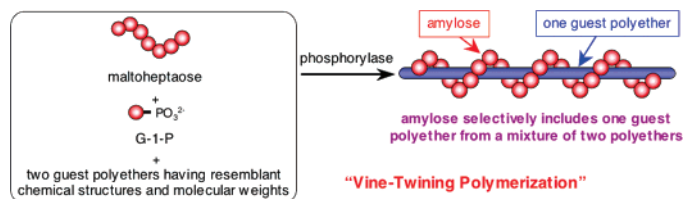


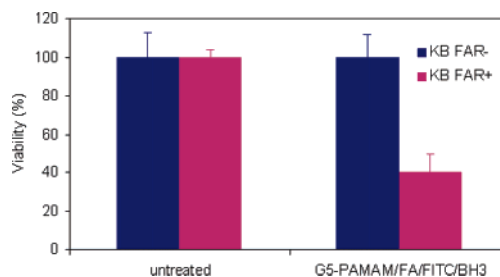
Communications

2983 Amylose Selectively Includes One from a Mixture of Two Resemblant Polyethers in Vine-Twining Polymerization



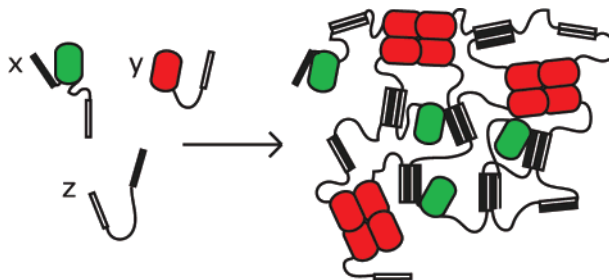
Yoshiro Kaneko, Koutarou Beppu, and
Jun-ichi Kadokawa*

2986 Dendrimer-Based BH3 Conjugate That Targets Human Carcinoma Cells



Andrzej Myc,* Anil K. Patri, and
James R. Baker, Jr.

2990 Bioactive Proteinaceous Hydrogels from ■ Designed Bifunctional Building Blocks

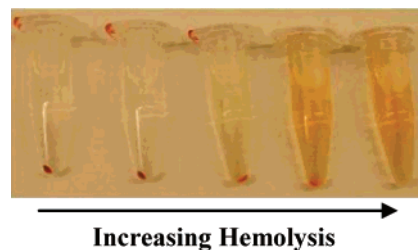


Ian R. Wheeldon, Scott Calabrese Barton, and
Scott Banta*

Articles

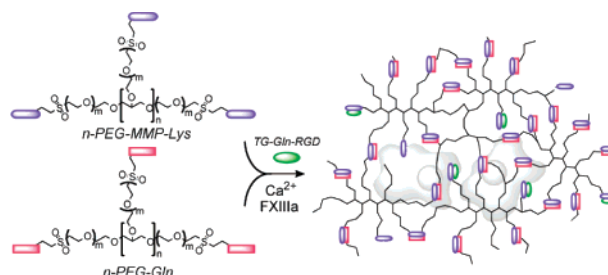
2995 Hemocompatibility of Hydrophilic Antimicrobial Copolymers of Alkylated 4-Vinylpyridine

Bradley C. Allison, Bruce M. Applegate, and Jeffrey P. Youngblood*



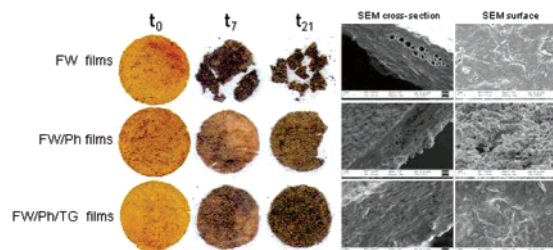
3000 Biomolecular Hydrogels Formed and Degraded via Site-Specific Enzymatic Reactions

Martin Ehrbar, Simone C. Rizzi, Ronald G. Schoenmakers, Blanca San Miguel, Jeffrey A. Hubbell, Franz E. Weber, and Matthias P. Lutolf*



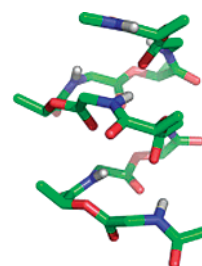
3008 Fennel Waste-Based Films Suitable for Protecting Cultivations

