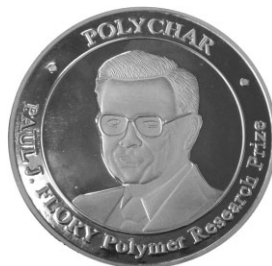


Macromolecular Symposia: Vol. 298

Articles published on the web will appear
several weeks before the print edition.
They are available through:

wileyonlinelibrary.com

Cover: The 18th World Forum on Advanced Polymeric Materials (POLYCHAR 18) took place in Siegen, Germany, April 7-10, 2010. The cover picture shows the newly coined Paul J. Flory Research Prize medal.



POLYCHAR-18

World Forum on Advanced Materials

Siegen (Germany), April 7–10, 2010

Preface	<i>Werner Mormann</i>	
Flory Prize Lecture: Cavitation during Drawing of Crystalline Polymers	<i>Andrzej Galeski,* Artur Rozanski*</i>	I 1
Flory Prize Lecture: The Role of Conformations in the Interplay of Structure and Dynamics in Macromolecular and Supramolecular Systems	<i>Hans Wolfgang Spiess</i>	I 10
Keynote speaker: Ring-Opening Metathesis Polymerization- Derived Materials for Separation Science, Heterogeneous Catalysis and Tissue Engineering	<i>Michael R. Buchmeiser</i>	I 17
Keynote speaker: 3D Stereolithography by Using Two-Photon Photopolymerization	<i>Ran Hee Kim, Kwang-Sup Lee*</i>	I 25

Preparation and Characterization of In-Situ Polymerized Nanocomposites Based on Polyaniline in Presence of MWCNTs	<i>Md. Moniruzzaman, C. K. Das*</i>	34
Studies on Morphology and Conductivity of Poly(<i>N</i> -methyl aniline) Nanoparticles Prepared in Nonstirred Reaction Medium	<i>Vasant Chabukswar,* Navnath Dhomase, Sanjay Bhavsar, Amit Horne, Kakasaheb Mohite, Vishwas Gaikwad</i>	43
A Novel Low Solvent Method for Grafting Polyaniline to Silylated Silica	<i>Walt V.K. Wheelwright,* Sudip Ray,* Allan J. Easteal</i>	51
Functionalization of Hydrogels Based on <i>N</i> -isopropyl-acrylamide and Cationic Surfactant Monomers upon Electrostatic Self-assembly	<i>Tatjana Friedrich, Anna Trinker, Bernd Tieke*</i>	57
Implementation of Specific Bioconjugation in Polystyrene- <i>block</i> -poly(<i>tert</i> -butyl acrylate)-Based Bio-Interfaces	<i>Ekram Wassel, Sina Ghassemi, Holger Schönherr*</i>	64
Prediction of Interfacial Interactions between Polymer Layers	<i>Sergiy Varvarenko, Volodymyr Samaryk, Nataliya Nosova,* Nataliia Puzko, Roman Taras, Ihor Tarnavchyyk, Andriy Voronov, Ananiy Kohut, Stanislav Voronov</i>	72
Synthesis of New Amphiphilic Comb-Like Copolymers Based on Maleic Anhydride and α -Olefins	<i>Olena Kudina,* Olga Budishevskaya, Andriy Voronov, Ananiy Kohut, Olena Khomenko, Stanislav Voronov</i>	79
Peroxide-Containing Chitosan Derivative for Hydrogel Synthesis	<i>Nadiya Solomko,* Olga Budishevskaya, Andriy Voronov, Ananiy Kohut, Andriy Popadyuk, Stanislav Voronov</i>	85

Preparation and Barrier Properties of Chitosan-Layered Silicate Nanocomposite Films	<i>Hale Oguzlu, Funda Tihminlioglu*</i>	91
Synthesis and Properties of Dendronized Chitosan	<i>Ana Agustina Aldana, Marisa Martinelli, Miriam Strumia*</i>	99
Small-Molecule Diffusion in Semicrystalline Polymers as Revealed by Experimental and Simulation Studies	<i>Fritjof Nilsson, Mikael S. Hedenqvist, Ulf W. Gedde*</i>	108
Physicochemical Characterization of Two Polysulfon-Amides in Dilute Solution	<i>Ye Chen, Di Wu, Jun Li, Shenghui Chen, Xiaofeng Wang, Yumei Zhang,* Huaping Wang</i>	116
A Study on Structural, Mechanical and Thermal Properties of Polymer Composites of Poly(vinyl alcohol) with Inorganic Material	<i>Gulfam Nasar,* Muhammad Saleem Khan, Uzma Khalil</i>	124
Comparison of the Effect of an Organoclay, Triphenylphosphate, and a Mixture of Both on the Degradation and Combustion Behaviour of PC/ABS Blends	<i>Elham Feyz, Yousef Jahani,* Masoud Esfandeh</i>	130
Properties and Characterization of Organoclay/Dimethacrylate Composites Obtained by In Situ Photopolymerization	<i>Isabel C. Rigoli, Tatiana Batista, Carla C. S. Cavalheiro, Miguel G. Neumann*</i>	138
Synthetic Strategies to Combine High Performance Benzoxazine Thermosets with Polymers	<i>Baris Kiskan, Yusuf Yagci*</i>	145
Synthesis and Characterization of Hexathiophenes with Methylthienyl Side Chains	<i>Geeta Saini, Josemon Jacob*</i>	154
Polysulfones on the Base of New Diallylaminophosphonium Salts	<i>M. N. Gorbunova,* A. I. Vorob'eva</i>	160
Effect of two Kinds of Imidazolium Ionic Liquids on the Microemulsion Polymerization of Methyl methacrylate	<i>Jingjing Lu, Yunsheng Ding,* Yun Yu, Shuying Wu, Wangao Feng</i>	167

