

Journal Publications

"Synthesis and Reactivity of Sterically-Hindered Amido-Phosphine Complexes of Rhodium and Iridium." K. R. Seipel, K. L. Myers, M. Nguyen, B. B. Twamley, A. W. Holland, *Inorg. Chem.*, manuscript in preparation.

"Kinetics of Reductive Elimination from Pt(IV) as a Probe for Non-Thermal Microwave Effects." C. Lombard, K. L. Myers, Z. H. Platt, A. W. Holland. *Organometallics*, submitted.

"Microwave-Assisted Synthesis of Phenylene-Bridged Amino-Phosphine Ligands: Acceleration of N-Arylation and Aryl Fluoride Phosphorylation Reactions." K. R. Seipel, Z. H. Platt, M. Nguyen, A. W. Holland. *J. Org. Chem.* 73, 4291-4294, 2008.

"New Fe/SiO₂ Materials Prepared Using Molecular Precursors: Synthesis, Characterization, and Catalysis." A. W. Holland, G. T. Li, Ahmed M. Shahin, G J. Long, A. T. Bell, T. D. Tilley. *J. Catal.* 235-1, 150-163, 2005.

"Effects of Phosphine Chelation on the Reactivity of Monomeric Parent Amido Complexes: Synthesis and Reactivity of Such a Complex Bearing Monodentate Ligands," A.W. Holland, R.G. Bergman, *J. Am. Chem. Soc.* 124, 14684-14695, 2002.

"Thermal Reactivity of Group 9 Transition Metal Pinacolate Complexes: Heterocumulene Cleavage and C-O Bond Formation," A.W. Holland, R.G. Bergman, *Inorg. Chim. Acta*. 341, 99-106 (special issue, invited paper), 2002.

"Heterocumulene Metathesis by Iridium Guanidinate and Ureylene Complexes: Active Catalysis Involving Reversible Insertion to Form 6-Membered Metallacycles," A.W. Holland, R.G. Bergman, *J. Am. Chem. Soc.*, 124, 9010-9011, 2002.

"Regiocontrol of Cyclometallation in a P₄Ru(II) System. Unusual Base-Induced Metallation Within a Chelate Ring Versus Activation of a Methyl Group," A.W. Holland, R.G. Bergman, *Organometallics*, 21, 2149-52, 2002.

"Formation, Reactivity, and Properties of Non-Dative Late Transition Metal-Oxygen and -Nitrogen Bonds," J.R. Fulton, A.W. Holland, D.J. Fox, R.G. Bergman, *Acc. Chem. Res.*, 35, 44-53, 2002.

"Photochemical Reactivity of Group 9 Metal Pinacolate Complexes," A.W. Holland, D.S. Glueck, R.G. Bergman, *Organometallics*, 20, 2250-2261, 2001.

"Direct Observation of C-O Reductive Elimination From Pt(IV)," B.S. Williams, A.W. Holland, K.I. Goldberg, *J. Am. Chem. Soc.*, 121, 252-253, 1999.