

**Polymer Vol. 50, No. 9, 24 April 2009**

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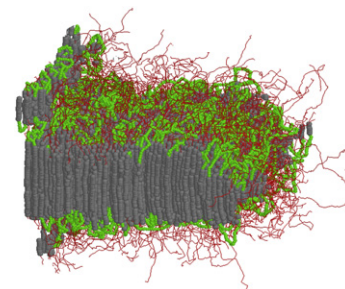
**FEATURE ARTICLE**

**Computer modeling of polymer crystallization – Toward computer-assisted materials' design**

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Takashi Yamamoto

*Department of Physics and Informatics, Yamaguchi University, Yamaguchi 753-8512, Japan*



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**ATRP poly(acrylate) star formation: A comparative study between MALDI and ESI mass spectrometry**

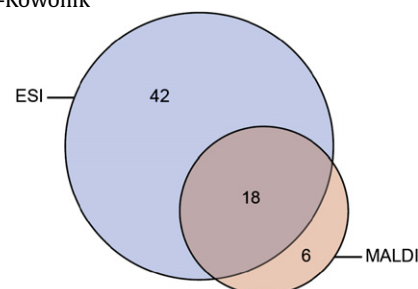
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Gene Hart-Smith<sup>a, b</sup>, Mieke Lammens<sup>c</sup>, Filip E. Du Prez<sup>c, \*</sup>, Michael Guilhaus<sup>b</sup>, Christopher Barner-Kowollik<sup>a, \*\*</sup>

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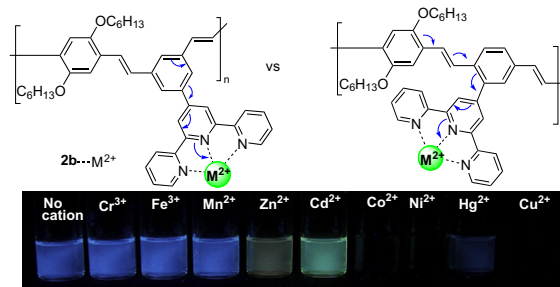
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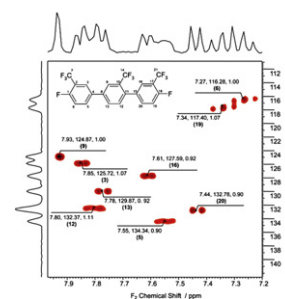
Victor Banjoko<sup>a, b</sup>, Yongqian Xu<sup>a</sup>, Eric Mintz<sup>b</sup>, Yi Pang<sup>a, \*</sup><sup>a</sup> Department of Chemistry, Maurice Morton Institute of Polymer Science, The University of Akron, Akron, OH 44325, United States<sup>b</sup> Department of Chemistry, Clark Atlanta University, Atlanta, GA 30314, United States

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Frank Schönberger<sup>\*</sup>, Andreas Chromik, Jochen Kerres

Institute for Chemical Process Engineering, University of Stuttgart, 70199 Stuttgart, Germany

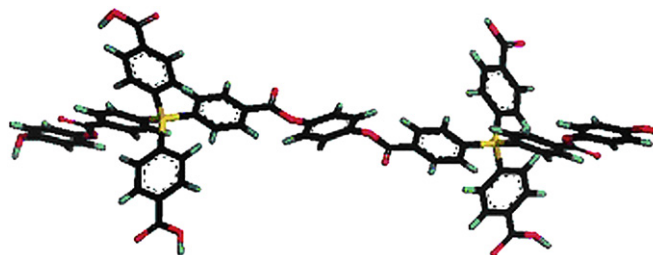


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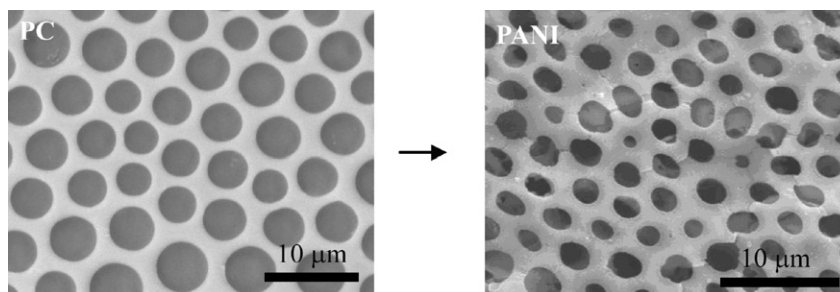
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Department of Polymer Science and Materials, School of Chemical Engineering, Dalian University of Technology, Zhongshan Road 158, Dalian, Liaoning 116012, PR China



