

Polymer Vol. 50, No. 11, 22 May 2009

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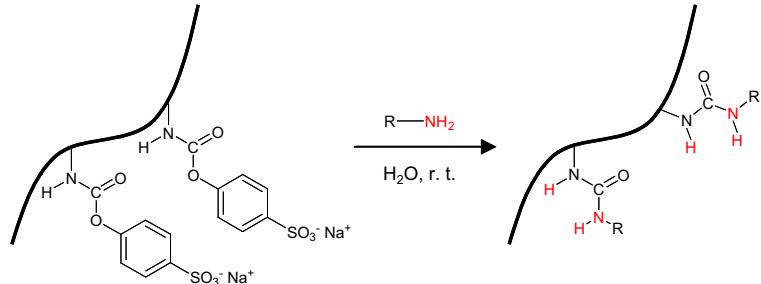
POLYMER PAPERS

Synthesis and characterization of a methacrylic polyelectrolyte capable of reacting with primary amines at room temperature in water

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PTPFCBBMA-*b*-PEG-*b*-PTPFCBBMA amphiphilic triblock copolymer: Synthesis and self-assembly behavior

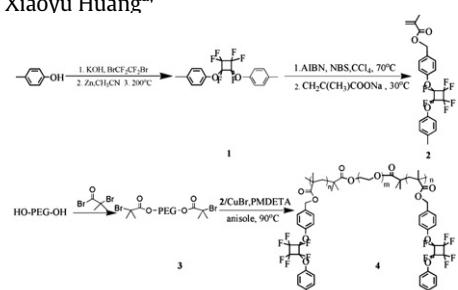
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Liang Tong^a, Zhong Shen^a, Dong Yang^b, Sheng Chen^c, Yongjun Li^a, Jianhua Hu^{b,**}, Guolin Lu^a, Xiaoyu Huang^{a,*}

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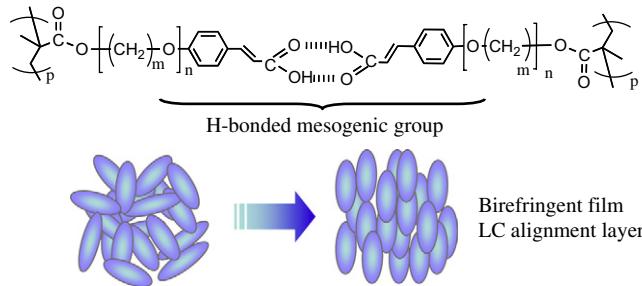


Influence of alkylene spacer length on photoinduced molecular reorientation and LC alignment behavior in photo-cross-linkable liquid crystalline polymeric films with H-bonded cinnamic acid side groups

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Synthesis and characterization of fluorescein isothiocyanate (FITC)-labeled PEO-PCL-PEO triblock copolymers for topical delivery

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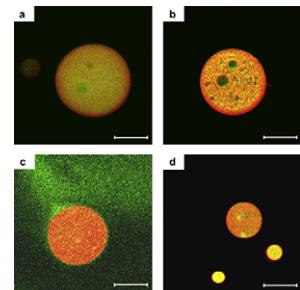
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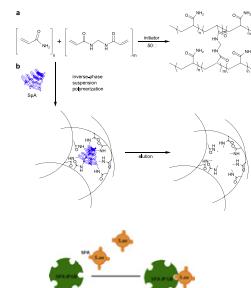
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Jian Pan^a, Xiuheng Xue^{a,*}, Juhua Wang^b, Huiming Xie^a, Zeyu Wu^a

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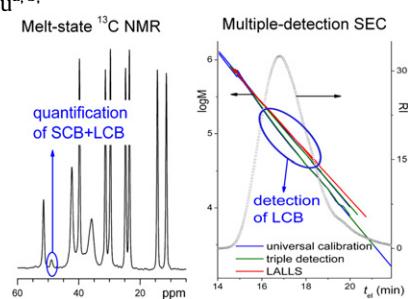
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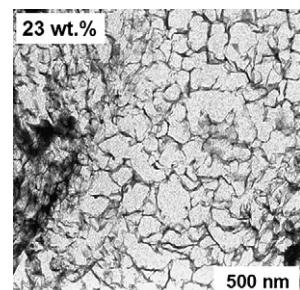
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Patrice Castignolles^{a,b}, Robert Graf^a, Matthew Parkinson^a, Manfred Wilhelm^a, Marianne Gaborieau^{a,b,*}

