

Polymer Vol. 50, No. 18, 26 August 2009

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FEATURE ARTICLE

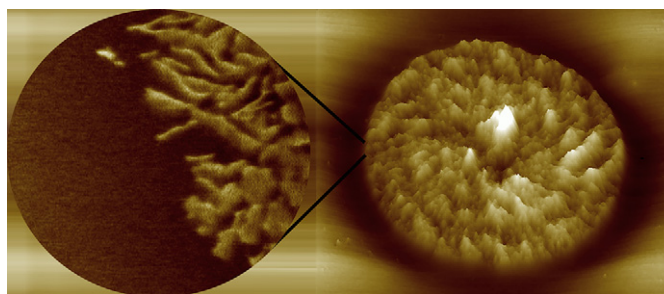
How atomic force microscopy has contributed to our understanding of polymer crystallization

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POLYMER PAPERS

Preparation of Ni-g-polymer core-shell nanoparticles by surface-initiated atom transfer radical polymerization

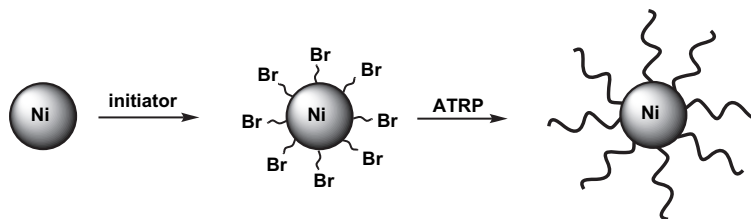
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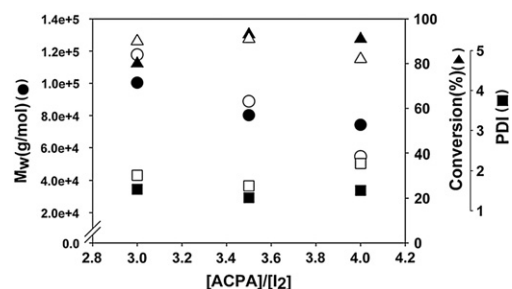


Emulsion polymerization of methyl methacrylate using the reverse iodine transfer polymerization (RITP) technique

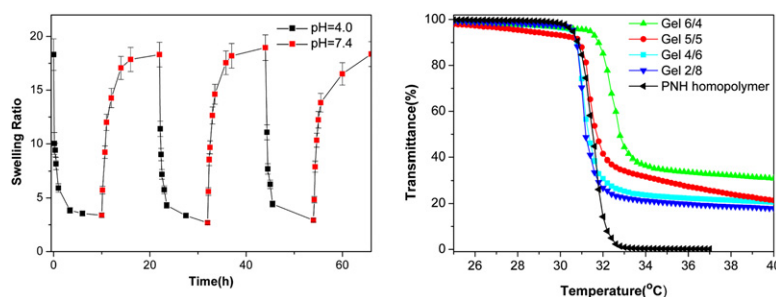
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Hong Choul Shin, Hyung Geun Oh, Kangseok Lee, Byung H. Lee, Soonja Choe*

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**Synthesis of biodegradable thermo- and pH-responsive hydrogels for controlled drug release**

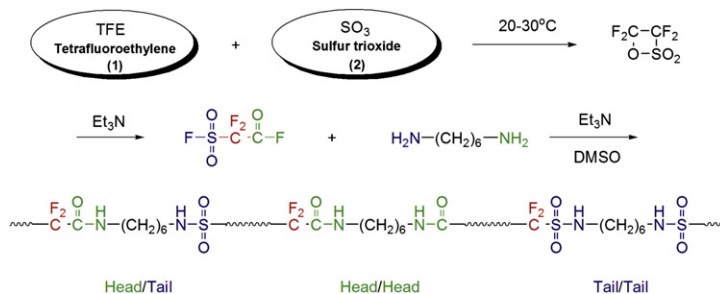
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Changwen Zhao^{a,b}, Xiuli Zhuang^{a,c,*}, Pan He^{a,b}, Chunsheng Xiao^{a,b}, Chaoliang He^a, Jingru Sun^a, Xuesi Chen^{a,*}, Xiabin Jing^a^a State Key Laboratory of Polymer Physics and Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, PR China^b Graduate School of Chinese Academy of Sciences, Beijing 100039, PR China^c Department of Applied Chemistry, Waseda University, Tokyo 169-8555, Japan**Synthesis and characterization of fluoropoly(amide-sulfonamide)s via polycondensation**

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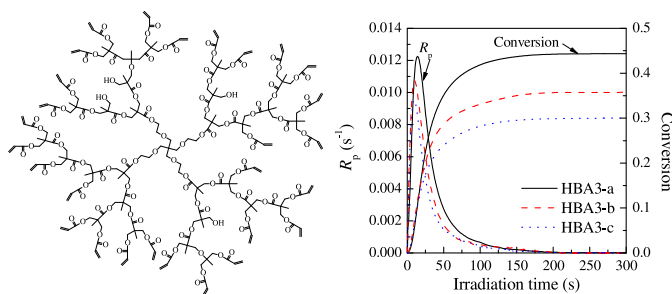
School of Chemistry and Chemical Engineering, Shanghai Jiao Tong University, Shanghai 200240, People's Republic of China

