

Polymer Vol. 49, No. 16, 28 July 2008

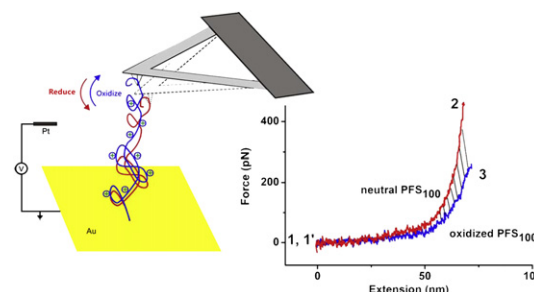
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FEATURE ARTICLE

Force spectroscopy of polymers: Studying on intramolecular and intermolecular interactions in single molecular level pp 3353–3361

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Department of Chemistry, Tsinghua University, Beijing 100084, PR China



POLYMER COMMUNICATIONS

Polymerisation resistant synthesis of methacrylamido phenylboronic acids pp 3362–3365

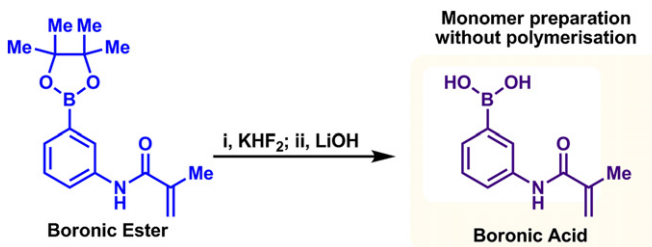
François D'Hooge^a, Damien Rogalle^a, Michael J. Thatcher^b, Semali P. Perera^c, Jean M. H. van den Elsen^d,
A. Toby A. Jenkins^a, Tony D. James^a, John S. Fossey^{a,*}

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Chain helicity of a poly(phenylacetylene) with chiral centers between backbone and mesogenic groups on side chains pp 3366–3370

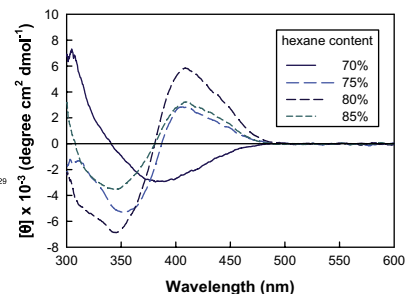
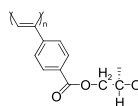
Jia-Hao Liu^a, Jing-Jing Yan^a, Er-Qiang Chen^{a,*}, Jacky W. Y. Lam^b, Yu-Ping Dong^c, De-Hai Liang^a, Ben Zhong Tang^{b,**}

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Exciton coupling occurs in chloroform/hexane mixture prior to solution phase separation:

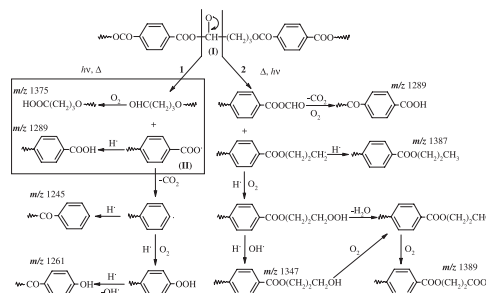


POLYMER PAPERS

Comparative investigation of photo- and thermal-oxidation processes in poly(butylene terephthalate) pp 3371–3381

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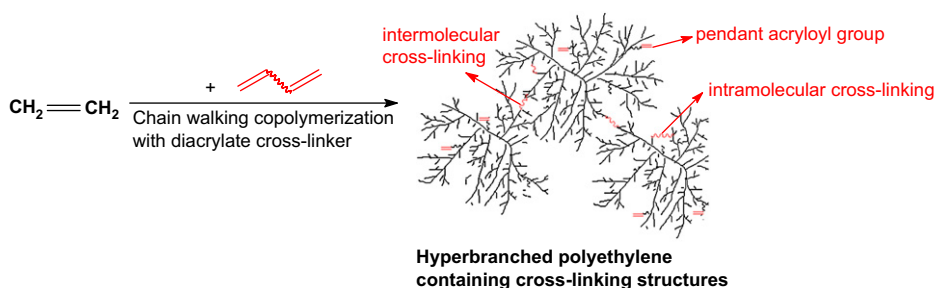


