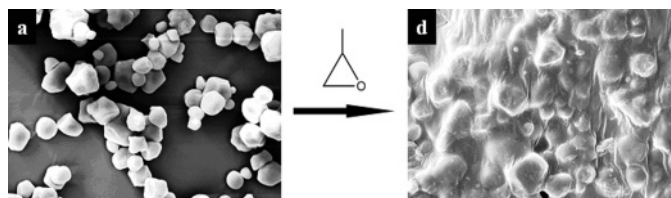


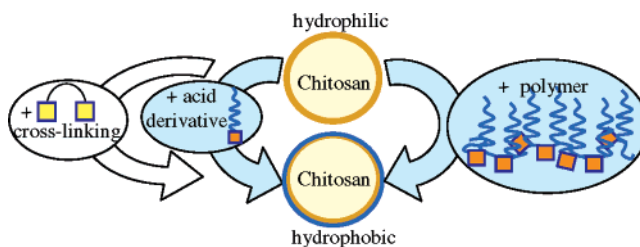
Communications

2047 Novel Thermoplastic Materials Based on the Outer-Shell Oxypropylation of Corn Starch Granules



A. J. de Menezes, D. Pasquini,
A. A. S. Curvelo, and A. Gandini*

2051 Hydrophobic Chitosan Microparticles: ■ Heterogeneous Phase Reaction of Chitosan with Hydrophobic Carbonyl Reagents

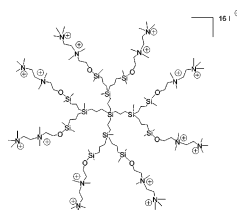


Susanne Höhne,* Ralf Frenzel,
Andreas Heppe, and Frank Simon

Articles

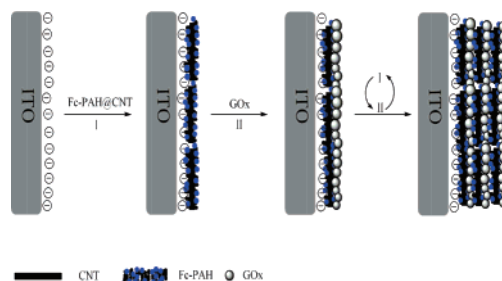
2059 Analysis of Interaction between Dendriplexes and Bovine Serum Albumin

Dzmitry Shcharbin,* Elzbieta Pedziwiatr, Louis Chonco, Jesus F. Bermejo-Martín, Paula Ortega, F. Javier de la Mata, Ramon Eritja, Rafael Gómez, Barbara Klajnert, Maria Bryszewska, and M^a Angeles Muñoz-Fernandez



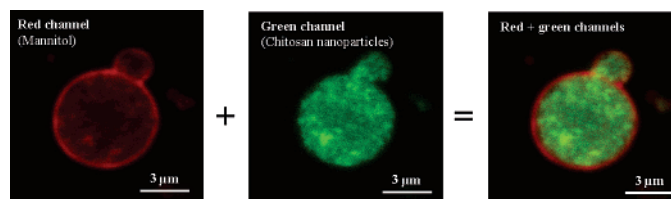
2063 Molecular “Wiring” Glucose Oxidase in Supramolecular Architecture

Liu Deng, Ying Liu, Guocheng Yang, Li Shang, Dan Wen, Fuan Wang, Zhiai Xu, and Shaojun Dong*



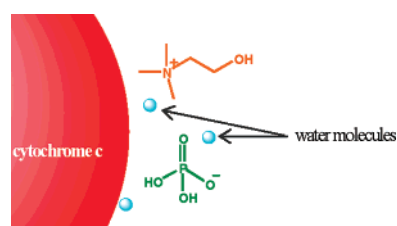
2072 Chitosan Nanoparticle-Loaded Mannitol Microspheres: Structure and Surface Characterization