L. Mariniello,* C. V. L. Giosafatto, G. Moschetti, M. Aponte, P. Masi, A. Sorrentino, and R. Porta



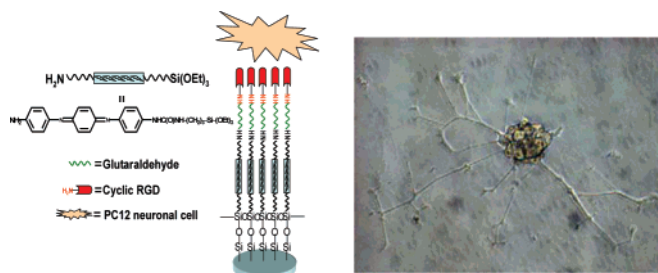
3015 Molecular Modeling of Conformational Properties of Oligodepsipeptides

Jiajing Zhang, Michael King, Laura Suggs, and Pengyu Ren*



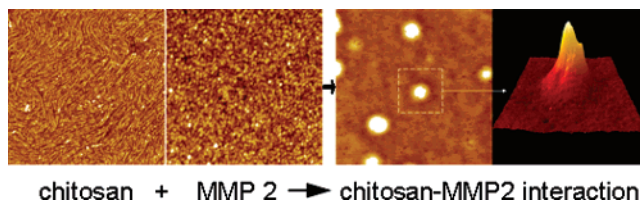
3025 Electroactive Oligoaniline-Containing Self-Assembled Monolayers for Tissue Engineering Applications

Yi Guo, Mengyan Li, Andreas Mylonakis, Jingjia Han, Alan G. MacDiarmid, Xuesi Chen, Peter I. Lelkes,* and Yen Wei*



3035 Specific Interaction between Chitosan and Matrix Metalloprotease 2 Decreases the Invasive Activity of Human Melanoma Cells

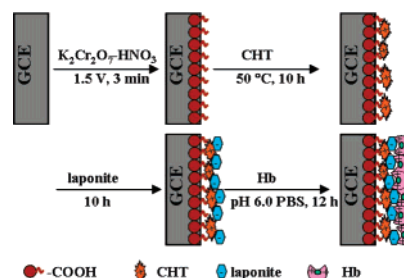
Christian Gorzelanny, Birgit Pöppelmann, Elwira Strozyk, Bruno M. Moerschbacher, and Stefan W. Schneider*



chitosan + MMP 2 $\rightarrow$ chitosan-MMP2 interaction

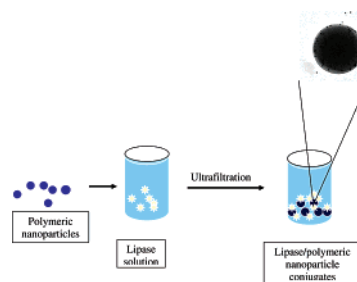
3041 Self-Assembled Films of Hemoglobin/Laponite/Chitosan: Application for the Direct Electrochemistry and Catalysis to Hydrogen Peroxide

Dan Shan,* En Han, Huaiguo Xue,* and Serge Cosnier



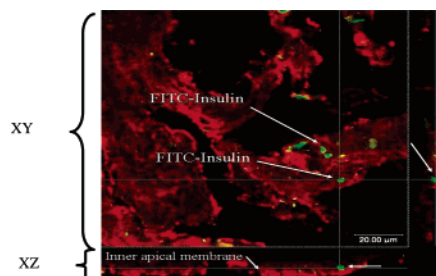
3047 Lipolytic Enzymes with Improved Activity and Selectivity upon Adsorption on Polymeric Nanoparticles

Cleofe Palocci,* Laura Chronopoulou, Iole Venditti, Enrico Cernia, Marco Diociaiuti, Ilaria Fratoddi, and Maria Vittoria Russo



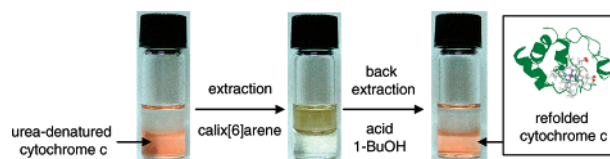
3054 Oral Bioavailability of Insulin Contained in Polysaccharide Nanoparticles

