Kenneth G Caulton

List of Publications by Year
in descending order

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177 papers	5,764 citations	61945 43 h-index	110317 64 g-index
184 all docs	184 docs citations	184 times ranked	3425 citing authors

#	Article	IF	Citations
1	Anion metathesis and chlorination of late transition metal pincer complexes: Comparing Co, Rh and Zn. Inorganica Chimica Acta, 2021, 516, 120118.	1.2	3
2	A proton-responsive ligand becomes a dimetal linker for multisubstrate assembly via nitrate deoxygenation. Chemical Communications, 2021, 57, 2780-2783.	2.2	10
3	Back donation, intramolecular electron transfer and Nâ€“O bond scission targeting nitrogen oxyanion reduction: how can a metal complex assist?. Dalton Transactions, 2021, 50, 2149-2157.	1.6	1
4	A redox cascade of NOxâ¿ complexes: Structures and nitrogen deoxygenation thermodynamics. Polyhedron, 2021, 200, 115119.	1.0	2
5	A Redoxâ€Active Tetrazineâ€Based Pincer Ligand for the Reduction of Nâ€Oxyanions Using a Redoxâ€Inert Metal. Chemistry - A European Journal, 2021, 27, 11676-11681.	1.7	7
6	Pincers with diverse donors and their interconversion: application to Ni(II). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1524-1529.	0.6	2
7	Nickel-mediated Nâ€“N bond formation and N₂O liberation via nitrogen oxyanion reduction. Chemical Science, 2021, 12, 10664-10672.	3.7	8
8	An Integrated View of Nitrogen Oxyanion Deoxygenation in Solution Chemistry and Electrospray Ion Production. Inorganic Chemistry, 2021, 60, 17241-17248.	1.9	3
9	A Dimeric Chromium(II) Pincer as an Electron Shuttle for N=N Bond Scission. Chemistry - A European Journal, 2020, 26, 13915-13926.	1.7	3
10	Unusual Dinitrogen Binding and Electron Storage in Dinuclear Iron Complexes. Journal of the American Chemical Society, 2020, 142, 8147-8159.	6.6	24
11	A reagent for heteroatom borylation, including iron mediated reductive deoxygenation of nitrate yielding a dinitrosyl complex. Dalton Transactions, 2020, 49, 1681-1687.	1.6	15
12	The Influence of Nucleophilic and Redox Pincer Character as well as Alkali Metals on the Capture of Oxygen Substrates: The Case of Chromium(II). Chemistry - A European Journal, 2020, 26, 9547-9555.	1.7	4
13	Nitrogen oxyanion reduction by Co(<scp>ii</scp>) augmented by a proton responsive ligand: recruiting multiple metals. Dalton Transactions, 2020, 49, 7891-7896.	1.6	13
14	[Cr(pincer^{2â¿})]₂ as an electron shuttle for reductively promoted hydrazine disproportionation. Dalton Transactions, 2019, 48, 11642-11646.	1.6	5
15	Gross rearrangement of Fe(II) aggregate structure by replacement of two H+ by two Li+: Visualizing altered structure of acid versus conjugate base. Polyhedron, 2019, 174, 114152.	1.0	2
16	Selective deoxygenation of nitrate to nitrosyl using trivalent chromium and the Mashima reagent: reductive silylation. Chemical Science, 2019, 10, 475-479.	3.7	25
17	Gauging the Redox Nonâ€Innocence of a Highly Piâ€Acidic Bisâ€Tetrazine Pincer Ligand. European Journal of Inorganic Chemistry, 2019, 2019, 2535-2542.	1.0	2
18	Reductive Silylation Using a Bisâ€silylated Diazaâ€2,5â€cyclohexadiene. Chemistry - A European Journal, 2019, 25, 8105-8111.	1.7	9