Ana Grenha, Begoña Seijo, Carmen Serra, and Carmen Remuñán-López*



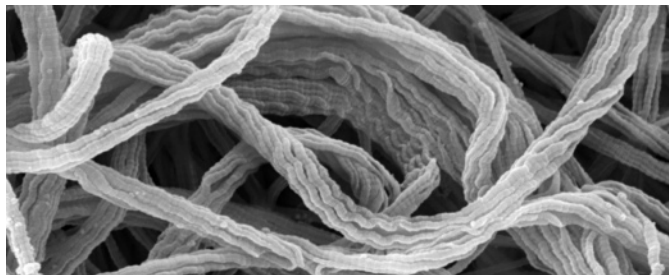
2080 Solubility and Stability of Cytochrome c in Hydrated Ionic Liquids: Effect of Oxo Acid Residues and Kosmotropicity

Kyoko Fujita, Douglas R. MacFarlane, Maria Forsyth, Masahiro Yoshizawa-Fujita, Kenichi Murata, Nobuhumi Nakamura, and Hiroyuki Ohno*

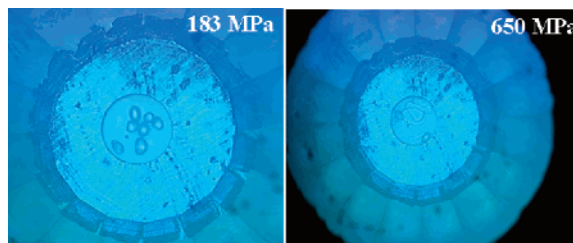


2087 Collagen Fibril Structure Is Affected by Collagen Concentration and Decorin

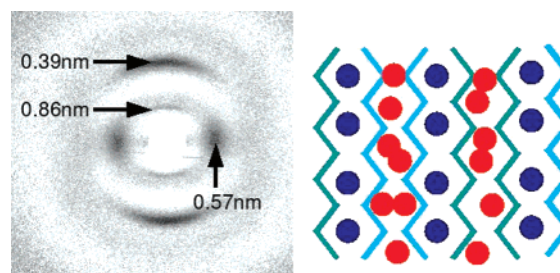
Mario Raspanti,* Manuela Viola,
Myriam Sonaggere, Maria Enrica Tira, and
Ruggero Tenni

**2092 High-Pressure Potato Starch Granule Gelatinization: Synchrotron Radiation Micro-SAXS/WAXS Using a Diamond Anvil Cell**

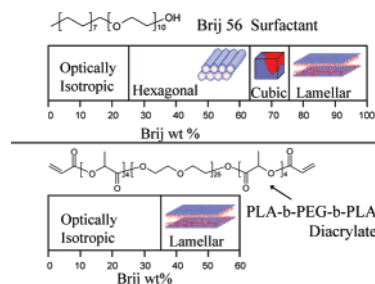
R. Gebhardt, M. Hanfland, M. Mezouar, and
C. Riekkel*

**2098 Evidence for Egg-Box-Compatible Interactions in Calcium–Alginate Gels from Fiber X-ray Diffraction**

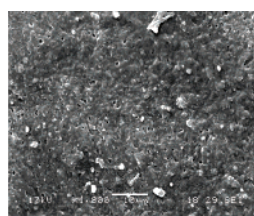
Pawel Sikorski,* Frode Mo,
Gudmund Skjåk-Bræk, and Bjørn T. Stokke

**2104 Nanostructured Biodegradable Polymer Networks Using Lyotropic Liquid Crystalline Templates**

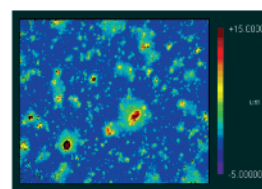
Jason D. Clapper, Stephanie L. Iverson, and
C. Allan Guymon*

**2112 Fabrication and Characterization of Biodegradable Poly(3-hydroxybutyrate) Composite Containing Bioglass**

Superb K. Misra, Showan N. Nazhat,
Sabeel P. Valappil, M. Moshrefi-Torbati,
Robert J. K. Wood, Ipsita Roy, and
Aldo R. Boccaccini*



