

William D Jones

List of Publications by Year in descending order

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13865

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212
times ranked

7128
citing authors

#	ARTICLE	IF	CITATIONS
1	Isotope Effects in C-H Bond Activation Reactions by Transition Metals. <i>Accounts of Chemical Research</i> , 2003, 36, 140-146.	15.6	465
2	Comparative reactivities of hydrocarbon carbon-hydrogen bonds with a transition-metal complex. <i>Accounts of Chemical Research</i> , 1989, 22, 91-100.	15.6	447
3	An Efficient Low-Temperature Route to Polycyclic Isoquinoline Salt Synthesis via C-H Activation with [Cp* ₂ MCl] ₂ (M = Rh, Ir). <i>Journal of the American Chemical Society</i> , 2008, 130, 12414-12419.	13.7	442
4	A Molecular Iron Catalyst for the Acceptorless Dehydrogenation and Hydrogenation of N-Heterocycles. <i>Journal of the American Chemical Society</i> , 2014, 136, 8564-8567.	13.7	429
5	C-H Activation of Phenyl Imines and 2-Phenylpyridines with [Cp* ₂ MCl] ₂ (M = Ir, Rh). <i>Journal of the American Chemical Society</i> , 2008, 130, 12414-12419.	13.7	429
6	Well-Defined Iron Catalysts for the Acceptorless Reversible Dehydrogenation-Hydrogenation of Alcohols and Ketones. <i>ACS Catalysis</i> , 2014, 4, 3994-4003.	11.2	330
7	The mechanism and thermodynamics of alkane and arene carbon-hydrogen bond activation in (C ₅ Me ₅)Rh(PMe ₃)(R)H. <i>Journal of the American Chemical Society</i> , 1984, 106, 1650-1663.	13.7	305
8	Cleavage of Carbon-Carbon Bonds in Aromatic Nitriles Using Nickel(0). <i>Journal of the American Chemical Society</i> , 2002, 124, 9547-9555.	13.7	238
9	Acceptorless, Reversible Dehydrogenation and Hydrogenation of N-Heterocycles with a Cobalt Pincer Catalyst. <i>ACS Catalysis</i> , 2015, 5, 6350-6354.	11.2	230
10	Activation of C-F bonds using Cp* ₂ ZrH ₂ : a diversity of mechanisms. <i>Dalton Transactions</i> , 2003, , 3991-3995.	3.3	197
11	Toward Benchmarking in Catalysis Science: Best Practices, Challenges, and Opportunities. <i>ACS Catalysis</i> , 2016, 6, 2590-2602.	11.2	190
12	Kinetics, Thermodynamics, and Effect of BPh ₃ 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, 3627-3641.	13.7	182
13	Mechanistic Investigation of Catalytic Carbon-Carbon Bond Activation and Formation by Platinum and Palladium Phosphine Complexes. <i>Journal of the American Chemical Society</i> , 1998, 120, 2843-2853.	13.7	178
14	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, 7606-7617.	13.7	171
15	A model for homogeneous hydrodesulfurization. The importance of η 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.	13.7	164
16	Reversible Cleavage of Carbon-Carbon Bonds in Benzonitrile Using Nickel(0). <i>Organometallics</i> , 2000, 19, 5544-5545.	2.3	162
17	Mechanism of arene carbon-hydrogen bond activation by (C ₅ Me ₅)Rh(PMe ₃)(H)Ph. Evidence for arene precoordination. <i>Journal of the American Chemical Society</i> , 1982, 104, 4240-4242.	13.7	161
18	Room-Temperature Desulfurization of Dibenzothiophene Mediated by [(i-Pr ₂ PCH ₂) ₂ NiH] ₂ . <i>Journal of the American Chemical Society</i> , 1997, 119, 10855-10856.	13.7	160

