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#### Education

PhD, University of Wisconsin-Milwaukee, 1991

#### Research Areas

Biological electron transfer reactions, determination of reduction potentials via spectroscopic and voltammetric methods, voltammetric simulations, forensic science including trace metal and arson analysis

Selected references (from over 50 refereed publications)

M. Warnke, A. E. Erickson, and E. T. Smith. Arson Analysis by Static Headspace Enrichment and Gas Chromatography using Simplex Optimization. *J. Chem. Ed. Chem.*, in press.

Morgan Cable and Eugene T. Smith. Identifying the  $n = 2$  Reaction Mechanism of FAD Through Voltammetric Simulations. *Anal. Chim. Acta*, 537, 299-306 (2005).

E. T. Smith. Voltammetric Simulations of the Two Electron Transfer Reaction Mechanism ( $n = 2$ ) Coupled to Two Protons. *Current Separations*, 21, 11-13 (2004).

E. T. Smith, C. A. Davis, and M. J. Barber. Voltammetric Simulations Of Multiple Electron Transfer/Proton Coupled Reactions: FAD as a model system. *Anal. Biochem.*, 323, 114-121 (2003)

L. D. Gilles de Pelichy and E. T. Smith. Redox Properties of Mesophilic and Hyperthermophilic Rubredoxins as a Function of Pressure & Temperature. *Biochemistry*, 38, 7874-7880 (1999).

E. T. Smith. Analyzing the Role of Pressure and Temperature on Biological Electron Transfer Reactions: Cytochrome c as a Model System. *J. Amer. Chem. Soc.*, 117, 6717-6719 (1995).