene. <i>Journal of Organometallic Chemistry</i> , 1994 , 472, 311-316	2.3	45

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114	Synthesis and structure of rhodium complexes containing a photolabile .eta.2-carbodiimide ligand. 1,3-Dipolar cycloaddition of phenyl azide to TpRh(CNR)2 [TpP= hydrotris(3,5-dimethylpyrazolyl)borate]. <i>Organometallics</i> , 1992 , 11, 1496-1505	3.8	45	
113	Mechanistic insights on the hydrodesulfurization of biphenyl-2-thiol with nickel compounds. Journal of the American Chemical Society, 2009 , 131, 4120-6	16.4	44	
112	Rhodium-carbon bond energies in TpRh(CNneopentyl)(CH2X)H: quantifying stabilization effects in M-C bonds. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6994-7004	16.4	43	
111	Selective C-H activation of haloalkanes using a rhodiumtrispyrazolylborate complex. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10742-52	16.4	43	
110	Ring migration reactions of (C5Me5)Rh(PMe3)H2. Evidence for .eta.3 slippage and metal-to-ring hydride migration. <i>Organometallics</i> , 1991 , 10, 1577-1586	3.8	43	
109	Thermodynamic trends in carbon-hydrogen bond activation in nitriles and chloroalkanes at rhodium. <i>Journal of Organic Chemistry</i> , 2009 , 74, 6907-14	4.2	42	
108	Thermal and Photochemical SiliconCarbon Bond Activation in Donor-Stabilized Platinum(0)Alkyne Complexes. <i>Organometallics</i> , 2002 , 21, 1190-1196	3.8	41	
107	Mechanistic Insights of a Concerted Metalation Deprotonation Reaction with [Cp*RhCl2]2. Organometallics, 2015, 34, 3400-3407	3.8	40	
106	CH and CIIN Bond Activation of Acetonitrile and Succinonitrile by [Tp?Rh(PR3)]. <i>Organometallics</i> , 2011 , 30, 834-843	3.8	40	
105	Mechanistic investigation of vinylic carbonfluorine bond activation of perfluorinated cycloalkenes using Cp*2ZrH2 and Cp*2ZrHF. <i>Journal of Fluorine Chemistry</i> , 2010 , 131, 1122-1132	2.1	40	
104	Palladium-Catalyzed Coupling Reactions of Biphenylene with Olefins, Arylboronic Acids, and Ketones Involving Cli Bond Cleavage. <i>Organometallics</i> , 2001 , 20, 2916-2919	3.8	39	
103	Bond Cleavage Reactions in Oxygen and Nitrogen Heterocycles by a Rhodium Phosphine Complex. <i>Organometallics</i> , 1995 , 14, 855-861	3.8	39	
102	Preparation and C-N cleavage reactions of bis[(dimethylphosphino)ethane]ruthenium isocyanide complexes. <i>Organometallics</i> , 1986 , 5, 1823-1829	3.8	38	
101	Activation of B-H, Si-H, and C-F bonds with TpRh(PMe3) complexes: kinetics, mechanism, and selectivity. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1258-72	16.4	37	
100	Multiple .eta.2-arene coordination. Structure and isomerism of naphthalene complexes of rhodium phosphine [(C5Me5)Rh(PMe3)]. <i>Organometallics</i> , 1992 , 11, 871-876	3.8	37	
99	Selective hydrogenation of the CO bond of ketones using Ni(0) complexes with a chelating bisphosphine. <i>Journal of Molecular Catalysis A</i> , 2009 , 309, 1-11		36	
98	Insertion of Elemental Sulfur and SO2into the Metal⊞ydride and MetalŒarbon Bonds of Platinum Compounds. <i>Organometallics</i> , 1999 , 18, 227-234	3.8	36	
97	The activation of alkyl cyanides using a rhodiumtrispyrazolylborate complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 6957-62	11.5	35	