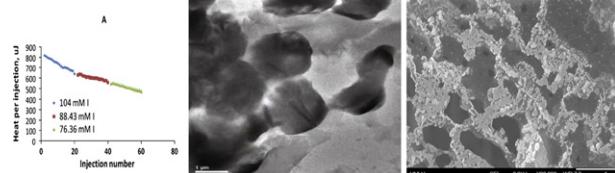
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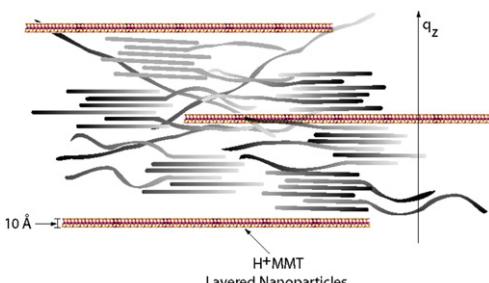
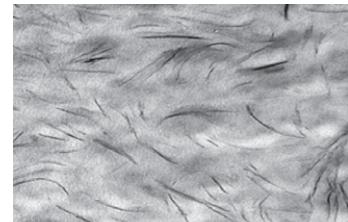
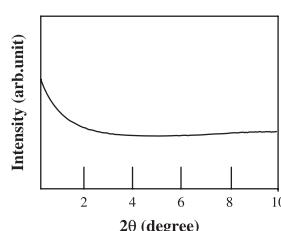


Nafion–clay hybrids with a network structure**pp 2384–2392**Engin Burgaz^a, Huiqin Lian^{a,b}, Rafael Herrera Alonso^a, Luis Estevez^a, Antonios Kelarakis^a, Emmanuel P. Giannelis^{a,*}^a Department of Materials Science and Engineering, Bard Hall, Cornell University, Ithaca, NY 14853, United States^b Department of Chemical Engineering and Polymer Science, Yanbian University, Yanji City, Jilin 133002, China**Isothermal titration calorimetry, transmission electron microscopy, and field emission scanning electron microscopy of a main-chain viologen polymer containing bromide as counterions****pp 2393–2401**Pradip K. Bhowmik^{a,*}, Marcos A. Cheney^b, Robin Jose^c, Haesook Han^a, Arghya Banerjee^d, Longzhou Ma^e, Lee D. Hansen^f^a Department of Chemistry, University of Nevada Las Vegas, 4505 Maryland Parkway, Box 454003, Las Vegas, NV 89154, USA^b Department of Natural Sciences, University of Maryland Eastern Shores, Carver Hall, Room 1103, Princess Ann, MD 21853, USA^c Department of Chemistry, Rocky Mountain College,

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^d Department of Aerospace Engineering Sciences, University of Colorado, 429 UCB, Boulder, CO 80309, USA^e Harry Center for Environmental Studies, University of Nevada Las Vegas 4505 Maryland Parkway, Las Vegas, Box 454009, NV 89154, USA^f Department of Chemistry and Biochemistry, Brigham Young University, Provo, UT 84602, USA**Nafion–clay nanocomposite membranes: Morphology and properties****pp 2402–2410**Rafael Herrera Alonso, Luis Estevez, Huiqin Lian, Antonios Kelarakis, Emmanuel P. Giannelis^{*}

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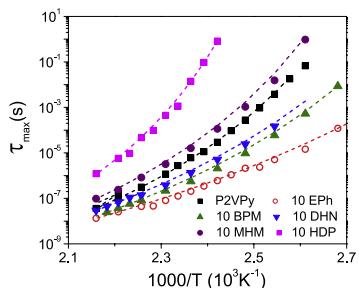
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Pornpen Atorngitjawat, Robert J. Klein, Amanda G. McDermott, Kevin A. Masser,
Paul C. Painter, James Runt*

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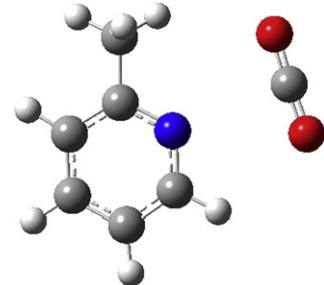
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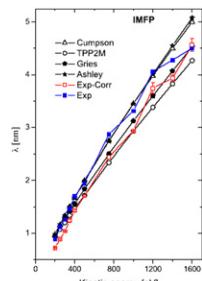
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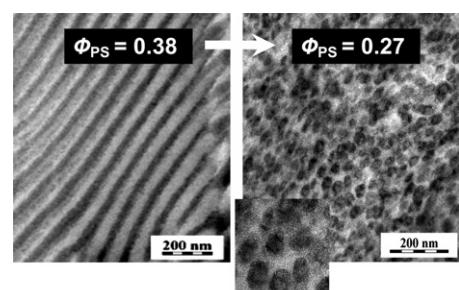


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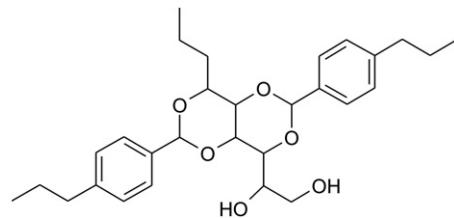


