11. MRSEC Supported Publications and Patents
(May 1, 2005 - April 30, 2006)

Publications resulting from PRIMARY MRSEC Support

IRG 1 - Microstructured Polymers


Zhang, J.; Lodge, T.P.; Macosko, C.W. Interfacial Morphology Development During a Polymer-Polymer Coupling Reaction. Macromolecules, 2005, 38, 6586.


**IRG 2 – Crystalline Organic Semiconductors**


**IRG 3 - Magnetic Heterostructures**


Seed

Publications resulting from PARTIAL MRSEC Support

**IRG 1 - Microstructured Polymers**


**IRG 2 – Crystalline Organic Semiconductors**


**IRG 3 - Magnetic Heterostructures**


McGary, P.D.; **Stadler, B.J.H.** *Electrochemical Deposition of Fe<sub>1-x</sub>Ga<sub>x</sub> Nanowire Arrays.* J. Appl. Phys. 2005, 97, 10R503.


**Proto-IRG (Nanoparticle-Based Materials)**


Seed


Publications resulting from the USE OF SHARED FACILITIES

IRG 1 - Microstructured Polymers


Chastek, T.T.; Stein, A.; Macosko, C.W. Hexadecyl-Functionalized Lamellar Mesostructured Silicates and Alumino Silicates Designed for Polymer-Clay Nanocomposites. Part II: Dispersion in Organic Solvents and in Polystyrene. Polymer, 2005, 46, 4431. (Cross-referenced under Seed)


范 типа, Л.Е.; Williams, С.К.; Young, В.Г.; Hillmyer, M.A.; Tolman, W.B. Comparison of Structurally Analogous Zn₂, Co₂, and Mg₂ Catalysts for the Polymerization of Cyclic Esters. Dalton Trans. 2006, 928.


**IRG 2 – Crystalline Organic Semiconductors**


**IRG 3 – Magnetic Heterostructures**


Proto-IRG (Nanoparticle-Based Materials)


Seed


Chastek, T.T.; Stein, A.; Macosko, C. Hexadecyl-Functionalized Lamellar Mesostructured Silicates and Alumino Silicates Designed for Polymer-Clay Nanocomposites. Part II: Dispersion in Organic Solvents and in Polystyrene. Polymer, 2005, 46, 4431. (Cross-referenced under IRG 1)


MRSEC Supported Patents

The following patents were based on work related to MRSEC programs, but the personnel performing work that directly produced these patents were supported by other sources. These patents, however, benefited from the general intellectual environment of the MRSEC and the access to Shared Facilities, with user fees charged according to University and Federal guidelines.