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19	Alkane carbon-hydrogen bond activation by homogeneous rhodium(I) compounds. <i>Organometallics</i> , 1983, 2, 562-563.	2.3	156
20	Highly Selective Formation of <i>n</i> -Butanol from Ethanol through the Guerbet Process: A Tandem Catalytic Approach. <i>Journal of the American Chemical Society</i> , 2015, 137, 14264-14267.	13.7	154
21	The fall of the C-C bond. <i>Nature</i> , 1993, 364, 676-677.	27.8	150
22	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.	13.7	148
23	Cleavage of the carbon-carbon bond in biphenylene using transition metals. <i>Journal of Molecular Catalysis A</i> , 2002, 189, 157-168.	4.8	145
24	Mechanism of Carbon-Fluorine Bond Activation by (C ₅ Me ₅)Rh(PMe ₃)H ₂ . <i>Journal of the American Chemical Society</i> , 1997, 119, 7734-7742.	13.7	144
25	Catalytic Upgrading of Ethanol to <i>n</i> -Butanol via Manganese-Mediated Guerbet Reaction. <i>ACS Catalysis</i> , 2018, 8, 997-1002.	11.2	141
26	Cleavage of Carbon-Carbon Bonds in Alkyl Cyanides Using Nickel(0). <i>Organometallics</i> , 2004, 23, 3997-4002.	2.3	139
27	Experimental and Theoretical Examination of C≡N and C-H Bond Activations of Acetonitrile Using Zerovalent Nickel. <i>Journal of the American Chemical Society</i> , 2007, 129, 7562-7569.	13.7	139
28	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, 10973-10979.	13.7	136
29	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.	13.7	125
30	On the Nature of Carbon-Hydrogen Bond Activation at Rhodium and Related Reactions. <i>Inorganic Chemistry</i> , 2005, 44, 4475-4484.	4.0	124
31	Photolysis of Tp'Rh(CN-neopentyl)(.eta. ² -PhN:C:N-neopentyl) in alkanes and arenes: kinetic and thermodynamic selectivity of [Tp'Rh(CN-neopentyl)] for various types of carbon-hydrogen bonds. <i>Journal of the American Chemical Society</i> , 1993, 115, 554-562.	13.7	122
32	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, 1687-1692.	7.1	118
33	Energetics of C-H Bond Activation of Fluorinated Aromatic Hydrocarbons Using a [Tp ² Rh(CNneopentyl)] Complex. <i>Journal of the American Chemical Society</i> , 2009, 131, 13464-13473.	13.7	117
34	.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.	13.7	115
35	Catalytic C-C Bond Activation in Biphenylene and Cyclootrimerization of Alkynes: Increased Reactivity of P,N- versus P,P-Substituted Nickel Complexes. <i>Organometallics</i> , 2002, 21, 1975-1981.	2.3	115
36	Investigation of the Mechanism of Alkane Reductive Elimination and Skeletal Isomerization in Tp ² Rh(CNneopentyl)(R)H Complexes: The Role of Alkane Complexes. <i>Journal of the American Chemical Society</i> , 2001, 123, 7257-7270.	13.7	111

