

Michael K Whittlesey

List of Publications by Year in descending order

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45
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g-index

146
all docs

146
docs citations

146
times ranked

4913
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition metal catalysed reactions of alcohols using borrowing hydrogen methodology. Dalton Transactions, 2009, , 753-762.	3.3	616
2	Ruthenium-Catalyzed Meta Sulfonation of 2-Phenylpyridines. Journal of the American Chemical Society, 2011, 133, 19298-19301.	13.7	457
3	Synthesis, Electronic Structure, and Magnetism of $[\text{Ni}(\text{6-Mes})_2]^+$: 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
4	CH Activation Reactions of Ruthenium N-Heterocyclic Carbene Complexes: 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
5	C ^α -C and C ^α -H Bond Activation Reactions in N-Heterocyclic Carbene Complexes of Ruthenium. Journal of the American Chemical Society, 2002, 124, 4944-4945.	13.7	193
6	Borrowing hydrogen: a catalytic route to C ^α -C bond formation from alcohols. Chemical Communications, 2004, , 90-91.	4.1	177
7	Ruthenium Induced C ^α -N Bond Activation of an N-Heterocyclic Carbene: Isolation of C- and N-Bound Tautomers. Journal of the American Chemical Society, 2006, 128, 13702-13703.	13.7	175
8	Catalytic Hydrodefluorination of Aromatic Fluorocarbons by Ruthenium N-Heterocyclic Carbene Complexes. Journal of the American Chemical Society, 2009, 131, 1847-1861.	13.7	155
9	Catalytic Hydrodefluorination with Late Transition Metal Complexes. ACS Catalysis, 2014, 4, 3152-3159.	11.2	149
10	Abnormally Bound N-Heterocyclic Carbene Complexes of Ruthenium: C ^β -H Activation of Both C4 and C5 Positions in the Same Ligand. Angewandte Chemie - International Edition, 2007, 46, 6343-6345.	13.8	123
11	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
12	Borrowing hydrogen: iridium-catalysed reactions for the formation of C ^α -C bonds from alcohols. Organic and Biomolecular Chemistry, 2006, 4, 116-125.	2.8	104
13	C ^α -C Bond formation from alcohols using a Xantphos ruthenium complex. Tetrahedron Letters, 2006, 47, 6787-6789.	1.4	103
14	N-Alkylation of phenethylamine and tryptamine. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 535-537.	2.2	101
15	Activation of an Alkyl C ^α -H Bond Geminal to an Agostic Interaction: An Unusual Mode of Base-Induced C ^α -H Activation. Journal of the American Chemical Society, 2009, 131, 4604-4605.	13.7	89
16	Three-coordinate Nickel(I) Complexes Stabilised by Six-, Seven- and Eight-membered Ring N-Heterocyclic Carbenes: Synthesis, EPR/DFT Studies and Catalytic Activity. Chemistry - A European Journal, 2013, 19, 2158-2167.	3.3	89
17	Ni(i) and Ni(ii) ring-expanded N-heterocyclic carbene complexes: C ^α -H activation, indole elimination and catalytic hydrodehalogenation. Chemical Communications, 2010, 46, 5151.	4.1	85
18	Transient and matrix photochemistry of Fe(dmpe)2H2 (dmpe = Me2PCH2CH2Me2): dynamics of C-H and H-H activation. Journal of the American Chemical Society, 1993, 115, 8627-8637.	13.7	83