Synthesis and characterization of hyperbranched polyethylenes containing cross-linking structures by chain walking copolymerization of ethylene with diacrylate comonomer pp 3382–3392

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^b Department of Chemical Engineering, McMaster University, Hamilton, Ontario L8S 4L7, Canada

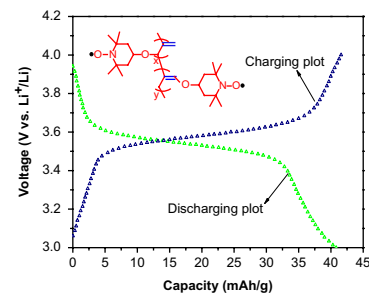


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Xiaohuan Zhang^a, Huiqiao Li^b, Litao Li^a, Guolin Lu^a, Sen Zhang^a, Lina Gu^a, Yongyao Xia^{b,*}, Xiaoyu Huang^{a,**}

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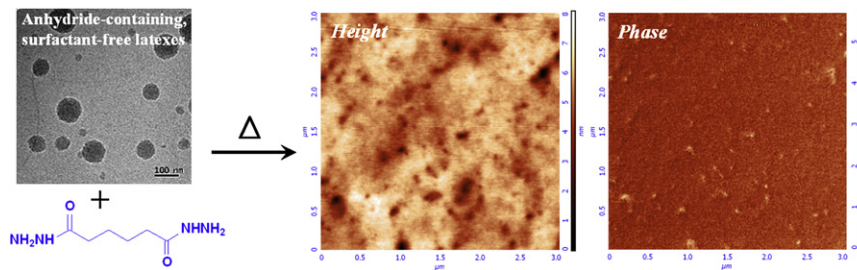


Crosslinking systems and film properties for surfactant-free latexes based on anhydride-containing polymers

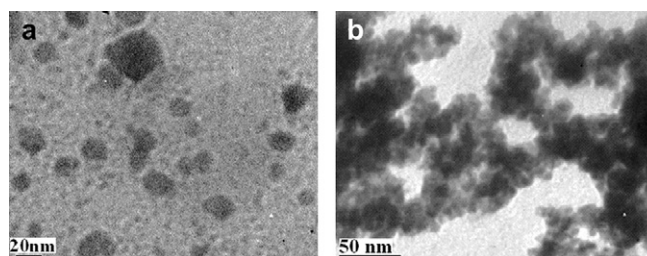
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Willem Jan Soer^{a,b}, Weihua Ming^{a,c,*}, Cor E. Koning^{b,**}, Rolf A. T. M. van Benthem^a^a Laboratory of Materials and Interface Chemistry, Eindhoven University of Technology, P.O. Box 513,

5600 MB Eindhoven, The Netherlands

^b Laboratory of Polymer Chemistry, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven, The Netherlands^c Nanostructured Polymers Research Center, Materials Science Program, University of New Hampshire, Durham, NH 03824, USA**The effect of synthesis procedure on the structure and properties of palladium/polycarbonate nanocomposites**

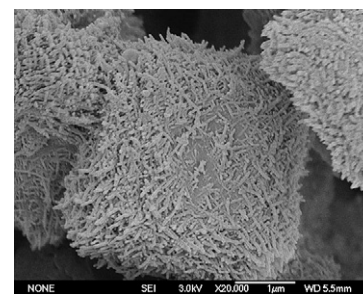
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O. P. Valmikanathan^a, O. Ostroverkhova^a, I. S. Mulla^b, K. Vijayamohan^b, S. V. Atre^{a,*}^a Oregon Nanoscience and Microtechnologies Institute, Oregon State University, Corvallis, OR 97331, United States^b Department of Physical and Materials Chemistry Division, National Chemical Laboratory, Pune 411008, India**3D-boxlike polyaniline microstructures with super-hydrophobic and high-crystalline properties**