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55	Carbon Capture and Conversion. <i>Journal of the American Chemical Society</i> , 2020, 142, 4955-4957.	13.7	85
56	Functionalization of benzylic carbon-hydrogen bonds. Mechanism and scope of the catalytic synthesis of indoles with [Ru(dmpc)2]. <i>Organometallics</i> , 1994, 13, 385-396.	2.3	84
57	Catalytic Hydrogenolysis of Biphenylene with Platinum, Palladium, and Nickel Phosphine Complexes. <i>Organometallics</i> , 1998, 17, 4784-4794.	2.3	82
58	Energetics of Homogeneous Intermolecular Vinyl and Allyl Carbon-Hydrogen Bond Activation by the 16-Electron Coordinatively Unsaturated Organometallic Fragment [Tp-Rh(CNCH2CMe3)]. <i>Organometallics</i> , 1999, 18, 495-505.	2.3	78
59	Rhodium-Catalyzed Activation and Functionalization of the C-C Bond of Biphenylene. <i>Organometallics</i> , 2001, 20, 5745-5750.	2.3	78
60	Synthesis and Reactivity of New Ni, Pd, and Pt 2,6-Bis(di-tert-butylphosphinito)pyridine Pincer Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 9443-9453.	4.0	77
61	Deep Hydrodesulfurization in Homogeneous Solution: Access to a Transition-Metal Insertion Complex of 4,6-Dimethyldibenzothiophene. <i>Organometallics</i> , 1998, 17, 3411-3413.	2.3	75
62	Reactivity and Regioselectivity of Insertion of Unsaturated Molecules into M-C (M = Ir, Rh) Bonds of Cyclometalated Complexes. <i>Organometallics</i> , 2010, 29, 4593-4605.	2.3	75
63	Generation of Perfluoropolyphenylene Oligomers via Carbon-Fluorine Bond Activation by Cp2Zr(C6F5)2: A Dual Mechanism Involving a Radical Chain and Release of Tetrafluorobenzene. <i>Journal of the American Chemical Society</i> , 1999, 121, 10327-10331.	13.7	74
64	Steric and Electronic Effects on the Insertion of a Rhodium Phosphine Complex into the C-S Bond of Substituted Dibenzothiophenes. Homogeneous Model for the Hydrodesulfurization Process. <i>Organometallics</i> , 1996, 15, 2905-2917.	2.3	73
65	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, 9718-9719.	13.7	73
66	Homogeneous 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.	2.2	69
67	Evidence for Methane η^2 -Complexes in Reductive Elimination Reactions from Tp-Rh(L)(CH3)H. <i>Journal of the American Chemical Society</i> , 1999, 121, 3974-3983.	13.7	69
68	Catalytic Arene H/D Exchange with Novel Rhodium and Iridium Complexes. <i>Organometallics</i> , 2012, 31, 1943-1952.	2.3	66
69	Sequential arene coordination and C-F insertion in the reactions of (η^5 -pentamethylcyclopentadienyl)rhodium complexes with hexafluorobenzene. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, .	2.0	65
70	Catalytic Carbon-Carbon and Carbon-Silicon Bond Activation and Functionalization by Nickel Complexes. <i>Organometallics</i> , 1999, 18, 4660-4668.	2.3	65
71	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, 12315-12322.	13.7	64
72	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, 8548-8554.	13.7	64

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73	Thiophene carbon-sulfur bond cleavage by cobalt. Synthesis, structure, and dynamics of [(C5Me5)Co]2(C4H4S). <i>Organometallics</i> , 1992, 11, 2698-2700.	2.3	63
74	Hydrodesulfurization of Thiophene and Benzothiophene to Butane and Ethylbenzene by a Homogeneous Iridium Complex. <i>Organometallics</i> , 1997, 16, 1912-1919.	2.3	63
75	Cleavage of Carbon-Carbon Bonds of Diphenylacetylene and Its Derivatives via Photolysis of Pt Complexes: A Tuning the C-C Bond Formation Energy toward Selective C-C Bond Activation. <i>Journal of the American Chemical Society</i> , 2007, 129, 8729-8735.	13.7	63
76	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.	13.7	62
77	Carbon-fluorine bond activation of perfluorinated arenes with Cp*2ZrH2. <i>Journal of Organometallic Chemistry</i> , 2002, 658, 132-140.	1.8	59
78	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.	13.7	58
79	Mechanism of benzene loss from Tp'Rh(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.	13.7	56
80	Direct observation of η ² -arene complexes of [(C5Me5)Rh(PMe3)]. <i>Journal of the American Chemical Society</i> , 1989, 111, 8722-8723.	13.7	55
81	Carbon-Sulfur Bond Cleavage in Thiophene by Group 6 Metallocenes. <i>Organometallics</i> , 1994, 13, 4448-4452.	2.3	55
82	Evidence for the Existence of a Late-Metal Terminal Sulfido Complex. <i>Journal of the American Chemical Society</i> , 1999, 121, 4070-4071.	13.7	53
83	Catalytic Isomerization of 2-Methyl-3-butenitrile by Nickel Systems Using Bis-diphosphinoferrocene Ligands: Evidence for Hemilability. <i>Organometallics</i> , 2007, 26, 5766-5769.	2.3	53
84	Activation of Aromatic, Aliphatic, and Olefinic Carbon-Fluorine Bonds Using Cp*2HfH2. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2839-2847.	2.0	53
85	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.	4.4	52
86	Carbon-sulfur bond cleavage by cobalt. Reaction of Cp*...Co(C2H4)2 with dibenzothiophene. <i>Journal of Organometallic Chemistry</i> , 1994, 472, 311-316.	1.8	52
87	Carbon-Hydrogen and Carbon-Carbon Bond Activation of Cyclopropane by a Hydridotris(pyrazolyl)borate Rhodium Complex. <i>Organometallics</i> , 1998, 17, 4484-4492.	2.3	52
88	Activation of Sulfur- and Nitrogen-Containing Heterocycles by a Dinuclear Iridium Complex. <i>Organometallics</i> , 1999, 18, 134-138.	2.3	52
89	Formation of Phenylene Oligomers Using Platinum-Phosphine Complexes. <i>Organometallics</i> , 2001, 20, 2759-2766.	2.3	52
90	Formation of Tetrafluorobenzynes by ^η ² -Fluoride Elimination in Zirconium-Perfluorophenyl Complexes. <i>Organometallics</i> , 2002, 21, 727-731.	2.3	51