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19	Experimental and Computational Investigation of C [≡] N Bond Activation in Ruthenium N-Heterocyclic Carbene Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 18408-18416.	13.7	78
20	Catalytic Hydrodefluorination of Pentafluorobenzene by [Ru(NHC)(PPh ₃) ₂ (CO)H ₂]: A Nucleophilic Attack by a Metal-Bound Hydride Ligand Explains an Unusual <i>ortho</i> -Regioselectivity. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2783-2786.	13.8	76
21	Facile Insertion of CO ₂ into the Ru-H Bonds of Ru(dmpe) ₂ H ₂ (dmpe = Me ₂ PCH ₂ CH ₂ PMe ₂): Identification of Three Ruthenium Formate Complexes. <i>Organometallics</i> , 1996, 15, 5166-5169.	2.3	75
22	Ruthenium-catalysed conversion of 1,4-alkynediols into pyrroles. <i>Tetrahedron Letters</i> , 2007, 48, 5115-5120.	1.4	75
23	Reversible Intramolecular Alkyl C-H Bond Activation, Alcohol Dehydrogenation, and <i>trans</i> - <i>cis</i> Dihydride Isomerization in Ruthenium N-Heterocyclic Carbene Complexes. <i>Organometallics</i> , 2004, 23, 4537-4539.	2.3	73
24	Abnormal coordination of Arduengo's carbene upon reaction with M ₃ (CO) ₁₂ (M = Ru, Os). <i>Dalton Transactions</i> , 2008, , 4209.	3.3	68
25	Facile intermolecular aromatic C-F bond activation reaction of [Ru(dmpe) ₂ H ₂] (dmpe = Me ₂ PCH ₂ CH ₂ PMe ₂). <i>Journal of the American Chemical Society</i> , 2008, 130, 10784-10786.	4.1	66
26	Ruthenium-catalysed transfer hydrogenation reactions with dimethylamine borane. <i>Tetrahedron Letters</i> , 2011, 52, 6652-6654.	1.4	61
27	Neutral and Cationic Fluorinated N-Heterocyclic Carbene Complexes of Rhodium and Iridium. <i>Organometallics</i> , 2006, 25, 3761-3767.	2.3	60
28	N-Heterocyclic Carbene Stabilized <i>trans</i> -Dihydrido Aqua and Ethanol Complexes of Ruthenium: Precursors to Complexes with Ru-Heteroatom Bonds. <i>Organometallics</i> , 2003, 22, 670-683.	2.3	59
29	Activation of H ₂ over the Ru-Zn Bond in the Transition Metal-Lewis Acid Heterobimetallic Species [Ru(IPr) ₂ (CO)ZnEt] ⁺ . <i>Journal of the American Chemical Society</i> , 2016, 138, 11081-11084.	13.7	59
30	Matrix isolation and transient photochemistry of ruthenium complex Ru(dmpe) ₂ H ₂ : characterization and reactivity of Ru(dmpe) ₂ (dmpe = Me ₂ PCH ₂ CH ₂ PMe ₂). <i>Journal of the American Chemical Society</i> , 1992, 114, 7425-7435.	13.7	58
31	Synthesis, molecular structure and NMR spectroscopy of a transition-metal bifluoride complex: formation via C-F activation or reaction with Et ₃ N·3HF. <i>Chemical Communications</i> , 1997, , 187-188.	4.1	58
32	C-F bond activation of perfluoroalkenes by ruthenium phosphine hydride complexes: X-ray crystal structures of <i>cis</i> -Ru(dmpe) ₂ (F ₂ C=CF ₂) and [Ru(dcpe) ₂ H] ⁺ [(CF ₃) ₂ C=C(O)CF ₂ CF ₃] ⁻ . <i>Chemical Communications</i> , 2001, , 813-814.	4.1	58
33	Copper-NHC-Mediated Semihydrogenation and Hydroboration of Alkynes: Enhanced Catalytic Activity Using Ring-Expanded Carbenes. <i>Organometallics</i> , 2018, 37, 3102-3110.	2.3	58
34	Tripodal N-Heterocyclic Carbene Complexes of Palladium and Copper: Syntheses, Characterization, and Catalytic Activity. <i>Organometallics</i> , 2010, 29, 4097-4104.	2.3	56
35	Ruthenium Bidentate Phosphine Complexes for the Coordination and Catalytic Dehydrogenation of Amine ⁺ and Phosphine ⁻ Boranes. <i>Chemistry - A European Journal</i> , 2011, 17, 8704-8713.	3.3	56
36	Cleavage of Ru ₃ (CO) ₁₂ by N-Heterocyclic Carbenes: Isolation of <i>cis</i> - and <i>trans</i> -Ru(NHC) ₂ (CO) ₃ and Reaction with O ₂ To Form Ru(NHC) ₂ (CO) ₂ (CO ₃). <i>Organometallics</i> , 2008, 27, 100-108.	2.3	54