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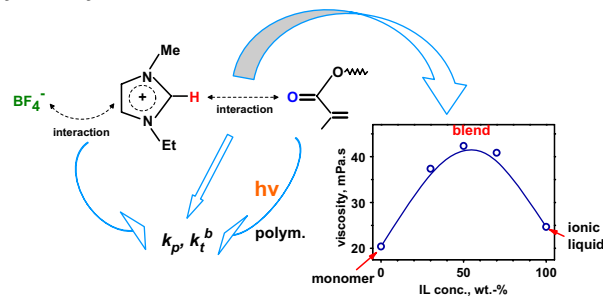
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Ewa Andrzejewska\*, Malgorzata Podgorska-Golubska, Izabela Stepniak, Maciej Andrzejewski

Faculty of Chemical Technology, Poznan University of Technology,  
Pl. M. Skłodowskiej-Curie 2, 60-965 Poznan, Poland



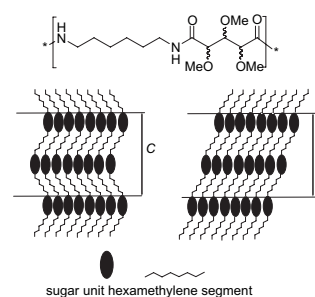
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<sup>b</sup> Departamento de Química Orgánica y Farmacéutica, Facultad de Farmacia, Universidad de Sevilla, 41071 Sevilla, Spain



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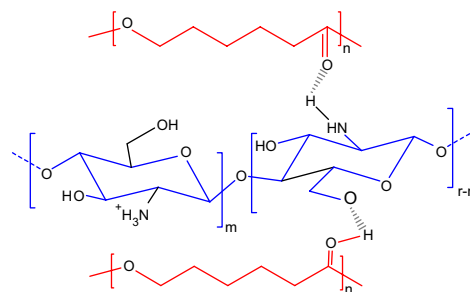
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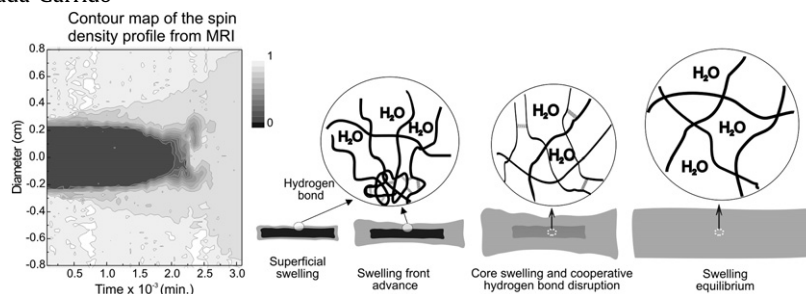


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Rodrigo París, José Manuel Barrales-Rienda, Isabel Quijada-Garrido\*

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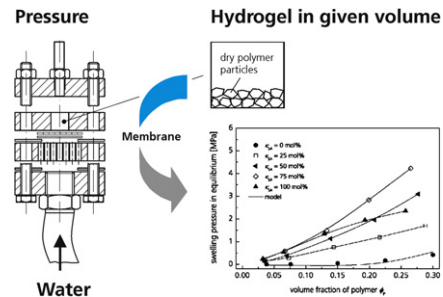
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Holger Wack<sup>a</sup>, Mathias Ulbricht<sup>b,\*</sup>

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<sup>b</sup> Lehrstuhl für Technische Chemie II, Universität Duisburg-Essen, Universitätsstraße 5, 45117 Essen, Germany



