



软物质系列报告

报告题目:

Pd-initiated Polymerization of Diazoacetates: New Synthetic Strategy for C-C Main Chain Polymers

报告人: Prof. Eiji Ihara
(Ehime University)

报告时间: 2017年10月27日周五 上午11:00

报告地点: 北京大学化学学院 A717



Biography

Prof. Eiji Ihara is a Professor in Department of Materials Science and Biotechnology and Graduate School of Science and Engineering. He has won the Award for Encouragement of Research in Polymer Science (The Society of Polymer Science, Japan) in 1990. He is now a member of The American Chemical Society, The Chemical Society of Japan, The Society of Polymer Science (Japan), The Society of Synthetic Organic Chemistry (Japan) and The Society of Fiber Science and Technology (Japan). He has published more than 90 works in *J. Am. Chem. Soc.*, *Angew. Chem., Int. Ed.*, *Macromolecules*, *Polymer Chemistry* and *Polymer*.

Abstract

As a synthetic method for C-C main chain polymers, polymerization of diazoacetates has attracted attention recently. The lecture mainly contains (1) Polymerization of diazoacetates to afford poly(alkoxycarbonylmethylene)s by the initiation with Cu or Pd complexes, respectively, (2) Rh-initiated polymerization of ethyl diazoacetate (EDA), (3) Pd-based initiating systems, (4) The structural characteristics of poly(alkoxycarbonylmethylene)s, and (5) Method to development of a new type of functional polymeric materials.