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37	Synthesis of furans, pyrroles and pyridazines by a ruthenium-catalysed isomerisation of alkynediols and in situ cyclisation. <i>Tetrahedron</i> , 2009, 65, 8981-8986.	1.9	54
38	Ruthenium xantphos complexes in hydrogen transfer processes: reactivity and mechanistic studies. <i>Dalton Transactions</i> , 2009, , 716-722.	3.3	53
39	Coordination, Agostic Stabilization, and C-H Bond Activation of N-Alkyl Heterocyclic Carbenes by Coordinatively Unsaturated Ruthenium Hydride Chloride Complexes. <i>Organometallics</i> , 2009, 28, 6676-6686.	2.3	52
40	Synthesis and characterization of phosphorescent two-coordinate copper(II) complexes bearing diamidocarbene ligands. <i>Dalton Transactions</i> , 2017, 46, 745-752.	3.3	52
41	Laser Flash Photolysis and Matrix Isolation Studies of Ru[R ₂ PCH ₂ CH ₂ PR ₂] ₂ H ₂ (R = C ₂ H ₅ , C ₆ H ₅ , C ₂ F ₅): Control of Oxidative Addition Rates by Phosphine Substituents. <i>Journal of the American Chemical Society</i> , 1995, 117, 10047-10054.	13.7	49
42	[Ru(NHC)(xantphos)(CO)H ₂] complexes: intramolecular C-H activation and applications in C-C bond formation. <i>Dalton Transactions</i> , 2009, , 6941.	3.3	46
43	A theoretical study of [M(PH ₃) ₄] (M = Ru or Fe), models for the highly reactive d ⁸ intermediates [M(dmpe) ₂] (dmpe = Me ₂ PCH ₂ CH ₂ PMe ₂). Zero activation energies for addition of CO and oxidative addition of H ₂ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 291-300.	1.1	45
44	Synthesis and X-ray Structural Characterization of Ru(PPh ₃) ₃ (CO)(C ₂ H ₄) and RuH(o-C ₆ H ₄ C(O)CH ₃)(PPh ₃) ₂ L (L = PPh ₃ , CO, DMSO): A Ruthenium Complexes with Relevance to the Murai Reaction. <i>Organometallics</i> , 2001, 20, 3745-3751.	2.3	45
45	PGSE Diffusion Studies on Chelating Phosphine Complexes of Ruthenium(II). Solvent Dependence and Ion Pairing. <i>Organometallics</i> , 2003, 22, 2956-2960.	2.3	45
46	Ruthenium Hydride Complexes of 1,2-Dicyclohexylimidazol-2-ylidene. <i>Organometallics</i> , 2005, 24, 5868-5878.	2.3	45
47	Stoichiometric and catalytic reactivity of the N-heterocyclic carbene ruthenium hydride complexes [Ru(NHC)(L)(CO)HCl] and [Ru(NHC)(L)(CO)H(1,2-BH ₄)] (L = NHC, PPh ₃). <i>Dalton Transactions</i> , 2008, , 2603.	3.3	45
48	Pincer Phosphine Complexes of Ruthenium: Formation of Ru(P ⁺ OP ⁻)(PPh ₃) ₃ HCl (P ⁺ OP ⁻ = Tj ETQqO O O rgBT /Overlock Ru(dppf)(PPh ₃) ₃ HCl and Characterization of Cationic Dioxygen, Dihydrogen, Dinitrogen, and Arene Coordinated Phosphine Products. <i>Inorganic Chemistry</i> , 2010, 49, 7244-7256.	4.0	45
49	C-H Bond Activation via Hydrogen Transfer to Hydride in Ruthenium N-Heterocyclic Carbene Complexes: A Density Functional and Synthetic Studies. <i>Organometallics</i> , 2006, 25, 99-110.	2.3	44
50	Synthesis and Structures of Organometallic Aqua Complexes of Ruthenium(II). <i>Organometallics</i> , 1999, 18, 4068-4074.	2.3	42
51	Computational study of the hydrodefluorination of fluoroarenes at [Ru(NHC)(PR ₃) ₂ (CO)(H) ₂]: predicted scope and regioselectivities. <i>Dalton Transactions</i> , 2013, 42, 7386.	3.3	42
52	Matrix Photochemistry of Ru(CO) ₂ (PMe ₃) ₂ H ₂ and Ru(CO) ₃ (PMe ₃) ₂ : Formation of Ru(CO) ₂ (PMe ₃) ₂ . <i>Organometallics</i> , 1995, 14, 3268-3274.	2.3	41
53	The Influence of N-Heterocyclic Carbenes (NHC) on the Reactivity of [Ru(NHC) ₄ H] ⁺ With H ₂ , N ₂ , CO and O ₂ . <i>Chemistry - A European Journal</i> , 2009, 15, 10912-10923.	3.3	41
54	Reductive Elimination at Carbon under Steric Control. <i>Journal of the American Chemical Society</i> , 2019, 141, 9823-9826.	13.7	41

