

Recent Publications

- **Kofi W. Adu**, Qixiu Li, Sharvil C. Desai, Anton N. Sidorov, Gamini U. Sumanasekera and Angela D. Lueking “Morphological, Structural, and Chemical Effects in Response of Novel Carbide Derived Carbon Sensor to NH₃, N₂O, and Air” *Langmuir* **25**, 582 (2009)
- X. M. Liu, H. E. Romero, H. R. Gutierrez, **K. Adu** and P. C. Eklund “Transparent Boron-Doped Carbon Nanotube Films” *Nano Lett.*, **8**, 2613 (2008)
- Qijie Lu, **Kofi W. Adu**, Humberto Gutiérrez, Gugang Chen, Kok-Keong Lew, Pramod Nimmatoori, Xi Zhang, Elizabeth Dickey, Joan Redwing, Peter Eklund “Raman Scattering from Si_{1-x}Ge_x Alloy Nanowires” *J. Phys. Chem. C.* **112**, 3209 (2008)
- **K.W. Adu**, Q. Xiong, H.R. Gutierrez, G. Chen, and P.C. Eklund "Raman Scattering as a Probe of Phonon Confinement and Surface Optical Modes in Semiconducting Nanowires" *Appl. Phys. A.* **85** 287 (2006)
- **K. W. Adu**, H. R. Gutierrez, P. C. Eklund “Raman-active Phonon Line Profiles in Semiconducting Nanowires” *Vibrational Spectroscopy.* **42**, 165 (2006)
- **K. W. Adu**, H. R. Gutierrez, U. J. Kim, P. C. Eklund “Inhomogeneous Laser Heating and Phonon Confinement in Silicon Nanowires. A micro-Raman Studies” *Phys. Rev. B.* **73**, 155333 (2006). *Virtual Journal of Nanoscale Science & Technology* **13(19)** (2006)
- **K. W. Adu**, H. R. Gutiérrez, U. J. Kim, G. U. Sumanasekera, P. C. Eklund “Confined Phonons in Si Nanowires” *Nano Letters*, **5(3)** 409-414 (2005)