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19	Reactivity of an Unusual Divalent Chromium Aggregate Supported by a Multifunctional Bis(pyrazolate) Pincer Ligand. European Journal of Inorganic Chemistry, 2019, 2019, 1932-1940.	1.0	9
20	A bis â€Pyrazolate Pincer on Reduced Cr Deoxygenates CO 2 : Selective Capture of the Derived Oxide by Cr II. Chemistry - A European Journal, 2019, 25, 7935-7940.	1.7	9
21	Multiâ€electron Reduction Capacity and Multiple Binding Pockets in Metalâ€“Organic Redox Assembly at Surfaces. Chemistry - A European Journal, 2019, 25, 5565-5573.	1.7	7
22	Di- and trivalent chromium bis(pyrazol-3-yl)pyridine pincer complexes with good leaving groups. Inorganica Chimica Acta, 2019, 486, 483-491.	1.2	11
23	A new face for bis(pyrazol-3-yl)pyridine: Incompatible geometric preferences dictates unprecedented pincer ligand connectivity. Inorganica Chimica Acta, 2019, 485, 54-57.	1.2	4
24	A Multifunctional Pincer Ligand for Cobaltâ€Promoted Oxidation by N 2 O. Chemistry - A European Journal, 2018, 24, 5962-5966.	1.7	15
25	Dehydrohalogenation of proton responsive complexes: versatile aggregation via pyrazolate pincer ligand arms. Dalton Transactions, 2018, 47, 2052-2060.	1.6	16
26	Redox-active ligand controlled selectivity of vanadium oxidation on Au(100). Chemical Science, 2018, 9, 1674-1685.	3.7	24
27	A substituent-tolerant synthetic approach to N/P-â€œloadedâ€•heteroarenes. Dalton Transactions, 2018, 47, 5938-5942.	1.6	12
28	A PNNH Pincer Ligand Allows Access to Monovalent Iron. Chemistry - A European Journal, 2018, 24, 1330-1341.	1.7	22
29	A new access route to dimetal sandwich complexes, including a radical anion. Chemical Communications, 2018, 54, 12397-12399.	2.2	5
30	Electrophile Recruitment as a Structural Element in Bisâ€Pyrazolate Pyridine Complex Aggregation. European Journal of Inorganic Chemistry, 2018, 2018, 5160-5166.	1.0	4
31	Seeking Redox Activity in a Tetrazinyl Pincer Ligand: Installing Zerovalent Cr and Mo. Inorganic Chemistry, 2018, 57, 12671-12682.	1.9	7
32	Probing Redox Noninnocence of Copper and Zinc Bisâ€pyridylpyrrolides. European Journal of Inorganic Chemistry, 2018, 2018, 4893-4904.	1.0	4
33	A multimetal-ligand cooperative approach to CO2 activation. Inorganica Chimica Acta, 2018, 483, 510-515.	1.2	2
34	Redox Isomeric Surface Structures Are Preferred over Oddâ€Electron Pt 1+. Chemistry - A European Journal, 2018, 24, 15852-15858.	1.7	7
35	Electron and Oxygen Atom Transfer Chemistry of Co(II) in a Proton Responsive, Redox Active Ligand Environment. Inorganic Chemistry, 2018, 57, 6176-6185.	1.9	9
36	A Multifunctional Pincer Ligand Supports Unsaturated Cobalt: Five Functionalities in One Pincer. Chemistry - A European Journal, 2017, 23, 8039-8050.	1.7	26

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37	Deprotonation, Chloride Abstraction, and Dehydrohalogenation as Synthetic Routes to Bisâ€Pyrazolate Pyridyl Iron(II) Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 3999-4012.	1.0	19
38	Ligand Design toward Multifunctional Substrate Reductive Transformations. Inorganic Chemistry, 2017, 56, 9505-9514.	1.9	21
39	Coordination and electronic characteristics of a nitrogen heterocycle pincer ligand. Inorganica Chimica Acta, 2016, 451, 82-91.	1.2	27
40	Tetrazine Assists Reduction of Water by Phosphines: Application in the Mitsunobu Reaction. Chemistry - A European Journal, 2016, 22, 13985-13998.	1.7	16