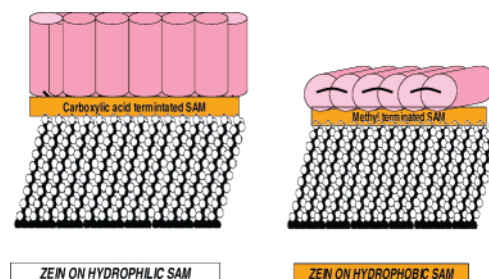
P(3HB)/20wt% Bioglass particles



Surface map of P(3HB)/20wt% Bioglass particles

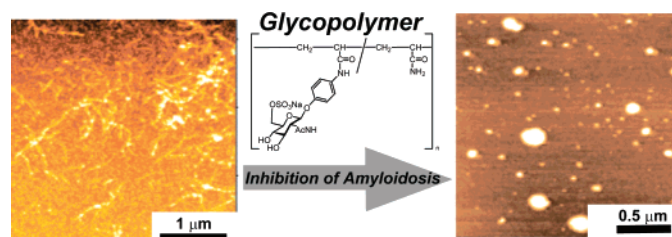
2120 Adsorption of Zein on Surfaces with Controlled Wettability and Thermal Stability of Adsorbed Zein Films

S. Subramanian and S. Sampath*



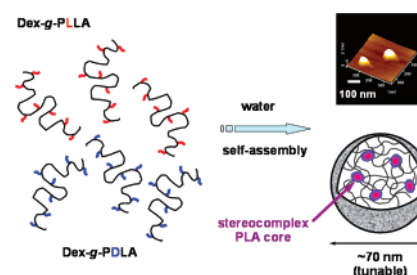
2129 Inhibition of Alzheimer Amyloid Aggregation with Sulfated Glycopolymers

Yoshiko Miura,* Kikuko Yasuda, Kiyofumi Yamamoto, Mihoko Koike, Yoshihiro Nishida, and Kazukiyo Kobayashi



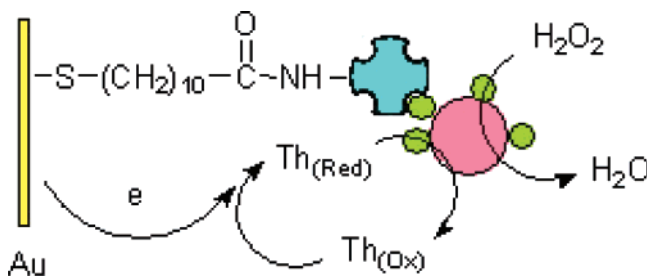
2135 Biodegradable Nanogel Formation of Poly(lactide)-Grafted Dextran Copolymer in Dilute Aqueous Solution and Enhancement of Its Stability by Stereocomplexation

Koji Nagahama, Yousuke Mori, Yuichi Ohya,* and Tatsuro Ouchi*



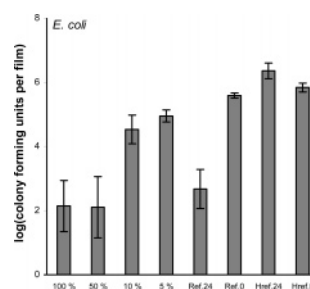
2142 Recognition of Glycoprotein Peroxidase via Con A-Carrying Self-Assembly Layer on Gold

Songqin Liu,* Kewei Wang, Dan Du,* Yueming Sun, and Lin He



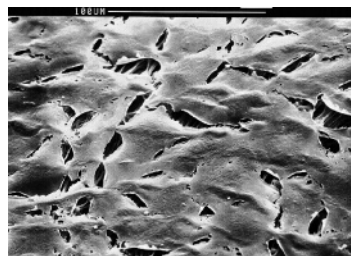
2149 Nonleaching Antimicrobial Films Prepared from Surface-Modified Microfibrillated Cellulose

