

Carl D Hoff

List of Publications by Year in descending order

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25
papers

1,051
citations

687363

13
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

1137
citing authors

#	ARTICLE	IF	CITATIONS
1	The mechanism of carboxylative cyclization of propargylamine by N-heterocyclic carbene complexes of Au(I). <i>Journal of Organometallic Chemistry</i> , 2021, 934, 121583.	1.8	1
2	Production of <i>cis</i> -Na ₂ N ₂ O ₂ and NaNO ₃ by Ball Milling Na ₂ O and N ₂ O in Alkali Metal Halide Salts. <i>ACS Omega</i> , 2021, 6, 18248-18252.	3.5	3
3	Mechanistic Pathways for N ₂ O Elimination from <i>trans</i> -R ₃ Sn-O-N-O-SnR ₃ and for Reversible Binding of CO ₂ to R ₃ Sn-O-SnR ₃ (R = Ph, Cy). <i>Inorganic Chemistry</i> , 2021, 60, 12075-12084.	4.0	0
4	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]. <i>Organometallics</i> , 2020, 39, 2907-2916.	2.3	23
5	Reactions of Sn(Si-Bu) ₂ Me ₃ with HM(CO) ₃ CR ₅ (M = Cr or Mo, R = H or CH ₃) and Hg. Ionic, covalent, and 1/4-CO bonding patterns between transition metals and tin. <i>Inorganica Chimica Acta</i> , 2018, 469, 550-560.	2.4	4
6	Ligand-Directed Reactivity in Dioxygen and Water Binding to <i>cis</i> -[Pd(NHC) ₂ (1,2-O ₂)]. <i>Journal of the American Chemical Society</i> , 2018, 140, 264-276.	13.7	2
7	Thermodynamic, Kinetic, Structural, and Computational Studies of the Ph ₃ Sn-H, Ph ₃ Sn-SnPh ₃ , and Ph ₃ Sn-Cr(CO) ₃ C ₅ Me ₅ Bond Dissociation Enthalpies. <i>Inorganic Chemistry</i> , 2016, 55, 10751-10766.	4.0	4
8	Synthesis of [Pt(SnBu ₃) ₃](IBu ^t)(1,4-H) ₂ , a Coordinatively Unsaturated Dinuclear Compound which Fragments upon Addition of Small Molecules to Form Mononuclear Pt-Sn Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 307-321.	4.0	19
9	Synthesis, structure, and thermochemistry of adduct formation between N-heterocyclic carbenes and isocyanates or mesitylnitrile oxide. <i>Structural Chemistry</i> , 2013, 24, 2059-2068.	2.0	11
10	Thermodynamic, Kinetic, and Mechanistic Study of Oxygen Atom Transfer from Mesityl Nitrile Oxide to Phosphines and to a Terminal Metal Phosphido Complex. <i>Inorganic Chemistry</i> , 2011, 50, 9620-9630.	4.0	23
11	Stoichiometric and Catalytic Conversion of 1-Adamantyl Azide to 1-Adamantyl Isocyanate by [Cr(CO) ₃ Cp] ₂ and Reaction with Mo(CO) ₃ (PiPr) ₂ To Form Mo(1,2-iPr ₃ PA-NAd)(CO) ₃ (PiPr ₃). <i>Organometallics</i> , 2009, 28, 3587-3590.	2.3	13
12	Determination of N-Heterocyclic Carbene (NHC) Steric and Electronic Parameters using the [(NHC)Ir(CO) ₂ Cl] System. <i>Organometallics</i> , 2008, 27, 202-210.	2.3	541
13	Molecular Hydrogen Complexes of Mo and W. <i>Inorganic Syntheses</i> , 2007, , 1-8.	0.3	4
14	Thermodynamic and kinetic studies of stable low valent transition metal radical complexes. <i>Coordination Chemistry Reviews</i> , 2000, 206-207, 451-467.	18.8	42
15	Kinetic and Thermodynamic Studies of Reaction of Cr(CO) ₃ C ₅ Me ₅ , HCr(CO) ₃ C ₅ Me ₅ , and PhSCr(CO) ₃ C ₅ Me ₅ with CrNO. Reductive Elimination of Thermodynamically Unstable Molecules HNO and RSNO Driven by Formation of the Strong Cr-NO Bond. <i>Inorganic Chemistry</i> , 1999, 38, 6206-6211.	4.0	12
16	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. <i>Inorganic Chemistry</i> , 1998, 37, 2861-2864.	4.0	54
17	Reaction of Phenyl and Methyl Disulfide with Cr(CO) ₃ C ₅ Me ₅ and HCr(CO) ₃ C ₅ Me ₅ . Metal Radical and Metal Hydride Reactivity at the Sulfur-Sulfur Bond. Different Mechanisms for Oxidative Addition of Alkyl and Aryl Disulfides. <i>Inorganic Chemistry</i> , 1997, 36, 614-621.	4.0	22
18	Oxidative Addition of Butanethiol and Thiophenol to the Cr(CO) ₃ C ₅ Me ₅ Radical. Kinetic and Thermodynamic Study of a Third-Order Reaction and Its Catalysis. <i>Journal of the American Chemical Society</i> , 1996, 118, 5328-5329.	13.7	24

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19	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. <i>Inorganica Chimica Acta</i> , 1994, 227, 285-292.	2.4	11
20	An investigation of the homolytic dissociation of [η -5-C ₅ Me ₅ Cr(CO) ₃] ₂ and related complexes. The role of ligand substitution on the solution thermochemistry of metal-metal bond cleavage. <i>Journal of the American Chemical Society</i> , 1992, 114, 907-914.	13.7	68
21	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
22	Heat of reaction of the Cr(CO) ₃ (C ₅ Me ₅) radical with hydrogen and related reactions. Relative and absolute bond strengths in the complexes H-Cr(CO) ₂ (L)(C ₅ R ₅). <i>Journal of the American Chemical Society</i> , 1990, 112, 5657-5658.	13.7	69
23	Thermochemical study of the Lewis acid promoted carbonyl insertion reaction. <i>Journal of the American Chemical Society</i> , 1986, 108, 7852-7853.	13.7	19
24	The heats of hydrogenation of the metal- σ -metal bonded complexes [M(CO) ₃ C ₅ H ₅] ₂ (M = Cr, Mo, W). <i>Journal of Organometallic Chemistry</i> , 1985, 282, 215-224.	1.8	47
25	Thermodynamics of Ligand Binding and Exchange in Organometallic Reactions. <i>Progress in Inorganic Chemistry</i> , 0, , 503-561.	3.0	21