41	Two- and Three-Electron Oxidation of Single-Site Vanadium Centers at Surfaces by Ligand Design. Journal of the American Chemical Society, 2015, 137, 7898-7902.	6.6	37
42	A cisâ€Divacant Octahedral and Mononuclear Iron(IV) Imide. Angewandte Chemie - International Edition, 2014, 53, 14139-14143.	7.2	74
43	Multiplying the electron storage capacity of a bis-tetrazine pincer ligand. Dalton Transactions, 2014, 43, 6513-6524.	1.6	39
44	In search of redox non-innocence between a tetrazine pincer ligand and monovalent copper. Dalton Transactions, 2014, 43, 7958-7963.	1.6	11
45	Mechanistic Understanding of a Silver Pyridylpyrrolide as a Catalyst for 3 + 2 Cyclization of a Nitrile with Diazo Ester. Organometallics, 2014, 33, 1544-1552.	1.1	13
46	Transition Metal Chlorides Are Lewis Acids toward Terminal Chloride Attached to Late Transition Metals. Inorganic Chemistry, 2014, 53, 3307-3310.	1.9	17
47	Chemical Implications of Incompatible Ligand versus Metal Coordination Geometry Preferences. Inorganic Chemistry, 2014, 53, 3039-3047.	1.9	11
48	Probing the Steric and Electronic Characteristics of a New Bis-Pyrrolide Pincer Ligand. Inorganic Chemistry, 2014, 53, 1361-1369.	1.9	46
49	A tale of hydrogen abstraction, initially detectedviaX-ray diffraction. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 250-255.	0.2	1
50	Synthesis and Oxidative Reactivity of 2,2â€²-Pyridylpyrrolide Complexes of Ni(II). Inorganic Chemistry, 2013, 52, 9511-9521.	1.9	18
51	Reactivity of the terminal oxo species ((tBu2PCH2SiMe2)2N)RhO. Dalton Transactions, 2013, 42, 6745.	1.6	20
52	New Approaches to Functionalizing Metalâ€Coordinated N₂. Angewandte Chemie - International Edition, 2013, 52, 4726-4732.	7.2	33
53	2,2â€²-Pyridylpyrrolide Ligand Redistribution Following Reduction. Inorganic Chemistry, 2013, 52, 5611-5619.	1.9	20
54	BÃ¼chner Reactions Catalyzed by a Silver(I) Pyridylpyrrolide: Understanding Arene Câ•C Insertion Selectivity. Organometallics, 2013, 32, 3185-3191.	1.1	33

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55	Probing the redox non-innocence of dinuclear, three-coordinate Co(ii) nindigo complexes: not simply Î²-diketiminate variants. Chemical Communications, 2012, 48, 11082.	2.2	25
56	An iridiumâ€“pyridylpyrrolide complex exhibiting reversible binding of H2. Dalton Transactions, 2012, 41, 9619.	1.6	15
57	Systematics and Future Projections Concerning Redoxâ€Noninnocent Amide/Imine Ligands. European Journal of Inorganic Chemistry, 2012, 2012, 435-443.	1.0	115
58	An evaluation of monovalent osmium supported by the PNP ligand environment. Dalton Transactions, 2011, 40, 1105-1110.	1.6	16
59	Assessment of the Electronic Structure of 2,2â€²-Pyridylpyrrolides as Ligands. Inorganic Chemistry, 2011, 50, 8121-8131.	1.9	44
60	Three-Coordinate Ni^{II}: Tracing the Origin of an Unusual, Facile Siâ^'C(sp³) Bond Cleavage in [(^tBu₂PCH₂SiMe₂)₂N]Ni⁺. Journal of the American Chemical Society, 2011, 133, 2571-2582.	6.6	26
61	Mechanism of N/O Bond Scission of N2O by an Unsaturated Rhodium Transient. Journal of the American Chemical Society, 2011, 133, 12576-12583.	6.6	26
62	Selectivity of attack on a Siâ€“C(sp3) sigma bond coordinated to NiII. Inorganica Chimica Acta, 2011, 374, 79-87.	1.2	9
