

Materials Chemistry McElvain Seminar



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Photocontrolled Cationic Polymerizations

Photoinitiated cationic polymerizations are widely used in industrial processes; however, these methods do not enable precise regulation of polymer chain-growth with light. The ability to gain photocontrol over monomer addition in cationic polymerizations would expand the utility of these methods and allow the synthesis of novel complex architectures. This presentation will detail the development of a cationic polymerization regulated by visible light. These polymerizations proceed under mild conditions and allow for the synthesis of various poly(vinyl ether)s with good control over molecular weights, narrow dispersities, and excellent chain-end fidelities.

Monday, April 10th, 3:30 pm
Chemistry 1315 –Seminar Hall



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