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91	η^2 -Coordination and C-H Activation of Electron-Poor Arenes. <i>Organometallics</i> , 2002, 21, 5320-5333.	2.3	50
92	Ring migration reactions of (C ₅ Me ₅)Rh(PMe ₃) ₂ . Evidence for η^3 slippage and metal-to-ring hydride migration. <i>Organometallics</i> , 1991, 10, 1577-1586.	2.3	49
93	Synthesis and structure of rhodium complexes containing a photolabile η^2 -carbodiimide ligand. 1,3-Dipolar cycloaddition of phenyl azide to Tp' ⁺ Rh(CNR) ₂ [Tp' = hydrotris(3,5-dimethylpyrazolyl)borate]. <i>Organometallics</i> , 1992, 11, 1496-1505.	2.3	49
94	Mechanistic Insights of a Concerted Metalation-Deprotonation Reaction with [Cp* ⁺ RhCl] ₂ . <i>Organometallics</i> , 2015, 34, 3400-3407.	2.3	48
95	Thermal and Photochemical Silicon-Carbon Bond Activation in Donor-Stabilized Platinum(0)-Alkyne Complexes. <i>Organometallics</i> , 2002, 21, 1190-1196.	2.3	47
96	Rhodium-Carbon Bond Energies in Tp ⁺ Rh(CNneopentyl)(CH ₂ X)H: Quantifying Stabilization Effects in M-C Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 6994-7004.	13.7	47
97	Mechanistic Insights on the Hydrodesulfurization of Biphenyl-2-thiol with Nickel Compounds. <i>Journal of the American Chemical Society</i> , 2009, 131, 4120-4126.	13.7	46
98	Palladium-Catalyzed Coupling Reactions of Biphenylene with Olefins, Arylboronic Acids, and Ketones Involving C-C Bond Cleavage. <i>Organometallics</i> , 2001, 20, 2916-2919.	2.3	45
99	Selective C-H Activation of Haloalkanes using a Rhodiumtrispyrazolylborate Complex. <i>Journal of the American Chemical Society</i> , 2009, 131, 10742-10752.	13.7	45
100	Thermodynamic Trends in Carbon-Hydrogen Bond Activation in Nitriles and Chloroalkanes at Rhodium. <i>Journal of Organic Chemistry</i> , 2009, 74, 6907-6914.	3.2	45
101	Photochemical C-H Activation and Ligand Exchange Reactions of CpRe(PPh ₃) ₂ H ₂ . Phosphine Dissociation Is Not Involved. <i>Organometallics</i> , 1999, 18, 1754-1760.	2.3	44
102	C-H and C-CN Bond Activation of Acetonitrile and Succinonitrile by [Tp ⁺ Rh(PR) ₃]. <i>Organometallics</i> , 2011, 30, 834-843.	2.3	44
103	Bond Cleavage Reactions in Oxygen and Nitrogen Heterocycles by a Rhodium Phosphine Complex. <i>Organometallics</i> , 1995, 14, 855-861.	2.3	43
104	Insertion of Elemental Sulfur and SO ₂ into the Metal-Hydride and Metal-Carbon Bonds of Platinum Compounds. <i>Organometallics</i> , 1999, 18, 227-234.	2.3	43
105	Mechanistic investigation of vinylic carbon-fluorine bond activation of perfluorinated cycloalkenes using Cp* ₂ ZrH ₂ and Cp* ₂ ZrHF. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 1122-1132.	1.7	42
106	Preparation and C-N cleavage reactions of bis[(dimethylphosphino)ethane]ruthenium isocyanide complexes. <i>Organometallics</i> , 1986, 5, 1823-1829.	2.3	41
107	Multiple η^2 -arene coordination. Structure and isomerism of naphthalene complexes of rhodium phosphine [(C ₅ Me ₅)Rh(PMe ₃)]. <i>Organometallics</i> , 1992, 11, 871-876.	2.3	39
108	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.	4.8	39