63	Evaluating the reducing power of 3-coordinate T-shaped NiI. Inorganica Chimica Acta, 2011, 369, 49-54.	1.2	6
64	Redox and Lewis Acid Reactivity of Unsaturated OsII. European Journal of Inorganic Chemistry, 2010, 2010, 4790-4800.	1.0	26
65	Ligand Influence on Metal Aggregation: a Unique Bonding Mode for Pyridylpyrrolides. Inorganic Chemistry, 2010, 49, 7626-7628.	1.9	18
66	Mechanism of Heterolysis of H₂ by an Unsaturated d⁸ Nickel Center: via Tetravalent Nickel?. Journal of the American Chemical Society, 2010, 132, 910-911.	6.6	76
67	Spin State, Structure, and Reactivity of Terminal Oxo and Dioxygen Complexes of the (PNP)Rh Moiety. Chemistry - A European Journal, 2008, 14, 7680-7686.	1.7	51
68	Reactivity of the Radical NO with a Masked Form of 14 Valence Electron (PNP)Rh: Forming Rh(0, I or II)?. European Journal of Inorganic Chemistry, 2008, 2008, 4704-4709.	1.0	8
69	[Ni{N(SiMe₂CH₂PtBu₂)₂}]⁺: Direct Observation of Transannular Sïŧ¿C(sp³) Bond Coordination. Angewandte Chemie - International Edition, 2008, 47, 9112-9114.	7.2	31
70	Mechanism of alkyne conversion to carbyne by 14- or 16-electron Os(H)2ClL2X (L=PiPr3; X=OTf or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	12
71	Coupling of terminal alkynes by RuHXL2 (X=Cl or N(SiMe3)2, L=PiPr3). Journal of Organometallic Chemistry, 2008, 693, 1664-1673.	0.8	19
72	Nitrogen-Ligated Iron Complexes: Photolytic Approach to the FeN⁺ Moiety. Inorganic Chemistry, 2008, 47, 5129-5135.	1.9	18

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73	[(tBu2PCH2SiMe2)2N]RhI? Rapidly Reversible Hâ^'C(sp3) and Hâ^'C(sp2) Bond Cleavage by Rhodium(I). Organometallics, 2008, 27, 166-168.	1.1	57
74	Redox Chemistry of the Triplet Complex (PNP)Co^I. Journal of the American Chemical Society, 2008, 130, 4262-4276.	6.6	61
75	Influence of the d-Electron Count on CO Binding by Three-Coordinate [(^tBu₂PCH₂SiMe₂)₂N]Fe, -Co, and -Ni. Inorganic Chemistry, 2008, 47, 407-409.	1.9	78
76	Bis(1,1,1,3,3,3-Hexamethyldisilazanato)-Bis(Tetrahydrofuran)Barium. Inorganic Syntheses, 2007, , 8-10.	0.3	12
77	Reactivity of Ë™NO with an osmium polyhydride: Reductive elimination and reductive nitrosylation on the path from odd- to even-electron molecules. New Journal of Chemistry, 2007, 31, 838-840.	1.4	6
78	Exploring the Reactivity of Four-Coordinate PNPCoX with Access to Three-Coordinate Spin Triplet PNPCo. Inorganic Chemistry, 2007, 46, 10321-10334.	1.9	49
79	Facile Hydrogenation of N2O by an Operationally Unsaturated Osmium Polyhydride. Journal of the American Chemical Society, 2007, 129, 8706-8707.	6.6	59
80	Metal-Dependent Reactivity Differences for Transients Formed By Flash Photolysis of (PNP)M(CO), M = Co and Rh. Journal of the American Chemical Society, 2007, 129, 15430-15431.	6.6	8
81	Influence of Chelate Substituents on the Structure and Spin State of Unsaturated [N(SiMe2CH2PtBu2)2]Ruâ^'X. Inorganic Chemistry, 2007, 46, 4612-4616.	1.9	17
82	2-Electron reduction of N2O yields a new ligand binding mode: N-Nitrosoimide. Polyhedron, 2007, 26, 4731-4736.	1.0	9
83	NO binds to unsaturated Os(IV) polyhydrides as a redox reagent. Journal of Organometallic Chemistry, 2007, 692, 3121-3132.	0.8	1
84	Reducing Power of Three-Coordinate Cobalt(I). Journal of the American Chemical Society, 2006, 128, 4248-4249.	6.6	50
