

Selected Recent Papers

- Acoustic Estimation of Wildlife Abundance: Methodology for Vocal Mammals in Forested Habitats. (2009) To appear in *African Journal of Ecology*. (with M.E. Thompson, K.B. Payne, and A.K. Turkalo)
- Heard But Not Seen: An Acoustic Survey of the African Forest Elephant Population at Kakum Conservation Area, Ghana. (2009) To appear in *African Journal of Ecology*. (with M.E. Thompson and K.B. Payne)
- Improved Cell Sensitivity and Longevity in a Rapid Impedance-Based Toxicity Sensor. (2009) *Journal of Applied Toxicology*, www.interscience.wiley.com, DOI 10.1002/jat.1421. (with T.M. Curtis, L. Romeo, J. Tabb, M.W. Widder, and W.H. van der Schalie)
- Proof of Concept of a Method That Assesses the Spread of Microbial Infections with Spatially Explicit and Non-spatially Explicit Data. (2008) *International Journal of Health Geographics* 7:58. (with A.L. Rivas, K.L. Anderson, R. Lyman, and S.D. Smith)
- Robust Hypothesis Tests for Independence in Community Assembly. (2008) *Journal of Mathematical Biology*, 57:537-555. (with J. Ladau)
- Multifactorial Relationships Between Intramammary Invasion by *Staphylococcus aureus* and Bovine Leukocyte Markers. (2007) *Canadian Journal of Veterinary Research* 71(2):135-144. (with A.L. Rivas, R.N. Gonzalez, F.W. Quimby, and K.L. Anderson)
- Effect of Early Postnatal Body Weight on Femoral Head Ossification Onset and Hip Osteoarthritis in a Canine Model of Developmental Dysplasia of the Hip. (2006) *Pediatric Research* 60(5):549-554. (with W.S.V. Berg-Foels, R.J. Todhunter, and A.P. Reeves)
- Human-mediated Foot-and-mouth Disease Epidemic Dispersal: Disease and Vector Clusters. (2006) *Journal of Veterinary Medicine Series B* 53(1):1-10. (with A.L. Rivas, B. Kunsberg, G. Chowell, S.D. Smith, and J.M. Hyman)
- Quantitative Analysis of the Benefits and Risks of Consuming Farmed and Wild Salmon. (2005) *Journal of Nutrition* 135(11):2639-2643. (with J.A. Foran, D.H. Good, D.O. Carpenter, M.C. Hamilton, and B.A. Knuth)
- Early and Cost-Effective Identification of High Risk/Priority Control Areas in Foot-and-Mouth Disease Epidemics. (2004) *Journal of Veterinary Medicine Series B* 51(6):263-271. (with A.L. Rivas, S. Smith, and A. Magri)
- Global Assessment of Organic Contaminants in Farmed Salmon. (2004) *Science* 2004 January 9, 303(5655):226-229. (with R.A. Hites, J.A. Foran, D.O. Carpenter, M.C. Hamilton, and B.A. Knuth)
- Estimating Variability in Soil Organic Carbon Storage Using the Method of Statistical Differentials. (2002) *Soil Science* 167(3):194-200. (with E.A. Mikhailova)
- Use of Adaptive Cluster Sampling for Hydroacoustic Surveys. (2002) *ICES Journal of Marine Science* 59(6):1314-1325. (with M.E. Connors)