

## RESUME

### JOHN K.M. MOUSER, Ph.D.

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**Personal:** Birthplace: Pasadena, California

#### Teaching Experience

2003-current Seattle Pacific University, Department of Chemistry, Assistant Professor.  
2001-2003 Highline Community College, Department of Chemistry, Lecturer.  
1994-2001 University of California, Los Angeles, Department of Chemistry and Biochemistry, Lecturer and Laboratory Coordinator  
1991-1994 Instructor, University of Oregon, Department of Chemistry and Biochemistry

#### Education

1985-1991 University of Southern California, Department of Chemistry and Biochemistry  
Major Field of study: Organometallic Chemistry.  
Dissertation: Synthesis and Reactivity of Titanacyclobutenes.  
Advisor: Prof. Kenneth M. Doxsee  
Ph.D. awarded May of 1991.

1981-1985 Point Loma Nazarene College, San Diego, California  
B.A. in Chemistry awarded June, 1985.  
*Magnum Cum Laude*

#### Honors and Awards

1989 University of Southern California Chemistry Department Competition Tuition Award  
1989 University of Southern California Chemistry Department Excellence in Teaching Award  
1987 University of Southern California Chemistry Department Outstanding Teaching Award

#### Research

1986-1991 Synthesis and reactivity studies of titanium metallacycles and metalloporphyrins; with Professor Kenneth M. Doxsee, University of Southern California.  
1985-1986 Synthesis of organosilicon polymer precursors and polymer chemistry; with Professor William Weber, University of Southern California.  
1983-1985 Synthesis of substituted steroids for bile acid uptake studies in rats and potentially humans; with Dr. Dale Shellhamer, Point Loma Nazarene College.

#### Publications

“Titanocene Imido Complexes: Generation as Reactive Intermediates, Isolation, and Structural Characterization”, Doxsee, K.M.; Garner, L.C.; Juliette, J.J.; Mouser, J.K.M.; Weakley, J.R. *Tetrahedron* **1995**, 51, 4321-4332.

“Metallacyclobutene-Metallabutadiene (Vinyl Carbene Complex) Interconversions: Ring Opening of Titanacyclobutenes”, Doxsee, K. M.; Juliette, J. J.; Mouser, J. K. M. *Organometallics* **1993**, 12, 4742-4744.

“Carbometallation/Methane Elimination Reactions of Dimethyltitanocene. Formation of Titanocene Vinyl Complexes and Titanacyclobutenes”, Doxsee, K. M.; Juliette, J. J.; Mouser, J. K. M. *Organometallics* **1993**, 12, 4682-4686.

“Titanium Metallacycles as Intermediate in the Synthesis of Acyclic and Heterocycles Compounds”, Doxsee, K.M.; Mouser, J.K.M.; Farahi, J.B. *SYNLETT* **1992**, 1, 13-21.

“Titanium-Mediated Synthesis of Conjugated Dienes”, Doxsee, K. M.; Mouser, J. K. M. *Tetrahedron. Lett.* **1991**, 32, 1687-1690.

“Metal-Vinyl vs. Metal-Alkyl Insertion Reactions of Titanacyclobutenes with Nitriles”, Doxsee, K. M.; Mouser, J. K. M. *Organometallics* **1990**, 9, 3012-3014.

“Specificity of an Na<sup>+</sup>-dependent taurocholate transport site in isolated rat hepatocytes”, W. G. M. Hardison, S. Bellentani, V. Heasley, and D. Shellhamer, *Am. J. Physiol.*, **1984**, 246, G477-G483. (Synthesized five of the compounds utilized in these studies under the direction of Dr. Dale Shellhamer.)

**Interests:** hiking, camping, soccer, chess, and racquetball.