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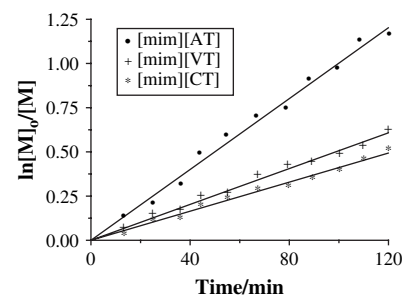
Beijing National laboratory for Molecular Sciences, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, PR China

**Novel ionic liquids as reaction medium for ATRP of acrylonitrile in the absence of any ligand**

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Chen Hou^{*}, Rongjun Qu, Changmei Sun, Chunnuan Ji, Chunhua Wang, Liang Ying, Nan Jiang, Fei Xiu, Lingfang Chen

School of Chemistry and Materials Science, Ludong University, Yantai, Shandong 264025, China

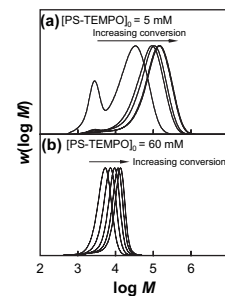


TEMPO-mediated radical polymerization of styrene in aqueous miniemulsion: Macroinitiator concentration effects

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Md. Nur Alam, Per B. Zetterlund, Masayoshi Okubo*

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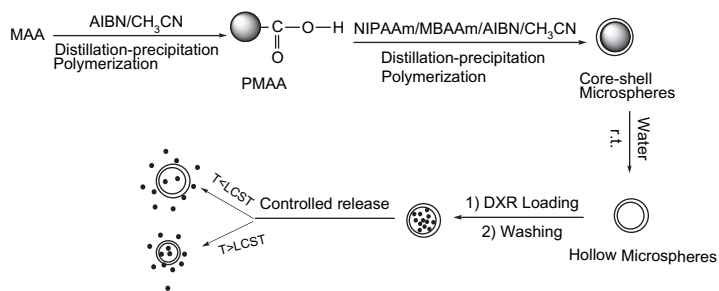
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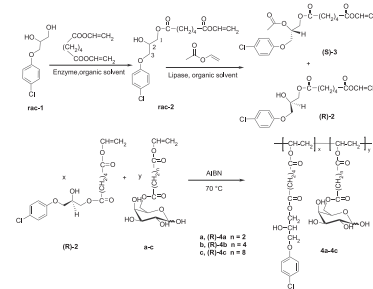
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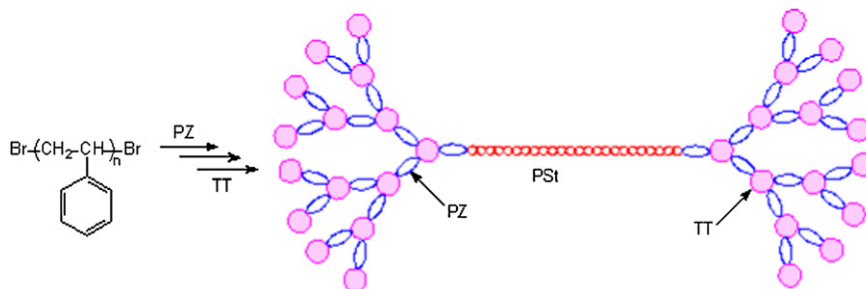
^b College of Chemistry, Chemical Engineering and Biotechnology, Donghua University, Shanghai 201620, PR China

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Li-Zhi Kong, Cai-Yuan Pan*

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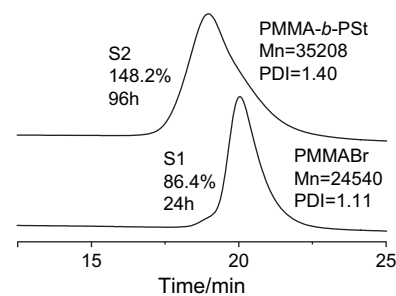