96	Photochemical CH Activation and Ligand Exchange Reactions of CpRe(PPh3)2H2. Phosphine Dissociation Is Not Involved. <i>Organometallics</i> , 1999 , 18, 1754-1760	3.8	35
95	Kinetic and thermodynamic selectivity of intermolecular C-H activation at [TpRh(PMe3)]. How does the ancillary ligand affect the metal-carbon bond strength?. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16198-212	16.4	34
94	First examples of homogeneous hydrogenolysis of thiophene to 1-butanethiolate and ethylthioketene ligands: synthesis and reactivity of (.eta.4-C4H5S)ReH2(PPh3)2. <i>Journal of the American Chemical Society</i> , 1992 , 114, 10767-10775	16.4	34
93	Structural and dynamic properties of propane coordinated to TpRh(CNR) from a confrontation between theory and experiment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 6939-44	11.5	33
92	Synthesis and Reactions of Cp-Linked Phosphine Complexes of Rhodium. <i>Organometallics</i> , 1998 , 17, 3	88 98 89	9933
91	Control of 🛚 -arene coordination and C H bond activation by cyclopentadienyl complexes of rhodium. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 266-269		33
90	Synthesis, structure, and reductive elimination in the series TpIRh(PR3)(Ar(F))H; determination of rhodium-carbon bond energies of fluoroaryl substituents. <i>Dalton Transactions</i> , 2010 , 39, 10495-509	4.3	32
89	CB Bond Activation of Thioesters Using Platinum(0). Organometallics, 2011, 30, 5147-5154	3.8	31
88	Controlling the Selectivity for CH and CLN Bond Activation at Rhodium: A DFT Examination of Ligand Effects. <i>Organometallics</i> , 2011 , 30, 3371-3377	3.8	31
87	Synthesis and structures of rhodium isocyanide complexes containing an .eta.2-hydrotris(3,5-dimethylpyrazolyl)borate ligand. <i>Inorganic Chemistry</i> , 1991 , 30, 778-783	5.1	31
86	Structure of Metallathiacycles: Planar vs Nonplanar Geometries. A Theoretical and Experimental Investigation. <i>Organometallics</i> , 1997 , 16, 3819-3827	3.8	30
85	Chelating P,N versus P,P Ligands: Differing Reactivity of Donor-Stabilized Pt(IZ-PhC?CPh) Complexes Toward Diphenylacetylene. <i>Organometallics</i> , 2002 , 21, 1118-1123	3.8	29
84	Structure of [Ni(dippe)(臣)]2 and its reaction products. The nucleophilicity of the Ni2S2 fragment. <i>Inorganica Chimica Acta</i> , 2002 , 330, 118-127	2.7	27
83	Exploring Oxidation of Half-Sandwich Rhodium Complexes: Oxygen Atom Insertion into the Rhodium arbon Bond of 2 -Coordinated 2-Phenylpyridine. <i>Organometallics</i> , 2014 , 33, 4442-4448	3.8	26
82	CLIN Bond Activation of Benzonitrile with [RhL(dippe)] [IOrganometallics, 2011, 30, 5604-5610	3.8	26
81	Reactivity Differences of Pt0 Phosphine Complexes in CI Bond Activation of Asymmetric Acetylenes. <i>Organometallics</i> , 2009 , 28, 6524-6530	3.8	26
80	Selectivity in the oxidative addition of C-S bonds of substituted thiophenes to the (C5Me5)Rh(PMe3) fragment: a comparison of theory with experiment. <i>Inorganic Chemistry</i> , 2008 , 47, 10889-94	5.1	26
79	Structural properties and inversion mechanisms of [Rh(dippe)(ESR)]2 complexes. <i>Inorganica Chimica Acta</i> 2004 , 357, 1836-1846	2.7	26

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78	Catalytic Dehydrogenative C-C Coupling by a Pincer-Ligated Iridium Complex. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8977-8989	16.4	25
77	CLIN vs CH Cleavage of Benzonitrile Using [(dippe)PtH]2. Organometallics, 2011, 30, 1523-1529	3.8	25
76	DFT Calculations of the Isomerization of 2-Methyl-3-butenenitrile by [Ni(bisphosphine)] in Relation to the DuPont Adiponitrile Process. <i>Organometallics</i> , 2011 , 30, 547-555	3.8	25
75	A Deeper Look into Thiophene Coordination Prior to Oxidative Addition of the CB Bond to Platinum(0): A Computational Study Using DFT and MO Methods. <i>Organometallics</i> , 2008 , 27, 53-60	3.8	25
74	The synthesis and structural properties of [M(dippe)(\(\mathbb{Q}\)-C4H4S)] complexes of Pd and Pt and comparison with their Ni analog. <i>Inorganica Chimica Acta</i> , 2006 , 359, 2798-2805	2.7	25
73	Preparation and characterization of rhodium pentamethylcyclopentadienyl isocyanide complexes, (C5Me5)Rh(CNR)2 and [(C5Me5)Rh(CNR)]2 complexes. <i>Inorganic Chemistry</i> , 1990 , 29, 1505-1511	5.1	25
72	CarbonBulfur Bond Activation of Dibenzothiophenes and Phenoxythiin by [Rh(dippe)(EH)]2 and [Rh2(dippe)2(ECl)(EH)][IOrganometallics, 2010 , 29, 4923-4931	3.8	24
71	Rapid oxidative hydrogen evolution from a family of square-planar nickel hydride complexes. <i>Chemical Science</i> , 2016 , 7, 117-127	9.4	23
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