**Self-initiated photopolymerization of hyperbranched acrylates**

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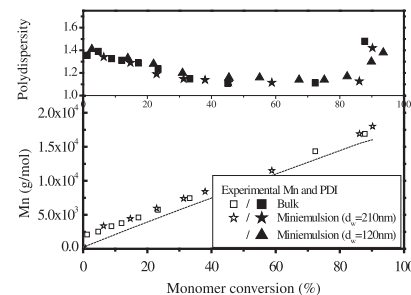
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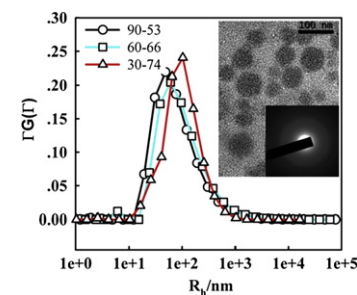


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Lei Yang^b, Yingwu Luo^{a,*}, Xinzhi Liu^a, Bogeng Li^a^a The State Key Laboratory of Chemical Engineering, Department of Chemical and Bio-Chemical Engineering, Zhejiang University, Hangzhou 310027, PR China^b Key laboratory of Advance Textile Materials and Manufacturing Technology, Ministry of Education, College of Materials and Textiles, Zhejiang Sci-Tech University, Hangzhou 310018, Zhejiang, PR China**Preparation and self-assembly of amphiphilic triblock copolymers with polyrotaxane as a middle block and their application as carrier for the controlled release of Amphotericin B**

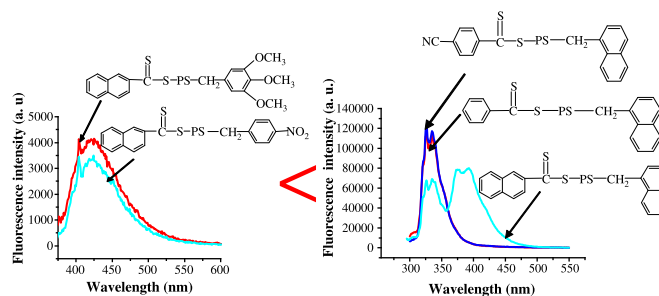
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Xiaowen Zhang^a, Xingqi Zhu^b, Fuyou Ke^b, Lin Ye^a, Er-qiang Chen^b, Ai-ying Zhang^a, Zeng-guo Feng^{a,*}^a School of Materials Science and Engineering, Beijing Institute of Technology, Beijing 100081, China^b College of Chemistry and Molecular Engineering, Peking University, 100190, China**RAFT polymerization of styrene mediated by naphthalene-containing RAFT agents and optical properties of the polymers**

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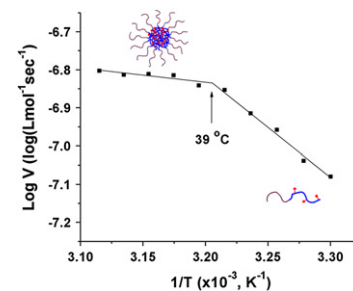
Provincial Key Laboratory of Organic Synthesis, College of Chemistry, Chemical Engineering and Materials Science of Soochow University, Suzhou 215006, China

**Catalytic activity of a thermosensitive hydrophilic diblock copolymer-supported 4-*N,N*-dialkylaminopyridine in hydrolysis of *p*-nitrophenyl acetate in aqueous buffers**

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Thomas G. O'Lenick, Xiaoming Jiang, Bin Zhao^{*}

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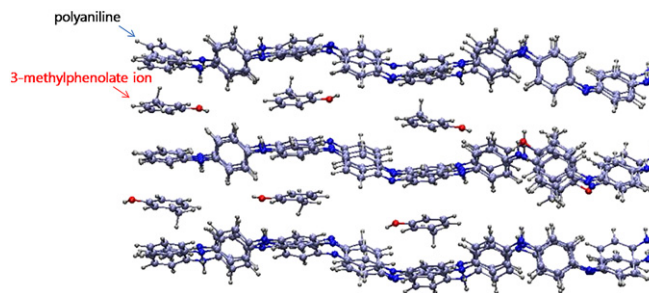
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Polymorphic crystallization of fractionated microbial medium-chain-length polyhydroxyalkanoates

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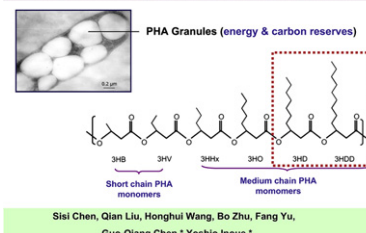
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Polymorphic crystallization of fractionated microbial medium-chain-length Polyhydroxyalkanoates



Spider-net within the N6, PVA and PU electrospun nanofiber mats using salt addition: Novel strategy in the electrospinning process

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Faheem A. Sheikh^d, Hak Yong Kim^{e,**}

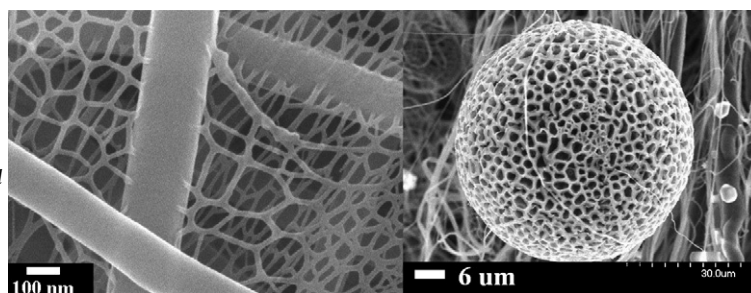
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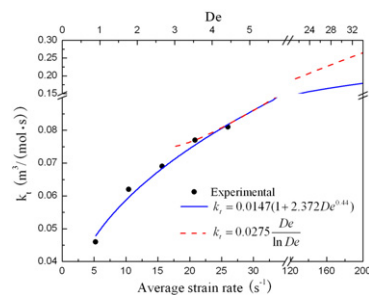
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Rheokinetic study on homogeneous polymer reactions in melt state under strong flow field

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