Bruno Sarmiento,* António Ribeiro, Francisco Veiga, Domingos Ferreira, and Ronald Neufeld



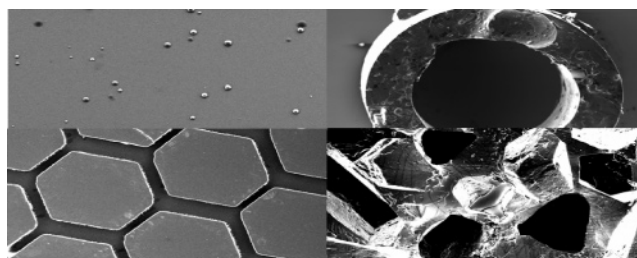
3061 Calixarene-Assisted Protein Refolding via Liquid–Liquid Extraction

Kojiro Shimojo, Tatsuya Oshima,
Hirochika Naganawa, and Masahiro Goto*



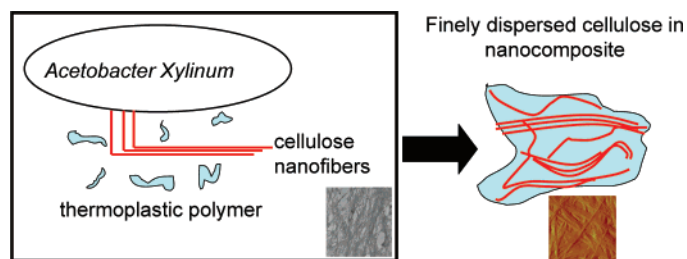
3067 Synthesis and Characterization of Photocurable Elastomers from Poly(glycerol-*co*-sebacate)

Christiaan L. E. Nijst, Joost P. Bruggeman,
Jeffrey M. Karp, Lino Ferreira,
Andreas Zumbuehl,
Christopher J. Bettinger, and Robert Langer*



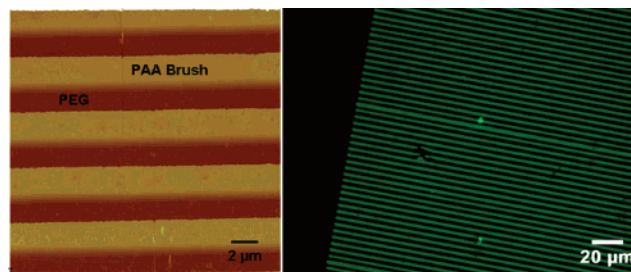
3074 Bioengineering Bacterial Cellulose/ Poly(ethylene oxide) Nanocomposites

Elvie E. Brown and Marie-Pierre G. Laborie*



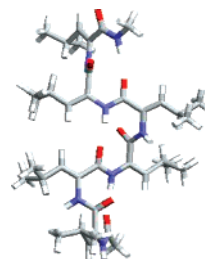
3082 Patterned Biofunctional Poly(acrylic acid) Brushes on Silicon Surfaces

Rong Dong, Sitaraman Krishnan,
Barbara A. Baird, Manfred Lindau, and
Christopher K. Ober*



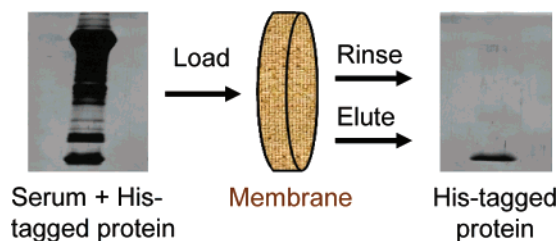
3093 New Type of Helix and 2_7 Ribbon Structure Formation in Poly Δ Leu Peptides: Construction of a Single-Handed Template