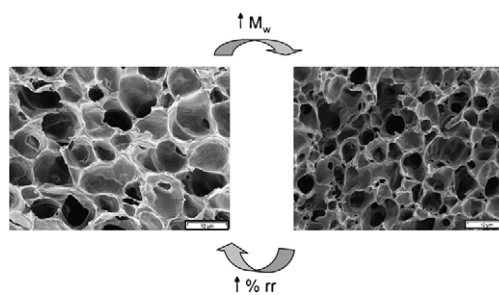
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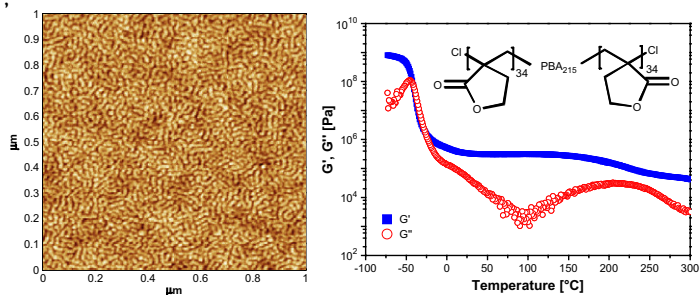
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<sup>c</sup> Max-Planck-Institute for Polymer Research, P.O. Box 3148, D-55021 Mainz, Germany

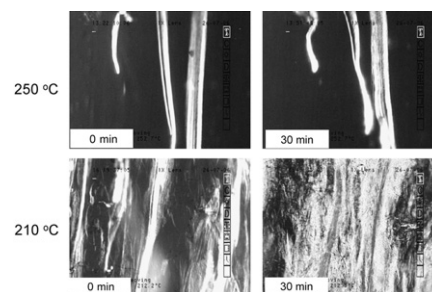


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Yuji Hayashi, Go Matsuba, Yunfeng Zhao, Koji Nishida, Toshiji Kanaya<sup>\*</sup>

Institute for Chemical Research, Kyoto University, Uji, Kyoto-fu 611-0011, Japan



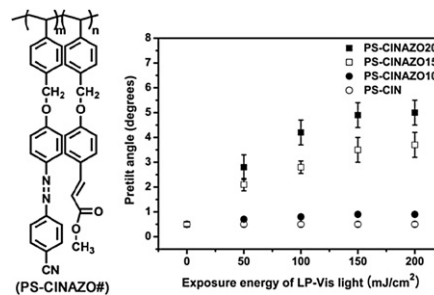
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Hyo Kang<sup>a</sup>, Daeseung Kang<sup>b</sup>, Jong-Chan Lee<sup>a,\*</sup>

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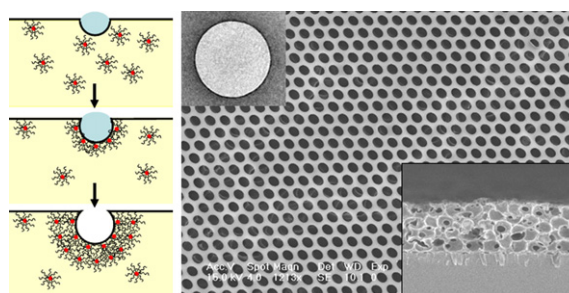


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Hang Sun, Haolong Li, Lixin Wu\*

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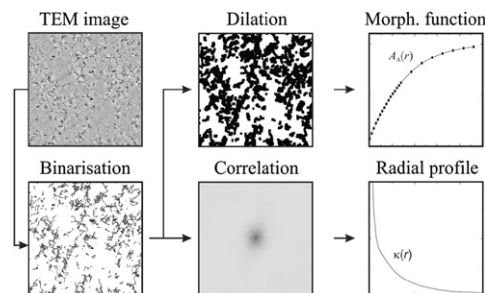
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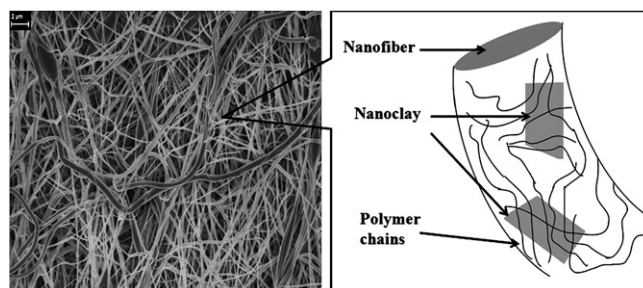