Martin Andresen,* Per Stenstad, Trond Møretrø, Solveig Langsrud, Kristin Syverud, Leena-Sisko Johansson, and Per Stenius



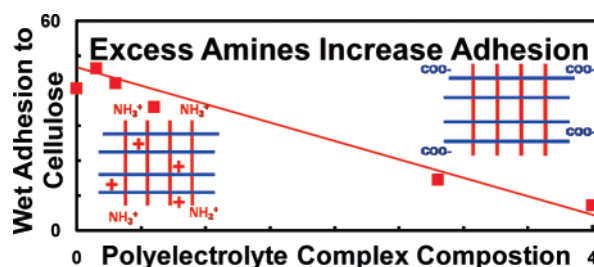
2156 Poly(styrenesulfonate)/Poly(allylamine) Multilayers: A Route To Favor Endothelial Cell Growth on Expanded Poly(tetrafluoroethylene) Vascular Grafts

Vanessa Moby, Cédric Boura, Halima Kerdjoudj, Jean-Claude Voegel, Luc Marchal, Dominique Dumas, Pierre Schaaf, Jean-François Stoltz, and Patrick Menu*



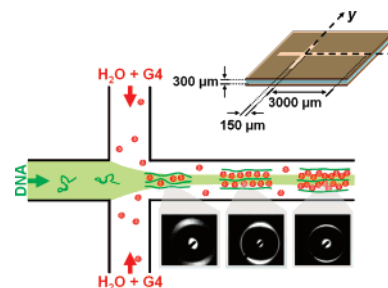
2161 Adhesion of Colloidal Polyelectrolyte Complexes to Wet Cellulose

Xianhua Feng, Kristin Pouw, Vincent Leung, and Robert Pelton*



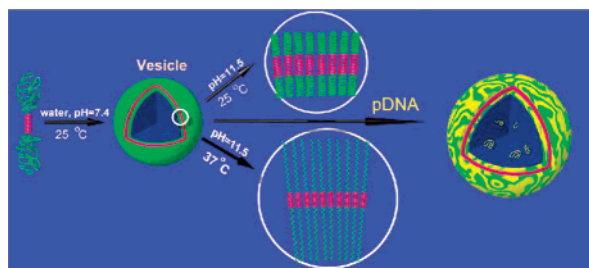
2167 Highly Packed and Oriented DNA Mesophases Identified Using in Situ Microfluidic X-ray Microdiffraction

Thomas Pfohl,* Alexander Otten, Sarah Köster, Rolf Dootz, Bernd Struth, and Heather M. Evans



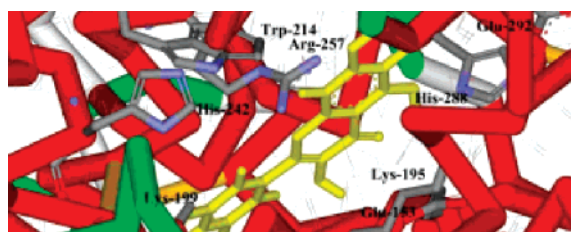
2173 Architecturally Induced Multiresponsive Vesicles from Well-Defined Polypeptides. Formation of Gene Vehicles

Hermis Iatrou,* Henrich Frielinghaus, Sirkku Hanski, Nikos Ferderigos, Janne Ruokolainen, Olli Ikkala, Dieter Richter, Jimmy Mays, and Nikos Hadjichristidis*

