Carl D Hoff

List of Publications by Year
in descending order

25	1,051	687363	677142
papers	citations	13 h-index	22 g-index

26	26	26	1137
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determination of N-Heterocyclic Carbene (NHC) Steric and Electronic Parameters using the [(NHC)Ir(CO)₂Cl] System. Organometallics, 2008, 27, 202-210.	2.3	541
2	Heat of reaction of the Cr(CO)3(C5Me5) radical with hydrogen and related reactions. Relative and absolute bond strengths in the complexes H-Cr(CO)2(L)(C5R5). Journal of the American Chemical Society, 1990, 112, 5657-5658.	13.7	69
3	An investigation of the homolytic dissociation of [.eta.5-C5Me5Cr(CO)3]2 and related complexes. The role of ligand substitution on the solution thermochemistry of metal-metal bond cleavage. Journal of the American Chemical Society, 1992, 114, 907-914.	13.7	68
4	Thermochemistry of Sulfur Atom Transfer. Enthalpies of Reaction of Phosphines with Sulfur, Selenium, and Tellurium, and of Desulfurization of Triphenylarsenic Sulfide, Triphenylantimony Sulfide, and Benzyl Trisulfide. Inorganic Chemistry, 1998, 37, 2861-2864.	4.0	54
5	The heats of hydrogenation of the metalâ€"metal bonded complexes [M(CO)3C5H5]2 (M = Cr, Mo, W). Journal of Organometallic Chemistry, 1985, 282, 215-224.	1.8	47
6	Thermodynamic and kinetic studies of stable low valent transition metal radical complexes. Coordination Chemistry Reviews, 2000, 206-207, 451-467.	18.8	42
7	Oxidative Addition of Butanethiol and Thiophenol to theâ€¢Cr(CO)3C5Me5Radical. Kinetic and Thermodynamic Study of a Third-Order Reaction and Its Catalysis. Journal of the American Chemical Society, 1996, 118, 5328-5329.	13.7	24
8	Thermodynamic, Kinetic, and Mechanistic Study of Oxygen Atom Transfer from Mesityl Nitrile Oxide to Phosphines and to a Terminal Metal Phosphido Complex. Inorganic Chemistry, 2011, 50, 9620-9630.	4.0	23
9	Dinuclear Gold(I) Complexes Bearing Alkyl-Bridged Bis(N-heterocyclic carbene) Ligands as Catalysts for Carboxylative Cyclization of Propargylamine: Synthesis, Structure, and Kinetic and Mechanistic Comparison to the Mononuclear Complex [Au(IPr)Cl]. Organometallics, 2020, 39, 2907-2916.	2.3	23
10	Reaction of Phenyl and Methyl Disulfide with Â·Cr(CO)3C5Me5 and HCr(CO)3C5Me5. Metal Radical and Metal Hydride Reactivity at the Sulfurâ^'Sulfur Bond. Different Mechanisms for Oxidative Addition of Alkyl and Aryl Disulfides. Inorganic Chemistry, 1997, 36, 614-621.	4.0	22
11	Thermodynamics of Ligand Binding and Exchange in Organometallic Reactions. Progress in Inorganic Chemistry, 0, , 503-561.	3.0	21
12	Thermochemical study of the Lewis acid promoted carbonyl insertion reaction. Journal of the American Chemical Society, 1986, 108, 7852-7853.	13.7	19
13	Synthesis of [Pt(SnBu^t₃)(IBu^t)(Î¼-H)]₂, a Coordinatively Unsaturated Dinuclear Compound which Fragments upon Addition of Small Molecules to Form Mononuclear Ptâ€“Sn Complexes. Inorganic Chemistry, 2016, 55, 307-321.	4.0	19
14	Stoichiometric and Catalytic Conversion of 1-Adamantyl Azide to 1-Adamantyl Isocyanate by [Cr(CO)3Cp]2 and Reaction with Mo(CO)3(PiPr3)2 To Form Mo(Îº2-iPr3Pâ•NNâ•NAd)(CO)3(PiPr3). Organometallics, 2009, 28, 3587-3590.	2.3	13
15	Kinetic and Thermodynamic Studies of Reaction of â€¢Cr(CO)3C5Me5, HCr(CO)3C5Me5, and PhSCr(CO)3C5Me5with â€¢NO. Reductive Elimination of Thermodynamically Unstable Molecules HNO and RSNO Driven by Formation of the Strong Crâ^'NO Bond. Inorganic Chemistry, 1999, 38, 6206-6211.	4.0	12
16	Direct solution calorimetric measurements of enthalpies of proton and electron transfer reactions for transition metal complexes. Thermochemical study of metal-hydride and metal-metal bond energies. Inorganica Chimica Acta, 1994, 227, 285-292.	2.4	11
17	Synthesis, structure, and thermochemistry of adduct formation between N-heterocyclic carbenes and isocyanates or mesitylnitrile oxide. Structural Chemistry, 2013, 24, 2059-2068.	2.0	11
18	Thermodynamic and Kinetic Studies of Binding Nitrogen and Hydrogen to Complexes of Chromium, Molybdenum, and Tungsten. ACS Symposium Series, 1990, , 133-147.	0.5	9

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19	Molecular Hydrogen Complexes of Mo and W. Inorganic Syntheses, 2007, , 1-8.	0.3	4
20	Thermodynamic, Kinetic, Structural, and Computational Studies of the Ph₃Snâ€“H, Ph₃Snâ€“SnPh₃, and Ph₃Snâ€“Cr(CO)₃C₅Me₅ Bond Dissociation Enthalpies. Inorganic Chemistry, 2016, 55, 10751-10766.	4.0	4
21	Reactions of Sn(Si(Bu)2Me)3 with HM(CO)3C5R5 (M = Cr or Mo, R = H or CH3) and Hg. Ionic, covalent, and Î¼-CO bonding patterns between transition metals and tin. Inorganica Chimica Acta, 2018, 469, 550-560.	2.4	4
22	Production of cis-Na₂N₂O₂ and NaNO₃ by Ball Milling Na₂O and N₂O in Alkali Metal Halide Salts. ACS Omega, 2021, 6, 18248-18252.	3.5	3
23	Ligand-Directed Reactivity in Dioxygen and Water Binding to cis-[Pd(NHC)2(Î·2-O2)]. Journal of the American Chemical Society, 2018, 140, 264-276.	13.7	2
24	The mechanism of carboxylative cyclization of propargylamine by N-heterocyclic carbene complexes of Au(I). Journal of Organometallic Chemistry, 2021, 934, 121583.	1.8	1
25	Mechanistic Pathways for N2O Elimination from trans-R3Sn-O-Nâ•N-O-SnR3 and for Reversible Binding of CO2 to R3Sn-O-SnR3 (R = Ph, Cy). Inorganic Chemistry, 2021, 60, 12075-12084.	4.0	0