85	Triple Benzylic Dehydrogenation by Osmium in an Amide Ligand Environment. Organometallics, 2006, 25, 802-804.	1.1	46
86	Cleavage of Fâ€“C(sp2) bonds by MHR(CO)(PtBu2Me)2 (M=Os and Ru; R=H, CH3 or Aryl): Product dependence on M and R. Polyhedron, 2006, 25, 459-468.	1.0	36
87	N2Provides Insight into the Mechanism of Hâ^'C(sp3) Bond Cleavage. Journal of the American Chemical Society, 2005, 127, 16780-16781.	6.6	34
88	A Facile Approach to a d4Ruâ‹®N:Â Moiety. Journal of the American Chemical Society, 2005, 127, 5330-5331.	6.6	75
89	New d4dihydrides of Ru(iv) and Os(iv) with Ï€-donor ligands: M(H)2(chelate)(PiPr3)2with chelate = ortho-XYC6H4with X, Y = O, NR; R = H or CH3. New Journal of Chemistry, 2005, 29, 193-204.	1.4	21
90	Room-temperature hydrosilylation of the CF bond of vinyl fluoride catalyzed by osmium hydrides. Journal of Molecular Catalysis A, 2004, 224, 125-131.	4.8	20

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91	Facile Insertion of Terminal Acetylenes into the RuIIâˆ'NR2Bond of a 14-Valence-Electron Complex. Organometallics, 2004, 23, 4814-4816.	1.1	18
92	Reactivity of the Hydrido/Nitrosyl Radical MHCl(NO)(CO)(PiPr3)2, M = Ru, Os. Inorganic Chemistry, 2004, 43, 351-360.	1.9	38
93	Hydrocarbyl Ligand â€œTuningâ€•of the PtII/IV Redox Potential. Inorganic Chemistry, 2004, 43, 3642-3646.	1.9	17
94	Terminal Acetylenes React to Increase Unsaturation in [(tBu2PCH2SiMe2)2N]Re(H)4. Organometallics, 2004, 23, 4934-4943.	1.1	16
95	Design and Synthesis of Tridentate Facially Chelating Ligands of the [2.n.1]-(2,6)-Pyridinophane Family. Journal of Organic Chemistry, 2003, 68, 4806-4814.	1.7	19
96	Double C(sp3) dehydrogenation as a route to coordinated Arduengo carbenes: experiment and computation on comparative Ï€-acidity. New Journal of Chemistry, 2003, 27, 1446-1450.	1.4	36
97	Conversion of Ethylene to Hydride and Ethylidyne by an Amido Rhenium Polyhydride. Organometallics, 2003, 22, 2539-2541.	1.1	42
98	Nâ€“PtIVâ€“H/Nâ€“Hâ‹¯PtII intramolecular redox equilibrium in a product of Hâ€“C(sp2) cleavage and unusual alkane/arene Câ€“H bond selectivity of ([2.1.1]pyridinophane)PtII(CH3)+Electronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b2/b207797n/. Chemical Communications, 2003, , 358-359.	2.2	29
99	Amido/phosphine pincer hydrides of ruthenium. New Journal of Chemistry, 2003, 27, 263-273.	1.4	25
100	Ï€-Donor olefin substituents alter olefin binding to CpFe(CO)2+. New Journal of Chemistry, 2003, 27, 1769-1774.	1.4	19
101	Evaluation of energies of isomeric SO2 complexesElectronic supplementary information (ESI) available: DFT geometry optimized structures of isomeric RuCl(CO)(PMe3)2HSO2. See http://www.rsc.org/suppdata/nj/b2/b212025a/. New Journal of Chemistry, 2003, 27, 680-683.	1.4	5
102	[2.1.1]-(2,6)-Pyridinophane(L)-controlled alkane Câ€“H bond cleavage: (L)PtMe2H+ as a precursor to the geometrically â€œtenseâ€•transient (L)PtMe+Electronic supplementary information (ESI) available: complete experimental and characterization data. See http://www.rsc.org/suppdata/nj/b3/b302055j/.. New Journal of Chemistry, 2003, 27, 665-667.	1.4	30
103	Facile C(sp2)/O2CR bond cleavage by Ru or Os. New Journal of Chemistry, 2003, 27, 1451-1462.	1.4	22