Controlled/living radical polymerization of styrene catalyzed by cobaltocene

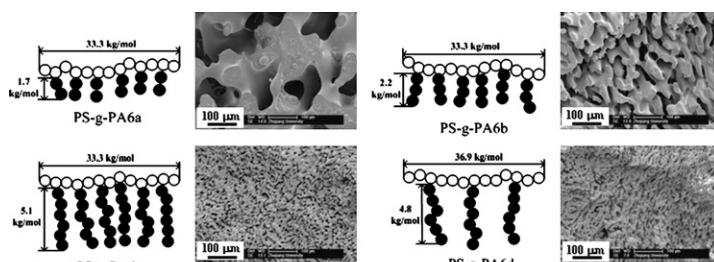
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State Key Laboratory of Elemento-Organic Chemistry, College of Chemistry, Nankai University, Weijin Road 94#, Tianjin 300071, People's Republic of China

**Efficiency of graft copolymers at stabilizing co-continuous polymer blends during quiescent annealing**Cai-Liang Zhang^{a,b}, Lian-Fang Feng^{a,*}, Jian Zhao^a, Hua Huang^c, Sandrine Hoppe^b, Guo-Hua Hu^{b,d,**}

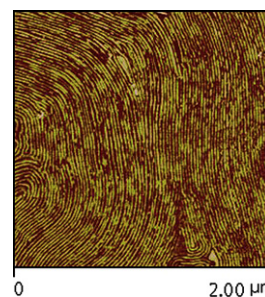
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^a State Key Laboratory of Chemical Engineering, College of Materials Science and Chemical Engineering, Zhejiang University, Hangzhou 310027, China^b Laboratory of Chemical Engineering Sciences, Nancy Université, CNRS-ENSIC-INPL, 1 rue Grandville, BP 20451, 54001 Nancy, France^c Material Science Pacific, Dow Chemical (China) Company, 512 Yutang Road, Shanghai 201613, China^d Institut Universitaire de France, Maison des Universités, 103 Boulevard Saint-Michel, 75005 Paris, France

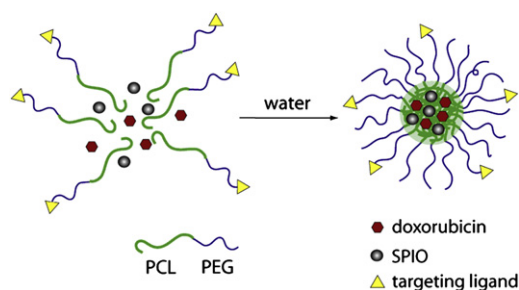
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^a Koç University, Chemistry Department, Sariyer 34450, Istanbul, Turkey^b Max Planck Institute of Colloids and Interfaces, Colloid Department, Research Campus Golm, 14424 Potsdam, Germany**Folate-encoded and Fe₃O₄-loaded polymeric micelles for dual targeting of cancer cells**Xiaoqiang Yang^a, Yinghua Chen^b, Renxu Yuan^a, Guihua Chen^b, Elvin Blanco^c, Jinming Gao^c, Xintao Shuai^{a,*}

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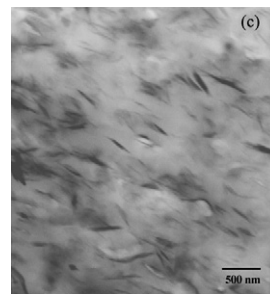
^a BME Center, State Key Laboratory of Optoelectronic Materials and Technologies, School of Chemistry and Chemical Engineering, Sun Yat-Sen University, Guangzhou 510275, PR China^b The Third Affiliated Hospital, Sun Yat-Sen University, Guangzhou 510630, PR China^c Simmons Comprehensive Cancer Center, University of Texas Southwestern Medical Center at Dallas, Dallas, TX 75390, USA

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T. Umasankar Patro, Milind V. Mhalgi, D. V. Khakhar*, Ashok Misra

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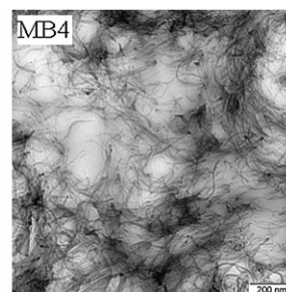
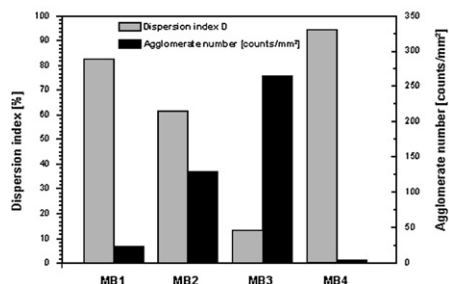