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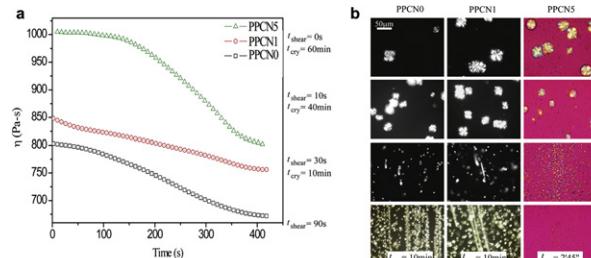
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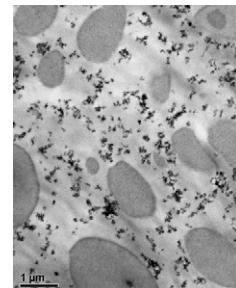


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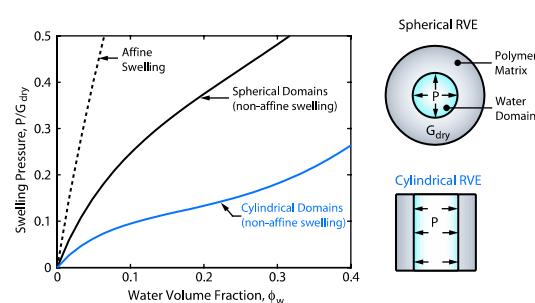


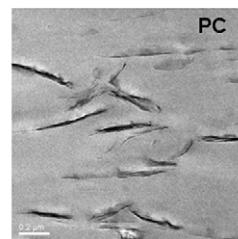
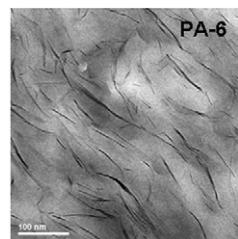
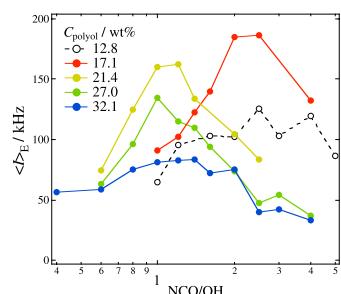
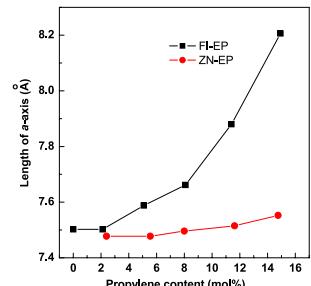
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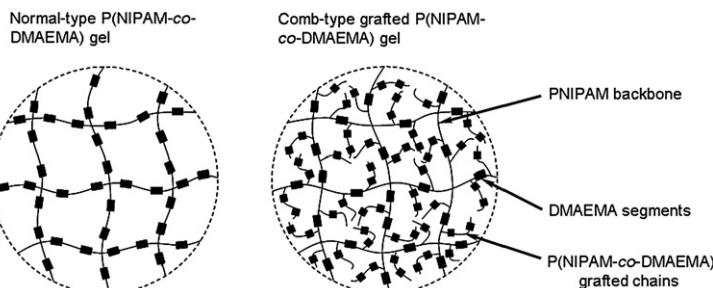


Polyamide- and polycarbonate-based nanocomposites prepared from thermally stable imidazolium organoclay**pp 2492–2502**Lili Cui^a, Jason E. Bara^b, Yefim Brun^c, Youngjae Yoo^a, P.J. Yoon^d, D.R. Paul^{a,*}^a Department of Chemical Engineering and Texas Materials Institute, The University of Texas at Austin, Austin, TX 78712, USA^b Department of Chemical & Biological Engineering, The University of Colorado at Boulder, Boulder, CO 80309, USA^c E.I. DuPont Company, Central Research and Development, Wilmington, DE 19880, USA^d Southern Clay Products, 1212 Church Street, Gonzales, TX 78629, USA**Nanocomposites formed from Imidazolium (**C18**)₁ organoclay (~5 wt% MMT)****[NCO]/[OH] and acryl-polyol concentration dependence of the gelation process and the microstructure analysis of polyurethane resin by dynamic light scattering****pp 2503–2509**Takuya Suzuki^a, Mitsuhiro Shibayama^{a,*}, Kazuhiro Hatano^b, Masahiko Ishii^b^a Institute for Solid State Physics, The University of Tokyo, 5-1-5 Kashiwanoha, Kashiwa, Chiba 277-8581, Japan^b Paint & Finishing Design Dept., Vehicle Material Engineering Div., Toyota Motor Corporation, 1, Toyota-cho, Aichi 471-8572, Japan**Thermal fractionation and effect of comonomer distribution on the crystal structure of ethylene–propylene copolymers****pp 2510–2515**Zi-Xiu Du^a, Jun-Ting Xu^{a,b,*}, Qi Dong^a, Zhi-Qiang Fan^{a,b}^a Key Laboratory of Macromolecular Synthesis and Functionalization, Department of Polymer Science and Engineering, Zhejiang University, Hangzhou 310027, China^b State Key Laboratory of Chemical Engineering, College of Materials and Chemical Engineering, Zhejiang University, Hangzhou 310027, China

Rapid pH/temperature-responsive cationic hydrogels with dual stimuli-sensitive grafted side chains**pp 2516–2525**

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ISSN 0032-3861

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