104	Four-Coordinate, Planar Ru(II). A Triplet State as a Response to a 14-Valence Electron Configuration. Journal of the American Chemical Society, 2003, 125, 8426-8427.	6.6	91
105	Assessing isomeric structures of pincer-ligated ruthenium and osmium polyhydrides using density functional calculations. Molecular Physics, 2002, 100, 385-395.	0.8	3
106	Conventional Lithium Bases as Unconventional Sources of Methyl Anion:â€‰ Facile Meâ€'Si and Meâ€'C Bond Cleavage in RLi, R2NLi, and BR4- by an Electrophilic Osmium Dihydride. Organometallics, 2002, 21, 4030-4049.	1.1	7
107	An Electron-Excessive Nitrosyl Complex:â€‰ Reactivity of a Ligand-Centered Radical Leading to Coordinated HNO. Inorganic Chemistry, 2002, 41, 4087-4089.	1.9	24
108	[n.1.1]-(2,6)-Pyridinophanes:Â A New Ligand Type Imposing Unusual Metal Coordination Geometries. Inorganic Chemistry, 2002, 41, 6867-6874.	1.9	16

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109	Electrophilic (Li+) acceleration of Câ€“H reductive elimination and oxidative addition reactions of Os(II)/Os(0) nitrosyl complexesElectronic supplementary information (ESI) available: full experimental and computational details. See http://www.rsc.org/suppdata/nj/b2/b200180m/. New Journal of Chemistry, 2002, 26, 498-502.	1.4	1
110	Geminal dehydrogenation of ether and amine C(sp3)H2 groups by electron-rich Ru(ii) and OsElectronic supplementary information (ESI) available: crystallographic data, fractional coordinates and isotropic thermal parameters, anisotropic thermal parameters, and bond distances and angles. See http://www.rsc.org/suppdata/nj/b2/b200168n/. New Journal of Chemistry, 2002, 26, 687-700.	1.4	57
111	Evolving approaches to integration of computational with experimental chemistry: an example from osmium hydrido (Î·1/Î·2-)nitrosyl/nitroxyl chemistry. New Journal of Chemistry, 2002, 26, 1267-1269.	1.4	3
112	Title is missing!. Angewandte Chemie, 2002, 114, 4276-4278.	1.6	1
113	A comprehensive view of Mâ€“H addition across the RCî€,CH bond: frustration culminating in ultimate union. New Journal of Chemistry, 2001, 25, 1244-1255.	1.4	56
114	Câˆ’D0 (D0 = Ï€-donor, F) Cleavage in H2CCH(D0) by (Cp2ZrHCl)n:â€‰ Mechanism, Agostic Fluorines, and a Carbene of Zr(IV). Journal of the American Chemical Society, 2001, 123, 603-611.	6.6	88
115	Facile C(sp2)/OR Bond Cleavage by Ru or Os. Inorganic Chemistry, 2001, 40, 6610-6621.	1.9	23
116	Os(H)2NO(PiPr3)2+:Â Mechanism and Energetics of a Room Temperature Reversible Ethyl/Hydridoethylene Equilibrium and Contrasting Double Insertion of Acetylene. Organometallics, 2001, 20, 2040-2046.	1.1	17
117	Factors governing the equilibrium between metalî—¸alkyl, alkylidene and alkylidyne: MCX2R, Xî—¸Mî˜…CXR and X2Mî˜†CR. Journal of Organometallic Chemistry, 2001, 617-618, 56-64.	0.8	72
118	Carbene transposition involving double dehydrogenation of an sp3 carbon. Chemical Communications, 2001, , 1158-1159.	2.2	22
119	Facile and Reversible Cleavage of Câˆ’F Bonds. Contrasting Thermodynamic Selectivity for RuCF2H vs FOsCFH. Journal of the American Chemical Society, 2000, 122, 8916-8931.	6.6	99
120	Coordinated carbenes from electron-rich olefins on RuHCl(PPr3i)2. New Journal of Chemistry, 2000, 24, 9-26.	1.4	87