Influence of twin-screw extrusion conditions on the dispersion of multi-walled carbon nanotubes in a poly(lactic acid) matrix

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Tobias Villmow, Petra Pötschke*, Sven Pegel,
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Hohe Strasse 6, 01069 Dresden, Germany



Effect of inorganic nanoparticles on mechanical property, fracture toughness and toughening mechanism of two epoxy systems

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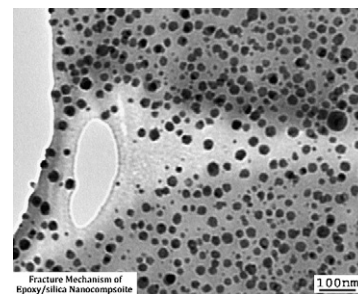
Jun Ma^{a,*}, Mao-Song Mo^b, Xu-Sheng Du^b, Patrick Rosso^b, Klaus Friedrich^c, Hsu-Chiang Kuan^d

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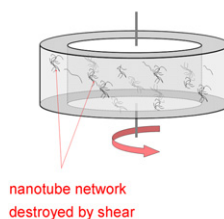
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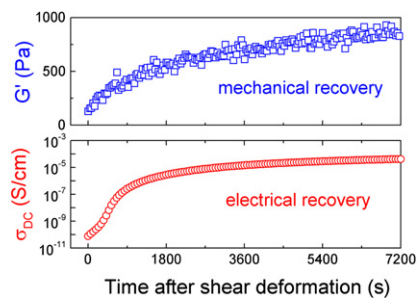
Ingo Alig^{a,*}, Tetyana Skipa^a, Dirk Lellinger^a, Petra Pötschke^b

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nanotube network
destroyed by shear



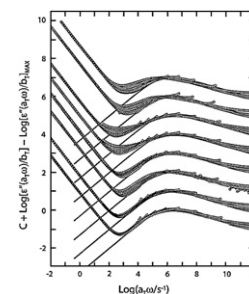
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Guy C. Berry^{a,*}, Stefan Kahle^b, Shigeki Ohno^a, Krzysztof Matyjaszewski^a, Tadeusz Pakula^b

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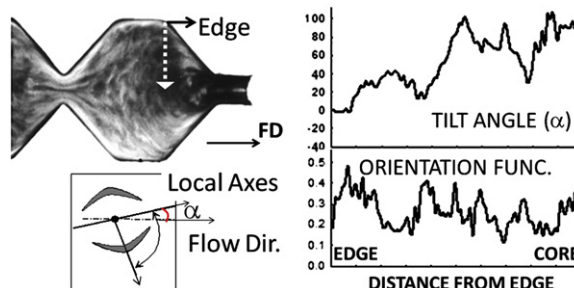


A novel microstream injection molding method for thermotropic liquid crystalline polymers to promote mechanical isotropy: A matrixing microbeam X-ray study

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Effect of structure on enthalpy relaxation of polycarbonate: Experiments and modeling

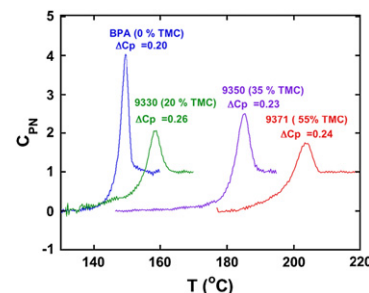
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The effect of physiologically relevant additives on the rheological properties of concentrated Pluronic copolymer gels