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Lei Yu, Peggy Cebe\*

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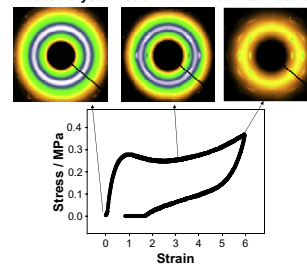


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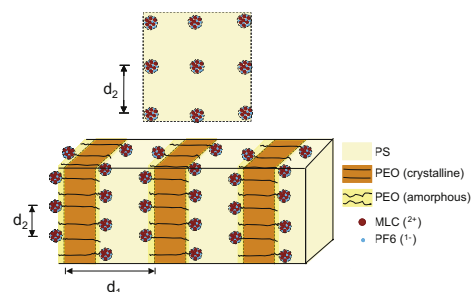
Shigeyuki Toki<sup>a,\*</sup>, Benjamin S. Hsiao<sup>a,\*</sup>, Sureerut Amnuaypornsi<sup>b</sup>, Jitlada Sakdapipanich<sup>b</sup><sup>a</sup> Department of Chemistry, Stony Brook University, Stony Brook, NY 11794, USA<sup>b</sup> Department of Chemistry, Faculty of Science, Mahidol University, Bangkok 10400, Thailand

Strain-induced crystallization in un-vulcanized natural rubber



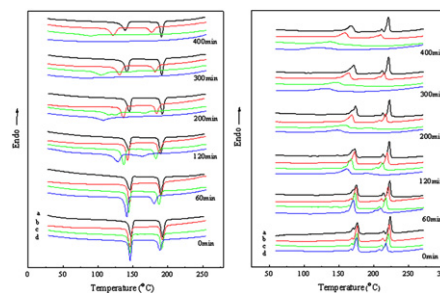
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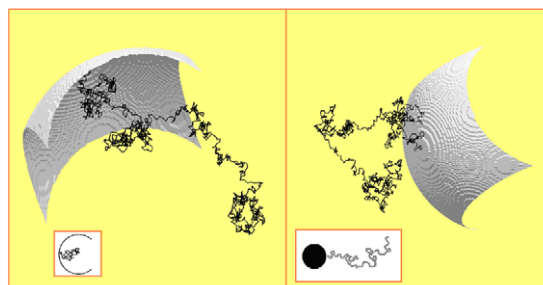
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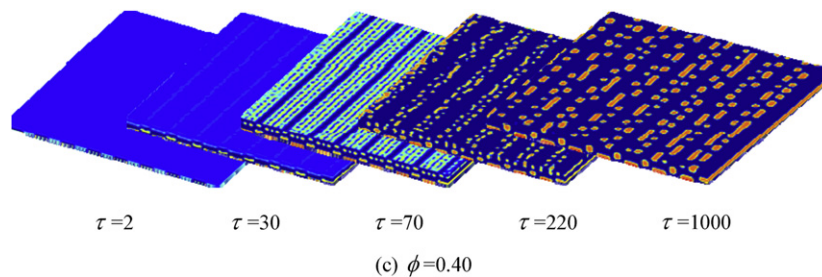
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Waldemar Nowicki<sup>a,\*</sup>, Grażyna Nowicka<sup>a</sup>, Jolanta Narkiewicz-Michatek<sup>b</sup><sup>a</sup> Faculty of Chemistry, Adam Mickiewicz University, Grunwaldzka 6, 60-780 Poznań, Poland<sup>b</sup> Faculty of Chemistry, Maria Curie-Skłodowska University, M. Skłodowska-Curie Pl. 3, 20-031 Lublin, Poland

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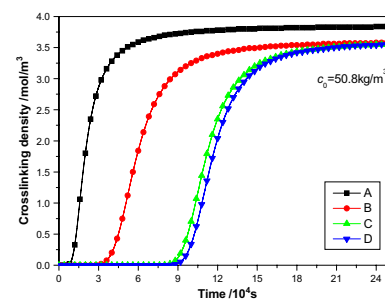
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Jia-Lin Li<sup>a</sup>, Li-Tang Yan<sup>a,b,\*\*</sup>, Xu-Ming Xie<sup>a,\*</sup>
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Xiliang Chen<sup>a</sup>, Yuxi Jia<sup>a,\*</sup>, Ligang Feng<sup>a</sup>, Sheng Sun<sup>a</sup>, Lijia An<sup>b,\*</sup>
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