Fateh S. Nandel* and Radhika Jaswal



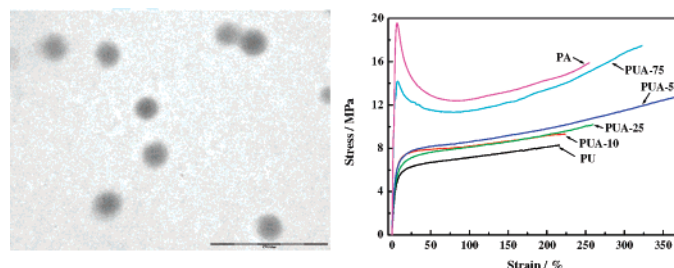
3102 High-Capacity Purification of His-tagged Proteins by Affinity Membranes Containing Functionalized Polymer Brushes

Parul Jain, Lei Sun, Jinhua Dai,
Gregory L. Baker,* and Merlin L. Bruening*



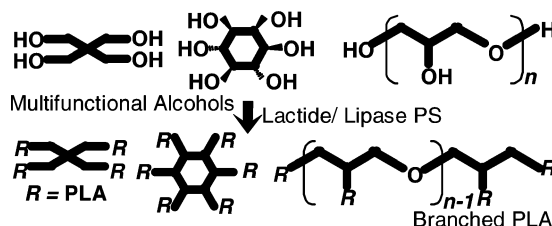
3108 New Hybrid Latexes from a Soybean Oil-Based Waterborne Polyurethane and Acrylics via Emulsion Polymerization

Yongshang Lu and Richard C. Larock*



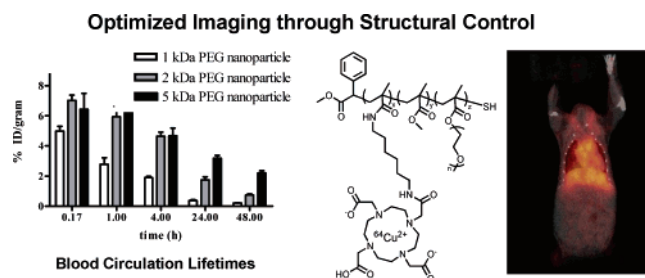
3115 Branched Poly(lactide) Synthesized by Enzymatic Polymerization: Effects of Molecular Branches and Stereochemistry on Enzymatic Degradation and Alkaline Hydrolysis

Keiji Numata, Rajiv K. Srivastava,
Anna Finne-Wistrand,
Ann-Christine Albertsson,* Yoshiharu Doi, and
Hideki Abe



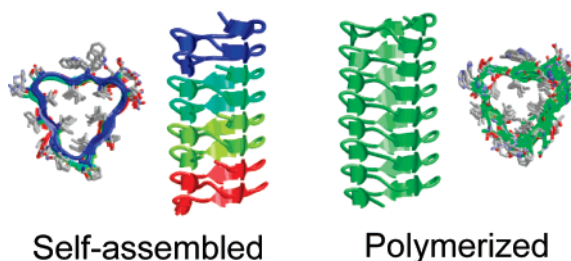
3126 Structural Effects on the Biodistribution and Positron Emission Tomography (PET) Imaging of Well-Defined ^{64}Cu -Labeled Nanoparticles Comprised of Amphiphilic Block Graft Copolymers

Eric D. Pressly, Raffaella Rossin, Aviv Hagooley,
Ken-ichi Fukukawa, Benjamin W. Messmore,
Michael J. Welch,* Karen L. Wooley,*
Matthew S. Lamm, Rohan A. Hule,
Darrin J. Pochan, and Craig J. Hawker*



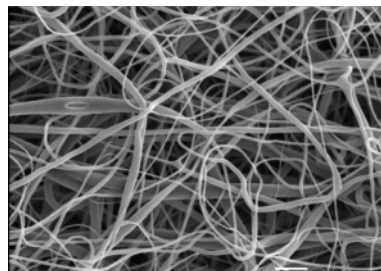
3135 Stability of Tubular Structures Based on β -Helical Proteins: Self-Assembled versus Polymerized Nanoconstructs and Wild-Type versus Mutated Sequences

David Zanuy,* Francisco Rodríguez-Ropero,
Nurit Haspel, Jie Zheng, Ruth Nussinov, and
Carlos Alemán*



