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## Soft Condensed Matter and Biophysics

Orientation and Crystallization of Natural Rubber Network as Revealed by WAXD Using Synchrotron Radiation
M. Tosaka, S. Murakami, S. Poompradub, S. Kohjiya, Y. Ikeda, S. Toki, I. Sics, and B.S. Hsiao

Tuning Substrate Surface Energies for Blends of Polystyrene and Poly (Methyl Methacrylate)
D.A. Winesett, S. Story, J. Luning, and H. Ade

Block Copolymer Domain Reorientation in an Electric Field: An *In-Situ* Small-Angle X-ray Scattering Study
T. Xu, J. DeRouchey, T. Thurn-Albrecht, T.P. Russell, and R. Kolb

Time-Resolved Small-Angle X-ray Scattering Study of the Kinetics of Disorder-Order Transition in a Triblock Copolymer in a Selective Solvent for the Middle Block
H. Nie, R. Bansil, K. Ludwig, M. Steinhart, C. Konak, and J. Bang

Low-Density Polymer Thin Film Formation in Supercritical Carbon Dioxide
T. Koga, Y.-S. Seo, J.L. Jerome, S. Ge, M.H. Rafailovich, J.C. Sokolov, B. Chu, O.H. Seeck, M. Tolan, and R. Kolb

Shear-Induced Crystallization Precursor Studies in Model Polyethylene Blends by *In-Situ* Rheo-SAXS and Rheo-WAXD
L. Yang, R.H. Somani, I. Sics, B.S. Hsiao, R. Kolb, H. Fruitwala, and C. Ong

Influence of Crystallization Conditions on the Microstructure and Electromechanical Properties of Poly(Vinylidene Fluoride-Trifluoroethylene-Chlorofluoroethylene) Terpolymers
R.J. Klein, J. Runt, and Q.M. Zhang