

10.569 Synthesis of Polymers
Prof. Paula Hammond
Lecture 34: Inorganic Polymer Synthesis.

This lecture presented material covered in the following journal articles and reviews.

Photorefractive Polymers

Yu, L. P. "Lessons Learned From Research on Photorefractive Polymers and Molecular Materials," *Journal of Polymer Science Part A-Polymer Chemistry* 39, no. 15 (August 1, 2001): 2557-2564.

Bao, Z. N., and L. P. Yu. "Recent Progress in the Synthesis and Applications of Porphyrin-Containing Polymers as Electronic and Photonic Materials." *Trends in Polymer Science* 3, no. 5 (May 1995): 159-164.

Polyphosphazenes

Gleria, M., and R. De Jaeger. "Polyphosphazenes: A Review." *New Aspects in Phosphorus Chemistry V Topics in Current Chemistry* 250 (2005): 165-251.

Polysilanes

Fujiki, M., J. R. Koe, K. Terao, T. Sato, A. Teramoto, and J. Watanabe. "Optically Active Polysilanes. Ten Years of Progress and New Polymer Twist for Nanoscience and Nanotechnology." *Polymer Journal* 35, no. 4 (2003): 297-344.

Tachibana, H., and Y. Tokura. "Optical-Properties of Polysilanes and Related Materials." *Synthetic Metals* 71, nos. 1-3 (April 1, 1995): 2005-2008.