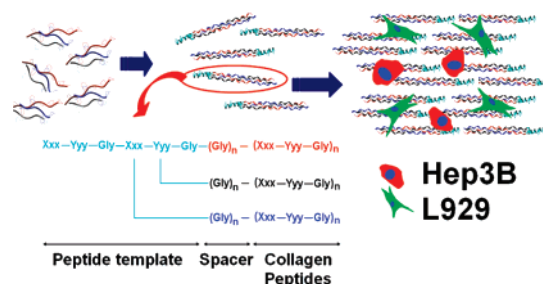
3147 Encapsulation and Exfoliation of Inorganic Lamellar Fillers into Polycaprolactone by Electrospinning

Valentina Romeo, Giuliana Gorrasi, Vittoria Vittoria,* and Ioannis S. Chronakis



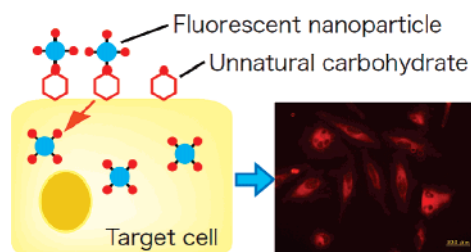
3153 The Specific Recognition of a Cell Binding Sequence Derived from Type I Collagen by Hep3B and L929 Cells

Shih Tak Khew and Yen Wah Tong*



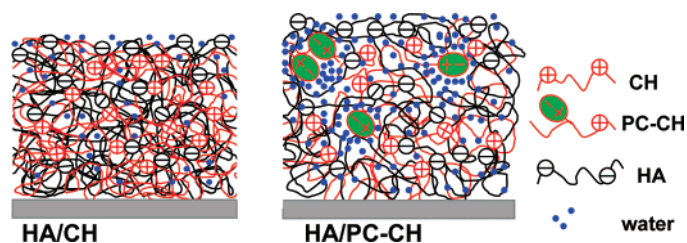
3162 Cell-Specific Delivery of Polymeric Nanoparticles to Carbohydrate-Tagging Cells

Yasuhiko Iwasaki,* Haruki Maie, and Kazunari Akiyoshi



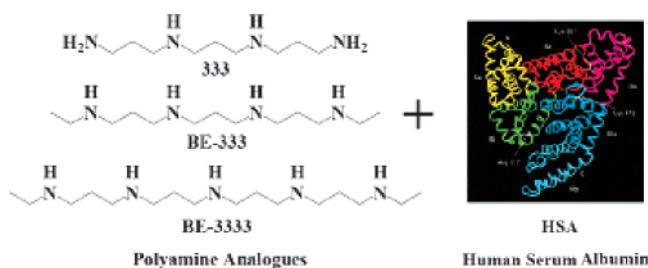
3169 Construction of Viscoelastic Biocompatible Films via the Layer-by-Layer Assembly of Hyaluronan and Phosphorylcholine-Modified Chitosan

Piotr Kujawa, Gregory Schmauch, Tapani Viitala, Antonella Badia, and Françoise M. Winnik*



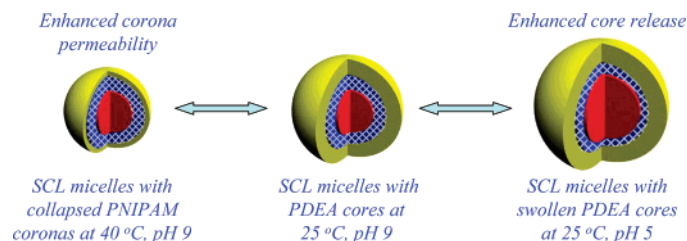
3177 Polyamine Analogues Bind Human Serum Albumin

R. Beauchemin, C. N. N'soukpoé-Kossi, T. J. Thomas, T. Thomas, R. Carpentier, and H. A. Tajmir-Riahi*

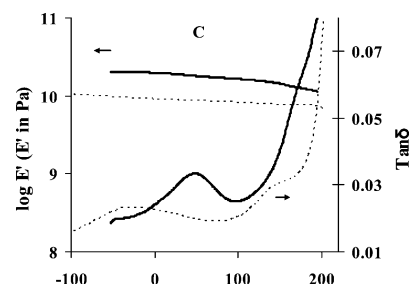


3184 Fabrication of Multiresponsive Shell Cross-Linked Micelles Possessing pH-Controllable Core Swellability and Thermo-Tunable Corona Permeability