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55	The reaction of $M(\text{CO})_3(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2)$ ($M = \text{Fe}, \text{Ru}$) with parahydrogen: probing the electronic structure of reaction intermediates and the internal rearrangement mechanism for the dihydride products. <i>Dalton Transactions</i> , 2004, , 3218-3224.	3.3	39
56	Formation of $[\text{Ru}(\text{NHC})_4(\text{i}^2\text{-O}_2)\text{H}]^+$: An Unusual, High Frequency Hydride Chemical Shift and Facile, Reversible Coordination of O_2 . <i>Journal of the American Chemical Society</i> , 2009, 131, 9618-9619.	13.7	38
57	Neutral and Cationic Mono- and Bis- <i>N</i> -heterocyclic Carbene Complexes Derived From Manganese and Rhenium Carbonyl Precursors. <i>Organometallics</i> , 2011, 30, 2200-2211.	2.3	38
58	Synthesis and Reactivity of $\text{Ru}(\text{PPh}_3)_3(\text{CO})\text{HF}$ and the N-Heterocyclic Carbene Derivatives $\text{Ru}(\text{NHC})(\text{PPh}_3)_2(\text{CO})\text{HF}$. <i>Organometallics</i> , 2007, 26, 3484-3491.	2.3	37
59	Computational Study of $\text{C}=\text{C}$ Activation of 1,3-Dimesitylimidazol-2-ylidene (IMes) at Ruthenium: The Role of Ligand Bulk in Accessing Reactive Intermediates. <i>Organometallics</i> , 2008, 27, 617-625.	2.3	36
60	Mechanistic Study of Ru-NHC-Catalyzed Hydrodefluorination of Fluoropyridines: The Influence of the NHC on the Regioselectivity of $\text{C}=\text{F}$ Activation and Chemoselectivity of $\text{C}=\text{F}$ versus $\text{C}=\text{H}$ Bond Cleavage. <i>ACS Catalysis</i> , 2015, 5, 776-787.	11.2	36
61	Ring-Expanded N-Heterocyclic Carbene Complexes of Ruthenium. <i>Organometallics</i> , 2010, 29, 991-997.	2.3	35
62	A Comparison of the Stability and Reactivity of Diamido- and Diaminocarbene Copper Alkoxide and Hydride Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 14075-14084.	3.3	35
63	Structure, Reactivity, and Computational Studies of a Novel Ruthenium Hydrogen Sulfide Dihydride Complex. <i>Inorganic Chemistry</i> , 2003, 42, 7695-7697.	4.0	34
64	Synthesis and Reactivity of $\text{Ru}(\text{NHC})(\text{dppp})(\text{CO})\text{H}_2$ and $\text{Ru}(\text{NHC})(\text{dppp})(\text{CO})\text{HF}$ Complexes: C-H and C-F Activation. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1774-1785.	2.0	34
65	Zn-Promoted $\text{C}=\text{H}$ Reductive Elimination and H_2 Activation via a Dual Unsaturated Heterobimetallic $\text{Ru}=\text{Zn}$ Intermediate. <i>Journal of the American Chemical Society</i> , 2020, 142, 6340-6349.	13.7	34
66	Mechanistic Studies of the Rhodium NHC Catalyzed Hydrodefluorination of Polyfluorotoluenes. <i>Organometallics</i> , 2014, 33, 6165-6170.	2.3	33
67	Stoichiometric and Catalytic Reactivity of $\text{Ni}(\text{6-Mes})(\text{PPh})_3$. <i>Organometallics</i> , 2017, 36, 1776-1783.	2.3	33
68	Experimental and Computational Studies of the Copper Borate Complexes $[(\text{NHC})\text{Cu}(\text{HBEt})_3]$ and $[(\text{NHC})\text{Cu}(\text{HB}(\text{C}_6\text{F}_5)_3)_3]$. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15539-15543.	13.8	31
69	Low-Temperature-Matrix and Room-Temperature-Solution Photochemistry of $\text{Ru}(\text{CO})_3(\text{dmpe})$ ($\text{dmpe} = \text{Tj ETQq1}$). <i>Journal of Organometallic Chemistry</i> , 2010, 889, 10-14.	2.3	30
70	Water-soluble hydroxyalkylated phosphines: examples of their differing behaviour toward ruthenium and rhodium. <i>Dalton Transactions</i> , 2004, , 4202.	3.3	29
71	Mononuclear and dinuclear complexes with a $[\text{Ru}(\text{tBu}_2\text{PCH}_2\text{CH}_2\text{PtBu}_2)(\text{CO})]$ core. <i>Dalton Transactions</i> , 2005, , 588.	3.3	29
72	Use of Ring-Expanded Diamino- and Diamidocarbene Ligands in Copper Catalyzed Azide-Alkyne Click Reactions. <i>Organometallics</i> , 2014, 33, 5882-5887.	2.3	29