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109	Activation of B-H, Si-H, and C-F Bonds with Tp-Rh(PMe ₃) ₃ Complexes: Kinetics, Mechanism, and Selectivity. <i>Journal of the American Chemical Society</i> , 2015, 137, 1258-1272.	13.7	39
110	First examples of homogeneous hydrogenolysis of thiophene to 1-butanethiolate and ethylthioacetone ligands: synthesis and reactivity of (eta-4-C ₄ H ₅ S)ReH ₂ (PPh ₃) ₂ . <i>Journal of the American Chemical Society</i> , 1992, 114, 10767-10775.	13.7	38
111	Kinetic and Thermodynamic Selectivity of Intermolecular C-H Activation at [Tp-Rh(PMe ₃) ₃]. How Does the Ancillary Ligand Affect the Metal-Carbon Bond Strength?. <i>Journal of the American Chemical Society</i> , 2013, 135, 16198-16212.	13.7	38
112	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, 6957-6962.	7.1	35
113	Synthesis, structure, and reductive elimination in the series Tp-Rh(PR ₃)(ArF)H; Determination of rhodium-carbon bond energies of fluoroaryl substituents. <i>Dalton Transactions</i> , 2010, 39, 10495.	3.3	35
114	C-S Bond Activation of Thioesters Using Platinum(0). <i>Organometallics</i> , 2011, 30, 5147-5154.	2.3	35
115	Catalytic Dehydrogenative C-C Coupling by a Pincer-Ligated Iridium Complex. <i>Journal of the American Chemical Society</i> , 2017, 139, 8977-8989.	13.7	35
116	Control of η -2-arene coordination and C-H bond activation by cyclopentadienyl complexes of rhodium. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 266-269.	2.0	34
117	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.	4.0	34
118	Structure of Metallathiacycles: Planar vs Nonplanar Geometries. A Theoretical and Experimental Investigation. <i>Organometallics</i> , 1997, 16, 3819-3827.	2.3	34
119	Synthesis and Reactions of Cp-Linked Phosphine Complexes of Rhodium. <i>Organometallics</i> , 1998, 17, 3889-3899.	2.3	34
120	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, 6939-6944.	7.1	33
121	Controlling the Selectivity for C-H and C-CN Bond Activation at Rhodium: A DFT Examination of Ligand Effects. <i>Organometallics</i> , 2011, 30, 3371-3377.	2.3	33
122	Chelating P,N versus P,P Ligands: Differing Reactivity of Donor-Stabilized Pt(η -2-PhC(CPh)) Complexes Toward Diphenylacetylene. <i>Organometallics</i> , 2002, 21, 1118-1123.	2.3	32
123	Exploring Oxidation of Half-Sandwich Rhodium Complexes: Oxygen Atom Insertion into the Rhodium-Carbon Bond of η -2-Coordinated 2-Phenylpyridine. <i>Organometallics</i> , 2014, 33, 4442-4448.	2.3	30
124	Rapid oxidative hydrogen evolution from a family of square-planar nickel hydride complexes. <i>Chemical Science</i> , 2016, 7, 117-127.	7.4	30
125	Chemical reduction of eta-5-cyclopentadienyldicarbonylrhodium. Crystal and molecular structure of an anionic trinuclear rhodium cluster with "semi-triple-bridging" carbonyl ligands. <i>Journal of the American Chemical Society</i> , 1978, 100, 6770-6772.	13.7	28
126	Structure of [Ni(dippe)(η -5-S)] ₂ and its reaction products. The nucleophilicity of the Ni ₂ S ₂ fragment. <i>Inorganica Chimica Acta</i> , 2002, 330, 118-127.	2.4	28

