

## Peer Reviewed Publications

1. S. Murali, T. Xu, B. D. Marshall, K. Pizarro, M. J. Kayatin, V. K. Radhakrishnan, D. Nepal, and V. A. Davis, "Lyotropic Liquid Crystalline Self-Assembly in Dispersions of Silver Nanowires and Nanoparticles," **Langmuir**, available on online under ASAP.
2. V. K. Radhakrishnan, E. W. Davis, S. W. Zagarola, V. A. Davis, "Thermal Properties of Polypropylene Nanocomposites: Effects of Carbon Nanomaterial Type and Processing," accepted pending editorial revisions, **Polymer Engineering and Science**.
3. V. K. Radhakrishnan, E. W. Davis, V. A. Davis, "Influence of Initial Mixing Methods on Melt Extruded Single-Walled Carbon Nanotube-Polypropylene Nanocomposites," *Polymer Engineering and Science*, **Polymer Engineering and Science**, available online under Early View.
4. V. A. Pedrosa, S. Paliwal, S. Balasubramanian, D. Nepal, V. A. Davis, J. Wild, James; A. Simonian, "Enzyme Modified Carbon Nanotubes for Amperometric Detection of Organophosphate Pesticides," **Colloids and Surfaces B: Biointerfaces**, 77, 69-74, (2010).
5. V. A. Davis, A. N. G. Parra-Vasquez, M. J. Green, P. K. Rai, N. Behabtu, V. Prieto, R. D. Booker, J. Schmidt, E. Kesselman, W. Zhou, H. Fan, W. W. Adams, R. H. Hauge, J. E. Fischer, Y. Cohen, Y. Talmon, R. E. Smalley, and M. Pasquali, "True Solutions of Single Walled Carbon Nanotubes for Assembly into Macroscopic Materials," **Nature Nanotechnology**, 4, 830 - 834 (2009).
6. M. J. Kayatin and V. A. Davis, "Viscoelasticity and Shear Stability of Single-Walled Carbon Nanotube/Unsaturated Polyester Resin Dispersions," **Macromolecules**, 42(17), 6624-6632 (2009).
7. V. A. Pedrosa, T. Gnanaprakasa, S. Balasubramanian, E. V. Olsen, V. A. Davis, A. L. Simonian, "Electrochemical Properties of Interface Formed by Interlaced Layers of DNA and Lysozyme-coated Single-walled Carbon Nanotubes." **Electrochemistry Communications**, 11 (7), 1401-1404 (2009).
8. B. D. Marshall, V. A. Davis, D. C. Lee, B. A. Korgel, "Rotational and Translational Diffusivities of Germanium Nanowires." **Rheologica Acta**, 48 (5), 589-596 (2009).
9. D. Nepal, S. Balasubramanian, A. Simonian, and V. A. Davis, "Mechanically Strong Antibacterial Coating: Single-Walled Carbon Nanotubes Armored with Biopolymers." **Nano Letters**, 8, 1896-1901 (2008).

10. A. N. G. Parra-Vasquez, I. Stepanek, I.; V. A Davis, V. C. Moore; E.H. Haroz, J. Shaver, R.H. Hauge, R. E. Smalley, and M. Pasquali, "Simple Length Determination of Single-Walled Carbon Nanotubes by Viscosity Measurements in Dilute Suspensions." **Macromolecules**, 40, (11), 4043-4047 (2007).
11. P. K. Rai, R. A. Pinnick, A. N. G. Parra-Vasquez, V. A. Davis, H. K. Schmidt, R. H. Hauge, R. E. Smalley and M. Pasquali, "Isotropic-Nematic Phase Transition of Single-Walled Carbon Nanotubes in Strong Acids." **Journal of the American Chemical Society**, 128, 591-595 (2006).