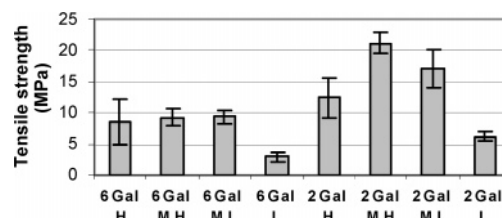
Xiaoze Jiang, Zhishen Ge, Jian Xu, Hao Liu, and Shiyong Liu*


3193 Effect of Cross-Linking with Calcium Ions on the Physical Properties of Alginate Films

R. Russo,* M. Malinconico, and G. Santagata


3198 Effect of Polysaccharide Structure on Mechanical and Thermal Properties of Galactomannan-Based Films

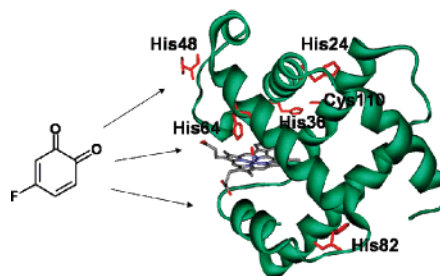
Kirsi S. Mikkonen,* Hannu Rita, Harry Helén, Riku A. Talja, Lea Hyvönen, and Maija Tenkanen


3206 Interplay Between PEO Tether Length and Ligand Spacing Governs Cell Spreading on RGD-Modified PMMA-*g*-PEO Comb Copolymers

William Kuhlman, Ikuo Taniguchi, Linda G. Griffith, and Anne M. Mayes*

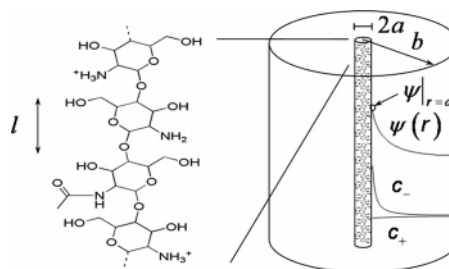

3214 Tyrosinase-Generated Quinones Induce Covalent Modification, Unfolding, and Aggregation of Human Holo-Myoglobin

Alessandro Granata, Raffaella Roncone, Enrico Monzani, and Luigi Casella*



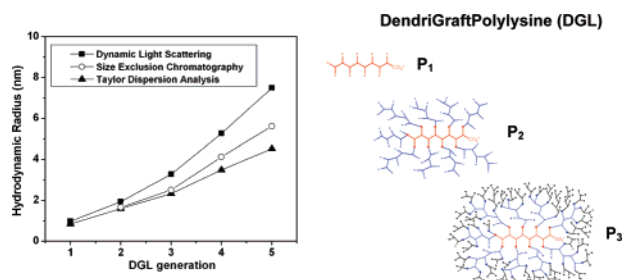
3224 Ionization and Solubility of Chitosan ■ Solutions Related to Thermosensitive Chitosan/Glycerol-Phosphate Systems

Dominic Filion, Marc Lavertu, and
Michael D. Buschmann*



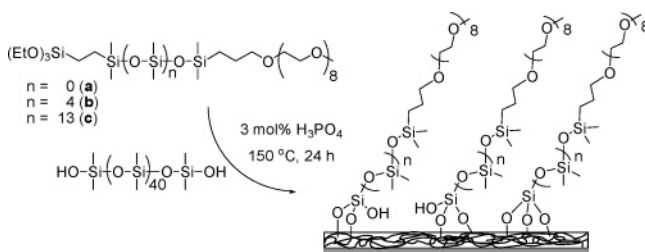
3235 Determination of Dendrigraft Poly-L-Lysine Diffusion Coefficients by Taylor Dispersion Analysis

Hervé Cottet,* Michel Martin, Alain Papillaud,
Eddy Souaïd, Hélène Collet, and
Auguste Commeyras



