



Polymer Vol 76, 12 October 2015

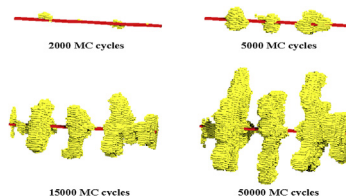
Graphical abstracts

POLYMER PAPERS

**Nucleation details of nanohybrid shish-kebabs in polymer solutions studied by molecular simulations**

pp. 1–7

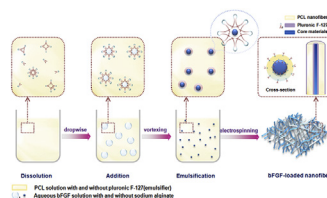
Yijing Nie, Rongjian Zhang, Kaishan Zheng and Zhiping Zhou\*



**Basic fibroblast growth factor-encapsulated PCL nano/microfibrous composite scaffolds for bone regeneration**

pp. 8–16

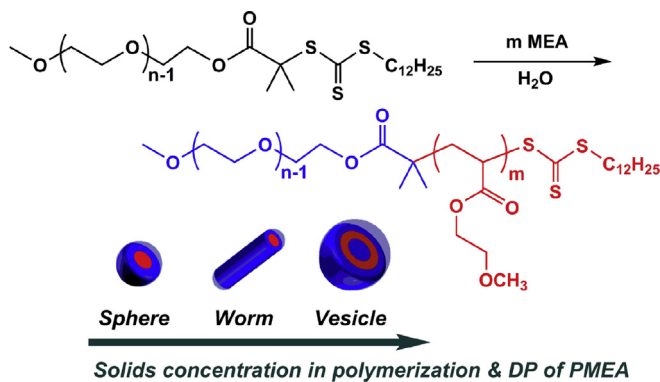
Ko Eun Park, Beom Su Kim, Min Hee Kim, Hyung Keun You, Jun Lee\*\* and Won Ho Park\*



**In situ nano-objects via RAFT aqueous dispersion polymerization of 2-methoxyethyl acrylate using poly(ethylene oxide) macromolecular chain transfer agent as steric stabilizer**

pp. 17–24

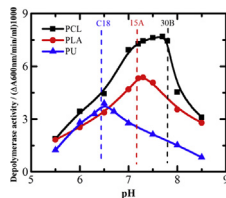
Shinji Sugihara\*, Akmal Hadi Ma'Radzi, Shota Ida, Satoshi Irie, Takamaru Kikukawa and Yasushi Maeda



### Understanding the controlled biodegradation of polymers using nanoclays

Sunil Kumar and Pralay Maiti\*

pp. 25–33

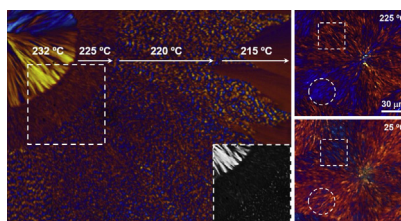


Depolymerase activity of lipase *Pseudomonas cepacia* towards three different polymers as indicated as a function of pH of the medium. The vertical lines indicate the pH of the nanoclay dispersion which also matches with the highest degradation rate of three different polymers.

### Reversible changes induced by temperature in the spherulitic birefringence of nylon 6 9

Sara K. Murase, María Teresa Casas, Juan Carlos Martínez, Francesc Estrany, Lourdes Franco\*\* and Jordi Puiggali\*

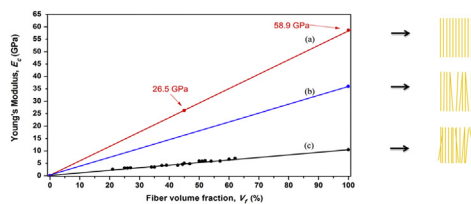
pp. 34–45



### High performance co-polyimide nanofiber reinforced composites

Jian Yao, Guang Li, Cees W.M. Bastiaansen and Ton Peijs\*

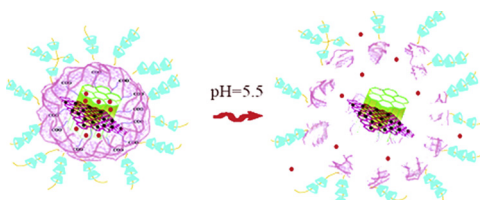
pp. 46–51



### Chitosan based supramolecular polypseudorotaxane as a pH-responsive polymer and their hybridization with mesoporous silica-coated magnetic graphene oxide for triggered anticancer drug delivery

Ali Pourjavadi\*, Zahra Mazaheri Tehrani and Safura Jokar

pp. 52–61



Download English Version:

<https://daneshyari.com/en/article/5180027>

Download Persian Version:

<https://daneshyari.com/article/5180027>

[Daneshyari.com](https://daneshyari.com)