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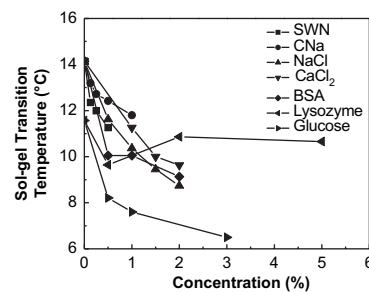
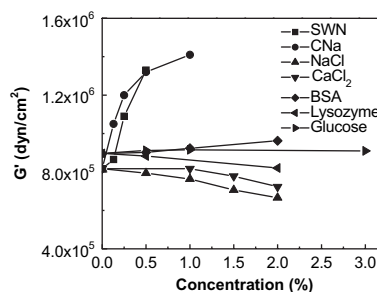
Jun Jiang^{a,*}, Chunhua Li^a, Jack Lombardi^b, Ralph H. Colby^c, Basil Rigas^d, Miriam H. Rafailovich^{a,*}, Jonathan C. Sokolov^a

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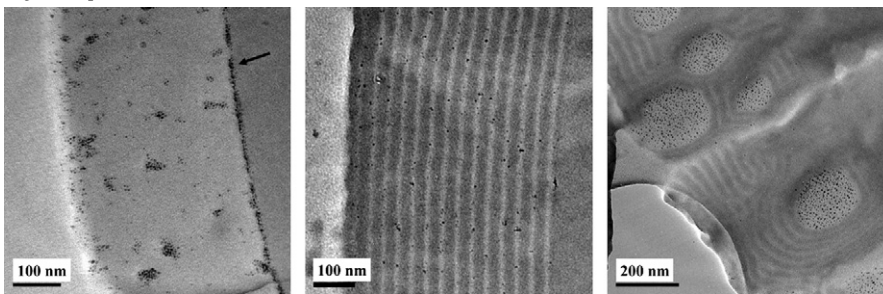
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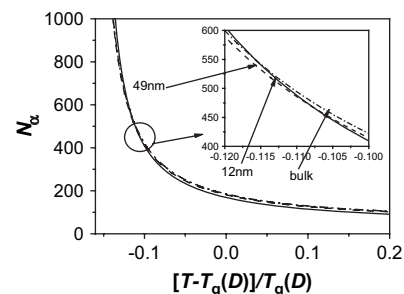


Lindemann-like size-independent glass-transition criterion for polymers

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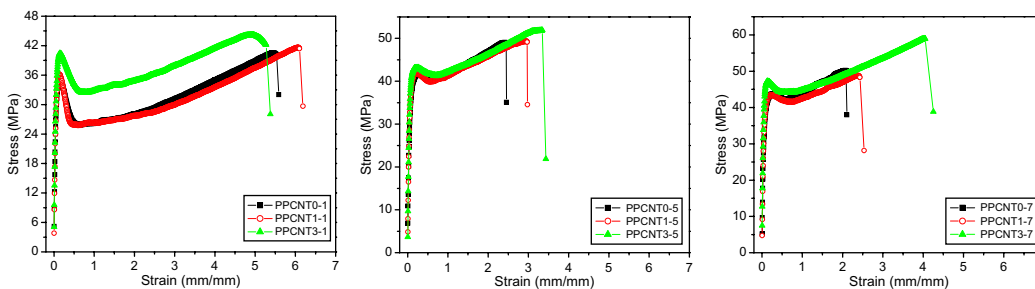


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Zaichuan Hou, Ke Wang, Ping Zhao, Qin Zhang, Changyue Yang, Daiqiang Chen, Rongni Du, Qiang Fu^{*}

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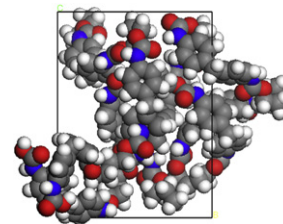
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Xiaoyan Ma^{a,*}, Xiaohong Qu^{a,b}, Qilu Zhang^a, Fang Chen^a

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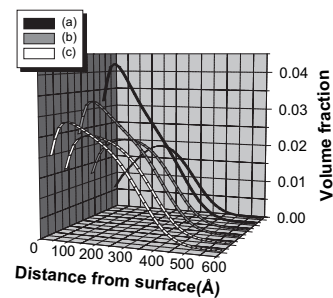
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Adsorption of star polymers studied by a new numerical mean field theory

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