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73	Ability of N-Heterocyclic Carbene Ligands to Promote Intermolecular Oxidative Addition Reactions at Unsaturated Ruthenium Centers. <i>Organometallics</i> , 2004, 23, 1857-1865.	2.3	28
74	Computational Studies of Intramolecular Carbon-Heteroatom Bond Activation of N-Aryl Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2008, 27, 938-944.	2.3	28
75	Stereoelectronic Effects in C-H Bond Oxidation Reactions of Ni(II) N-Heterocyclic Carbene Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 7160-7169.	4.0	28
76	Room Temperature Regioselective Catalytic Hydrodefluorination of Fluoroarenes with $\text{trans-[Ru(NHC)}_4\text{H}_2]$ through a Concerted Nucleophilic Ru-H Attack Pathway. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1515-1519.	13.8	28
77	Synthesis and structural characterisation of rhodium hydride complexes bearing N-heterocyclic carbene ligands. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5027-5035.	1.8	27
78	The first ring-expanded NHC-copper phosphides as catalysts in the highly selective hydrophosphination of isocyanates. <i>Chemical Communications</i> , 2020, 56, 13359-13362.	4.1	27
79	Cationic Tris N-Heterocyclic Carbene Rhodium Carbonyl Complexes: Molecular Structures and Solution NMR Studies. <i>Organometallics</i> , 2006, 25, 2642-2648.	2.3	26
80	Intramolecular C-H insertion in ring-expanded N-heterocyclic carbenes. <i>Tetrahedron Letters</i> , 2010, 51, 557-559.	1.4	26
81	Photochemical intermolecular C-H and C-F insertion of rhodium into pentafluoroanisole to generate a metallacycle; conversion to a cyclic carbene complex. <i>Chemical Communications</i> , 1996, , 961-962.	4.1	25
82	Influence of Ring-Expanded N-Heterocyclic Carbenes on the Structures of Half-Sandwich Ni(II) Complexes: An X-ray, Electron Paramagnetic Resonance (EPR), and Electron Nuclear Double Resonance (ENDOR) Study. <i>Inorganic Chemistry</i> , 2016, 55, 11006-11017.	4.0	25
83	Formation and X-ray structure of a novel water-soluble tertiary-secondary phosphine complex of ruthenium(II): $[\text{Ru}\{\text{P}(\text{CH}_2\text{OH})_3\}_2\{\text{P}(\text{CH}_2\text{OH})_2\}_2\text{Cl}_2]$. <i>Chemical Communications</i> , 1998, , 1107-1108.	4.1	24
84	Sequential Formation of $[\text{Ru}(\text{IPr})_2(\text{CO})\text{H}(\text{OH})_2]^+$ and $[\text{Ru}(\text{IPr})_6\text{C}_6\text{H}_6(\text{CO})\text{H}]^+$ upon Protonation of $[\text{Ru}(\text{IPr})_2(\text{CO})\text{H}(\text{OH})]$ (IPr = 1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene). <i>Organometallics</i> , 2009, 28, 1976-1979.	2.3	23
85	Rh-FHF and Rh-F Complexes Containing Small N-Alkyl Substituted Six-Membered Ring N-Heterocyclic Carbenes. <i>Organometallics</i> , 2014, 33, 1986-1995.	2.3	23
86	Ring-Expanded N-Heterocyclic Carbene Complexes of Rhodium with Bifluoride, Fluoride, and Fluoroaryl Ligands. <i>Organometallics</i> , 2012, 31, 8584-8590.	2.3	22
87	Synthesis and Small Molecule Reactivity of <i>trans</i> -Dihydride Isomers of $\text{Ru}(\text{NHC})_2(\text{PPh}_3)_2\text{H}_2$ (NHC = N-Heterocyclic Carbene). <i>Organometallics</i> , 2013, 32, 4927-4937.	2.3	22
88	Computation provides chemical insight into the diverse hydride NMR chemical shifts of $[\text{Ru}(\text{NHC})_4(\text{L})\text{H}]^0$ species (NHC = N-heterocyclic carbene; L = vacant,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Dalton Transactions</i> , 2017, 46, 2861-2873.	3.3	22
89	Photochemistry of $\text{Cp}^*\text{Mn}(\text{CO})_2(\text{NHC})$ ($\text{Cp}^* = \text{C}_5\text{Me}_5$) Species: Synthesis, Time-Resolved IR Spectroscopy, and DFT Calculations. <i>Organometallics</i> , 2012, 31, 4971-4979.	2.3	21
90	Copper Diamidocarbene Complexes: Characterization of Monomeric to Tetrameric Species. <i>Inorganic Chemistry</i> , 2014, 53, 2699-2707.	4.0	21

