CURTIS SHANNON
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Education:

1988	Ph.D. in Analytical Chemistry, University of Texas at Austin
1981	B.S. in Chemistry, California State University Fullerton

Professional Experience:

2005 – present	Professor, Department of Chemistry and Biochemistry, Auburn University
1997 – 2005	Associate Professor, Department of Chemistry and Biochemistry, Auburn University
1991 – 1997	Assistant Professor, Department of Chemistry and Biochemistry, Auburn University
1990 – 1991	Post-doctoral scientist, University of Cincinnati
1988 – 1990	Post-doctoral fellow, Fritz-Haber-Institut, Berlin, Germany

Research Interests:

Electroanalytical chemistry using chemically modified electrodes. Areas of current interest include: electrochemical atomic layer epitaxy, chemical and biological sensors, separations using nanoporous materials, electrocatalysis using polyoxometallate monolayers, SERS of biological interfaces.

Selected Publications:

Serdar Abaci and Curtis Shannon, "The Influence of Decanethiol/4-Aminothiophenol Mixed Monolayers on the Electrodeposition of Polyaniline Thin Films" *Electrochimica Acta*, **2005**, 50, 2967-2973.

Serdar Abaci, Lunsheng Zhang and Curtis Shannon, "The Influence of Counter Anions on the Underpotential Deposition of Mercury(II) on Au(111): Temperature Dependent Studies" *J. Electroanal. Chem.* **2004**, *571(2),* 169-176.

Annette R. Howells, Anand Sankarraj and Curtis Shannon, "A di-Ruthenium-substituted Polyoxometalate as an Electrocatalyst for Oxygen Generation*", J. Am. Chem. Soc. (Comm. Ed.)* **2004**, *126*, 12258-9.

Murat Alanyalioglu, Umit Demir and Curtis Shannon, "Electrochemical formation of Se atomic layers on Au(111) surfaces: the role of adsorbed selenate and selenite", *J. Electroanal. Chem.,* **2004**, *561*, 21-27.

Yongzhi Dong, Serdar Abaci, Michael J. Bozack and Curtis Shannon, "Self-Assembly and Electrochemical Desorption of Thioctic Acid Monolayers on Gold Surfaces", *Langmuir* **2003**, *19*, 8922-8926.

Igor Nicic, Jie Liang, Murat Alanyalioglu, Umit Demir and Curtis Shannon, "Underpotential Deposition of Te Monolayers on Au Surfaces from Perchloric Acid Solution Studied by Chronocoulometry and EQCM" *J. Phys. Chem. B*, **2002**, *106*, 12247-12252.

Anthony Gichuhi, B. Edward Boone, and Curtis Shannon, "Resonance Raman Scattering and Scanning Tunneling Spectroscopy of CdS Thin Films Grown by Electrochemical Atomic Layer Epitaxy–Thickness Dependent Phonon and Electronic Properties*", J. Electroanal. Chem.* **2002**, *522*, 21-25.

Y. Dong and C. Shannon, "Heterogeneous Immunosensing Using Nanometer-Scale Compositionally Patterned Antigen and Antibody Monolayers on Gold Surfaces With Electrochemical and Scanning Probe Detection", *Anal. Chem*., **2000**, *72*, 2371-2376.