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127	DFT Calculations of the Isomerization of 2-Methyl-3-butenitrile by [Ni(bisphosphine)] in Relation to the DuPont Adiponitrile Process. <i>Organometallics</i> , 2011, 30, 547-555.	2.3	28
128	Reactivity Differences of Pt ⁰ Phosphine Complexes in C≡C Bond Activation of Asymmetric Acetylenes. <i>Organometallics</i> , 2009, 28, 6524-6530.	2.3	27
129	C≡CN vs C≡H Cleavage of Benzonitrile Using [(dippe)Pt] ₂ . <i>Organometallics</i> , 2011, 30, 1523-1529.	2.3	27
130	C≡CN Bond Activation of Benzonitrile with [Rh ⁺ (dippe)] ⁺ . <i>Organometallics</i> , 2011, 30, 5604-5610.	2.3	27
131	Probing the Carbon-Hydrogen Activation of Alkanes Following Photolysis of Tp ² Rh(CNR)(carbodiimide): A Computational and Time-Resolved Infrared Spectroscopic Study. <i>Journal of the American Chemical Society</i> , 2018, 140, 1842-1854.	13.7	27
132	Preparation and characterization of rhodium pentamethylcyclopentadienyl isocyanide complexes, (C ₅ Me ₅)Rh(CNR) ₂ and [(C ₅ Me ₅)Rh(CNR)] ₂ complexes. <i>Inorganic Chemistry</i> , 1990, 29, 1505-1511.	4.0	26
133	Structural properties and inversion mechanisms of [Rh(dippe)(¹ / ₄ -SR)] ₂ complexes. <i>Inorganica Chimica Acta</i> , 2004, 357, 1836-1846.	2.4	26
134	The synthesis and structural properties of [M(dippe)(¹ / ₂ -C ₄ H ₄ S)] complexes of Pd and Pt and comparison with their Ni analog. <i>Inorganica Chimica Acta</i> , 2006, 359, 2798-2805.	2.4	26
135	Selectivity in the Oxidative Addition of C≡S Bonds of Substituted Thiophenes to the (C ₅ Me ₅)Rh(PMe ₃) Fragment: A Comparison of Theory with Experiment. <i>Inorganic Chemistry</i> , 2008, 47, 10889-10894.	4.0	26
136	A Deeper Look into Thiophene Coordination Prior to Oxidative Addition of the C≡S Bond to Platinum(0): A Computational Study Using DFT and MO Methods. <i>Organometallics</i> , 2008, 27, 53-60.	2.3	26
137	Synthesis and X-ray crystallographic characterization of substituted aryl imines. <i>Journal of Molecular Structure</i> , 2011, 992, 33-38.	3.6	26
138	Carbon-Sulfur Bond Activation of Dibenzothiophenes and Phenoxythiin by [Rh(dippe)(¹ / ₄ -H)] ₂ and [Rh ₂ (dippe) ₂ (¹ / ₄ -Cl)(¹ / ₄ -H)]. <i>Organometallics</i> , 2010, 29, 4923-4931.		25
139	C≡H Activation of Terminal Alkynes by Tris-(3,5-dimethylpyrazolyl)boraterhodiumneopentylisocyanide: New Metal-Carbon Bond Strengths. <i>Journal of the American Chemical Society</i> , 2012, 134, 9276-9284.	13.7	25
140	Mechanistic Studies of Transition Metal-Mediated C≡C Bond Activation. <i>Topics in Current Chemistry</i> , 2013, 346, 1-31.	4.0	25
141	Synthesis, Characterization, and Reactivities of Molybdenum and Tungsten PONOP Pincer Complexes. <i>Organometallics</i> , 2016, 35, 3124-3131.	2.3	24
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