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91	Photochemical Isomerization of N-Heterocyclic Carbene Ruthenium Hydride Complexes: In situ Photolysis, Parahydrogen, and Computational Studies. <i>Journal of the American Chemical Society</i> , 2006, 128, 7452-7453.	13.7	20
92	Formation of Cyclometallated N-Heterocyclic Carbene (NHC) Complexes from LnRuCl ₂ (L = Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td). <i>Organometallics</i> , 2016, 35, 2213-2219.	2.0	20
93	[Ru(NHC)(Pâ€“P)(CO)HF] (NHC=âˆN-heterocyclic carbene; Pâ€“P=âˆxantphos, dppf) complexes: Efforts to prepare new hydrodefluorination catalysts. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 780-786.	1.8	19
94	Isolation of [Ru(IPr) ₂ (CO)H] ⁺ (IPr = Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (1,3-Bis(2,6-diisopropylphenyl)imidazol-2-ylidene)). <i>Organometallics</i> , 2016, 35, 1301-1312.	2.3	19
95	Substitution Reactions of [Ru(dppe)(CO)(H ₂ O) ₃][OTf] ₂ . <i>Inorganic Chemistry</i> , 2002, 41, 3137-3145.	4.0	18
96	Determination of metal-hydride and metal-ligand (L = CO, N ₂) bond energies using photoacoustic calorimetry. <i>Journal of the American Chemical Society</i> , 1993, 115, 1921-1925.	13.7	17
97	Synthesis and isomerisation of two metallated N,O-complexes of ruthenium: Models for the Murai reaction. <i>Inorganica Chimica Acta</i> , 2006, 359, 815-820.	2.4	17
98	Lactide polymerisation by ring-expanded NHC complexes of zinc. <i>Polyhedron</i> , 2016, 103, 121-125.	2.2	17
99	Catalytic Hydrodefluorination of Fluoroarenes Using Ru(IMe ₄) ₂ L ₂ H ₂ (IMe ₄ = Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene)). <i>Organometallics</i> , 2016, 35, 2308-2316.	2.3	17
100	Synthesis and structural characterisation of the palladium N-heterocyclic carbene cluster complexes [Pd ₃ (μ -CO) ₃ (NHC) ₃] and [Pd ₃ (μ -SO ₂) ₃ (NHC) ₃]. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 6-10.	1.8	16
101	Stoichiometric and catalytic Câ€“F bond activation by the trans-dihydride NHC complex [Ru(IEt ₂ Me ₂) ₂ (PPh ₃) ₂ H ₂] (IEt ₂ Me ₂ = 1,3-diethyl-4,5-dimethylimidazol-2-ylidene). <i>Dalton Transactions</i> , 2015, 44, 19597-19605.	3.3	16
102	Wellâ€“Defined Heterobimetallic Reactivity at Unsupported Rutheniumâ€“Indium Bonds. <i>Chemistry - A European Journal</i> , 2018, 24, 1732-1738.	3.3	16
103	Mono- and dinuclear Ni(μ) products formed upon bromide abstraction from the Ni(μ) ring-expanded NHC complex [Ni(6-Mes)(PPh ₃) ₃ Br]. <i>Dalton Transactions</i> , 2018, 47, 769-782.	3.3	16
104	Photochemical electron transfer across surfactant bilayers mediated by 2,1,3-benzothiadiazole-4,7-dicarbonitrile. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990, 86, 2897.	1.7	15
105	Comparison of the photochemistry of organometallic N-heterocyclic carbene and phosphine complexes of manganese. <i>Chemical Communications</i> , 2011, 47, 11225.	4.1	15
106	[Ni(NHC) ₂] as a Scaffold for Structurally Characterized <i>trans</i> [HâˆNiâˆPR ₂] and <i>trans</i> [R ₂ PâˆNiâˆPR ₂] Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 13221-13234.	3.3	15
107	Ethylidyne Tricobalt Nonacarbonyl: Infrared, FT-Raman, and Inelastic Neutron Scattering Spectra. <i>Journal of Physical Chemistry A</i> , 2002, 106, 5797-5802.	2.5	14
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