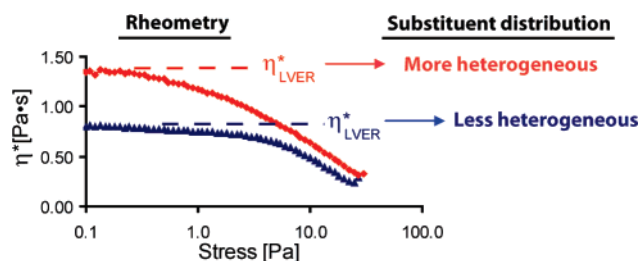
3244 Protein-Resistant Silicones: Incorporation ■ of Poly(ethylene oxide) via Siloxane Tethers

Ranjini Murthy, Casey D. Cox,
Mariah S. Hahn, and Melissa A. Grunlan*



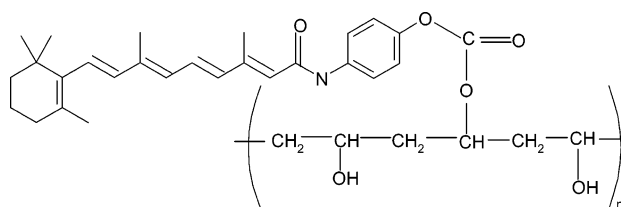
3253 A New Approach for Studying Correlations between the Chemical Structure and the Rheological Properties in Carboxymethyl Cellulose

Jonas Enebro, Dane Momcilovic,
Matti Siika-aho, and Sigbritt Karlsson*



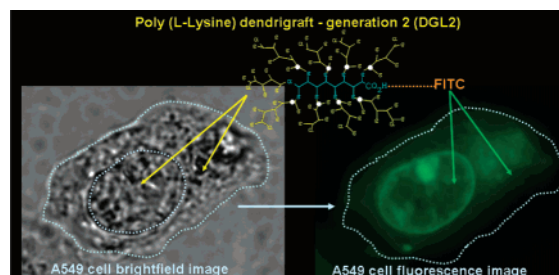
3258 Fenretinide-polyvinylalcohol Conjugates: New Systems Allowing Fenretinide Intravenous Administration

I. Orienti, G. Zuccari,* V. Bergamante,
R. Carosio, R. Gotti, M. Cilli, and
P.G. Montaldo



3263 Interaction and Transport of Poly(L-lysine) Dendrigrfts through Liposomal and Cellular Membranes: The Role of Generation and Surface Functionalization

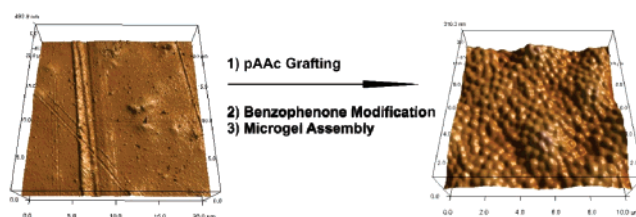
Ioannis Tsogas, Theodossis Theodossiou,*
Zili Sideratou, Constantinos M. Paleos,
Hélène Collet, Jean Christophe Rossi,
Bernard Romestand, and Auguste Commeyras



Notes

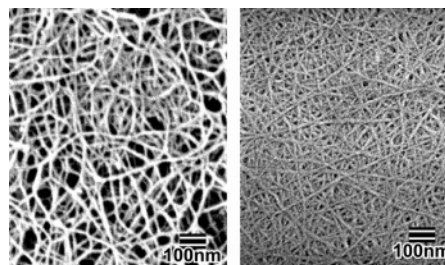
3271 Covalent Tethering of Functional Microgel Films onto Poly(ethylene terephthalate) Surfaces

Neetu Singh, Amanda W. Bridges,
Andrés J. García, and L. Andrew Lyon*



3276 Obtaining Cellulose Nanofibers with a Uniform Width of 15 nm from Wood

Kentaro Abe,* Shinichiro Iwamoto, and
Hiroyuki Yano



Comment and Reply

3279 Comment on “Conformational Changes and Aggregation of Alginic Acid as Determined By Fluorescence Correlation Spectroscopy”

Bjørn E. Christensen,* Gudmund Skjåk-Bræk, and Olav Smidsrød

3280 Reply to Comment on “Conformational Changes and Aggregation of Alginic Acid as Determined By Fluorescence Correlation Spectroscopy”

Fabrice Avaltroni, Marianne Seijo, Serge Ulrich, Serge Stoll, and Kevin J. Wilkinson*

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