Two-Dimensional Chromatographic Analysis of Polystyrene- <i>block</i> -poly(methyl methacrylate) Copolymers Synthesized by Selective Oxidation of Polystyrene-9-borabicyclo[3.3.1]nonane	<i>Wael K. Elhrari,</i> <i>Peter E. Mallon*</i>	174
Separation of Poly(propylene) Samples According to Tacticity using a Hypercarb Column	<i>Tibor Macko,*</i> <i>Francesco Cutillo,</i> <i>Vincenzo Busico,</i> <i>Robert Brüll</i>	182
Characterization of Ethylene methyl methacrylate and Ethylene butylacrylate Copolymers with Interactive Liquid Chromatography	<i>Rajesh Chitta,*</i> <i>Robert Brüll,</i> <i>Tibor Macko,</i> <i>Vincent Monteil,</i> <i>Christophe Boisson,</i> <i>Etienne Grau,</i> <i>Alexandra Leblanc</i>	191

<i>Aldana, A.A.</i>	99	<i>Li, J.</i>	116
<i>Batista, T.</i>	138	<i>Lu, J.</i>	167
<i>Bhavsar, S.</i>	43	<i>Macko, T.</i>	191, 182
<i>Boisson, C.</i>	191	<i>Mallon, P.E.</i>	174
<i>Brüll, R.</i>	191, 182	<i>Martinelli, M.</i>	99
<i>Buchmeiser, M.R.</i>	17	<i>Mohite, K.</i>	43
<i>Budishevskaya, O.</i>	79, 85	<i>Moniruzzaman, M.</i>	34
<i>Busico, V.</i>	182	<i>Monteil, V.</i>	191
<i>Cavalheiro, C.C.S.</i>	138	<i>Nasar, G.</i>	124
<i>Chabukswar, V.</i>	43	<i>Neumann, M.G.</i>	138
<i>Chen, S.</i>	116	<i>Nilsson, F.</i>	108
<i>Chen, Y.</i>	116	<i>Nosova, N.</i>	72
<i>Chitta, R.</i>	191	<i>Oguzlu, H.</i>	91
<i>Cuttillo, F.</i>	182	<i>Popadyuk, A.</i>	85
<i>Das, C.K.</i>	34	<i>Puzko, N.</i>	72
<i>Dhomase, N.</i>	43	<i>Ray, S.</i>	51
<i>Ding, Y.</i>	167	<i>Rigoli, I.C.</i>	138
<i>Easteal, A.J.</i>	51	<i>Rozanski, A.</i>	1
<i>Elhrari, W.K.</i>	174	<i>Saini, G.</i>	154
<i>Esfandeh, M.</i>	130	<i>Samaryk, V.</i>	72
<i>Feng, W.</i>	167	<i>Schönherr, H.</i>	64
<i>Feyz, E.</i>	130	<i>Solomko, N.</i>	85
<i>Friedrich, T.</i>	57	<i>Spiess, H.W.</i>	10
<i>Gaikwad, V.</i>	43	<i>Strumia, M.</i>	99
<i>Galeski, A.</i>	1	<i>Taras, R.</i>	72
<i>Gedde, U.W.</i>	108	<i>Tarnavchyk, I.</i>	72
<i>Ghassemi, S.</i>	64	<i>Tieke, B.</i>	57
<i>Gorbunova, M.N.</i>	160	<i>Tihminlioglu, F.</i>	91
<i>Grau, E.</i>	191	<i>Trinker, A.</i>	57
<i>Hedenqvist, M.S.</i>	108	<i>Varvarenko, S.</i>	72
<i>Horne, A.</i>	43	<i>Vorob'eva, A.I.</i>	160
<i>Jacob, J.</i>	154	<i>Voronov, A.</i>	72, 79, 85
<i>Jahani, Y.</i>	130	<i>Voronov, S.</i>	72, 79, 85
<i>Khalil, U.</i>	124	<i>Wang, H.</i>	116
<i>Khan, M.S.</i>	124	<i>Wang, X.</i>	116
<i>Khomenko, O.</i>	79	<i>Wassel, E.</i>	64
<i>Kim, R.H.</i>	25	<i>Wheelwright, W.V.</i>	51
<i>Kiskan, B.</i>	145	<i>Wu, D.</i>	116
<i>Kohut, A.</i>	72, 79, 85	<i>Wu, S.</i>	167
<i>Kudina, O.</i>	79	<i>Yagci, Y.</i>	145
<i>Leblanc, A.</i>	191	<i>Yu, Y.</i>	167
<i>Lee, K.-S.</i>	25	<i>Zhang, Y.</i>	116