121	Structural Distortions inmer-M(H)3(NO)L2(M = Ru, Os) and Their Influence on Intramolecular Fluxionality and Quantum Exchange Coupling. Inorganic Chemistry, 2000, 39, 1919-1932.	1.9	23
122	Fate of CH2CHE (E = H, OMe) in the Presence of Unsaturated Ru(X)(H)L2q+(X = Cl,q= 0; X = CO,q= 1):Â Highly Sensitive to X and E. Organometallics, 2000, 19, 2291-2298.	1.1	17
123	Cleavage of Hâˆ’C(sp2) and C(sp2)âˆ’X Bonds (X = Alkyl, Aryl, OR, NR2):â€‰ Facile Decarbonylation, Isonitrile Abstraction, or Dehydrogenation of Aldehydes, Esters, Amides, Amines, and Imines by [RuHCl(PiPr3)2]2. Organometallics, 2000, 19, 3569-3578.	1.1	58
124	A New Class of Electron-Rich Unsaturated Molecules:Â Ru2HnX4-n(PiPr3)4, X = Anion. Inorganic Chemistry, 2000, 39, 3757-3764.	1.9	28
125	Reactivity of [RuHCl(PiPr3)2]2with Functionalized Vinyl Substrates. The H2Ligand as a Sensitive Probe of Electronic Structure. Inorganic Chemistry, 2000, 39, 3749-3756.	1.9	43
126	A 14-Electron Ruthenium(II) Hydride, [RuH(CO)(PtBu2Me)2]BArâ€˜4(Arâ€˜ = 3,5-(C6H3)(CF3)2):Â Synthesis, Structure, and Reactivity toward Alkenes and Oxygen Ligands. Organometallics, 2000, 19, 2281-2290.	1.1	59

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127	New Approach to Ru(II) Pincer Ligand Chemistry. Bis(tert-butylaminomethyl)pyridine Coordinated to Ruthenium(II). Inorganic Chemistry, 2000, 39, 1593-1597.	1.9	23
128	Characterization and structure of OsH(OH)(CO)(PtBu2Me)2. Polyhedron, 1999, 18, 2575-2578.	1.0	14
129	Synthetic approaches to Fe(II) complexes of the bulky phosphine PtBu2Me. Inorganica Chimica Acta, 1999, 291, 226-230.	1.2	14
130	Dehydrohalogenation as a Source of OsHnCl(PPh3)3(n= 1, 3). Inorganic Chemistry, 1999, 38, 4168-4170.	1.9	23
131	Phosphine Dissociation Mediates Câˆ'H Cleavage of Fluoroarenes by OsH(C6H5)(CO)(PtBu2Me)2. Journal of the American Chemical Society, 1999, 121, 10895-10907.	6.6	26
132	Silyl Migration of Me3SiCCPh Coordinated to [RuH(CO)(PtBu2Me)2]BArâ€˜4Can Be Reversed:Â Synthesis and Structure of [Ru(CHC(SiMe3)(Ph))(CO)(PtBu2Me)2]BArâ€˜4. Journal of the American Chemical Society, 1999, 121, 10318-10322.	6.6	26
133	14-Electron Four-Coordinate Ru(II) Carbyl Complexes and Their Five-Coordinate Precursors:Â Synthesis, Double Agostic Interactions, and Reactivity. Journal of the American Chemical Society, 1999, 121, 8087-8097.	6.6	109
134	Electrophilic abstractions on Os(H)2X(NO)L2: selective access to new unsaturated cationic Os(II) hydrides. Inorganica Chimica Acta, 1998, 280, 125-137.	1.2	18
135	Synthesis of Zirconium Pinacolate and Mechanism of Its Thermal Transformation to ZrO2:Â Impact of a Vicinal Diol Ligand. Chemistry of Materials, 1998, 10, 2348-2357.	3.2	10
136	Hydrogen Migration and HCl Elimination Promoted by Metal-Centered Nucleophilic Attack on Osmium Hydridoâˆ'Carbynes. Organometallics, 1998, 17, 5260-5266.	1.1	34
137	Molecular Routes to Metalâˆ'Carbides, âˆ'Nitrides, and âˆ'Oxides. 3.1Chemical Vapor Deposition Employing X3Wâ‹®*CCMe3, Where X = CH2CMe3, OtBu, and OtBu-d9and *C =12C or13C, and a Comparison with the Chemistry of (tBuO)3Wâ‹®N. Chemistry of Materials, 1998, 10, 2365-2370.	3.2	21
138	Isomeric Hydrido/Vinylidene, MH(halide)(CCH2)L2, and Ethylidyne, M(halide)(Câˆ'CH3)L2(M = Os, Ru; L =) Tj ETQq0 0 0 rgBT /Overlock 1	1.1	27
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