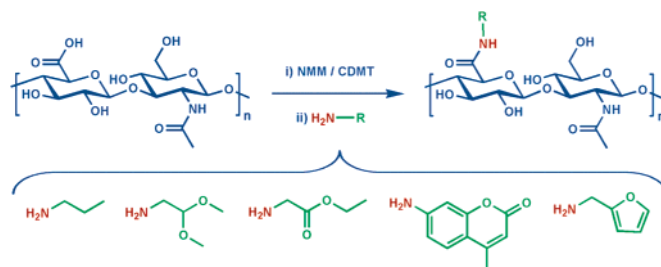


2182 Characterization of the Myricetin–Human Serum Albumin Complex by Spectroscopic and Molecular Modeling Approaches

Chuan Qin, Meng-Xia Xie,* and Yuan Liu

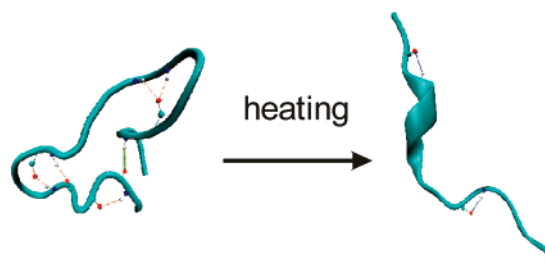


2190 Hyaluronic Acid Derivatives Prepared in Aqueous Media by Triazine-Activated Amidation



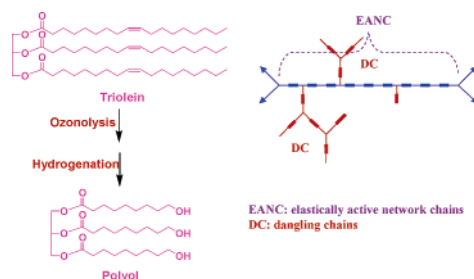
Kristoffer Bergman, Christer Elvingson, Jöns Hilborn, Göran Svensk, and Tim Bowden*

2196 Temperature-Induced Conformational Transition of a Model Elastin-like Peptide GVG(VPGVG)₃ in Water



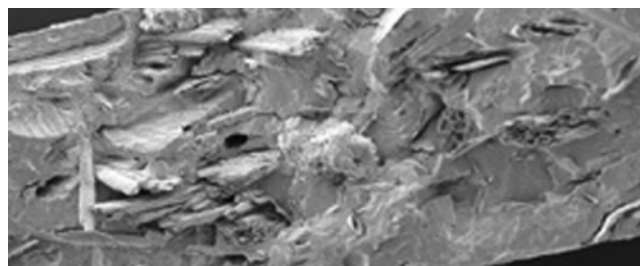
Aliaksei Krukau, Ivan Brovchenko,* and Alfons Geiger

2203 Physical Properties of Polyurethane Plastic Sheets Produced from Polyols from Canola Oil



Xiaohua Kong and Suresh S. Narine*

2210 Comparative Life Cycle Studies on Poly(3-hydroxybutyrate)-Based Composites as Potential Replacement for Conventional Petrochemical Plastics



Matteo Pietrini, Lex Roes, Martin K. Patel,* and Emo Chiellini*

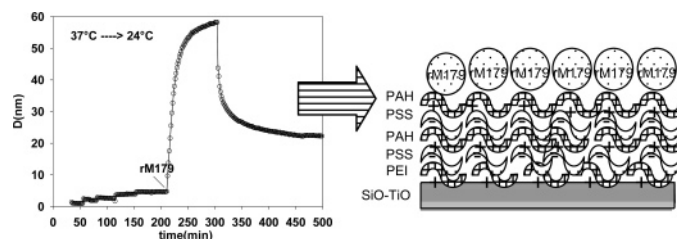
2219 Structure and Stability of Complex Coacervate Core Micelles with Lysozyme



Saskia Lindhoud,* Renko de Vries, Willem Norde, and Martien A. Cohen Stuart

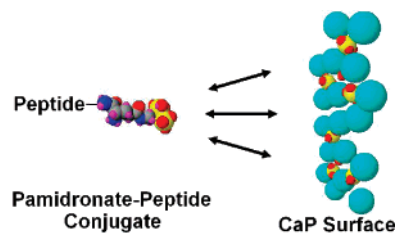
2228 Polyelectrolyte-Mediated Adsorption of Amelogenin Monomers and Nanospheres Forming Mono- or Multilayers

Csilla Gergely,* Balázs Szalontai,
Janet Moradian-Oldak, and
Frédéric J. G. Cuisinier



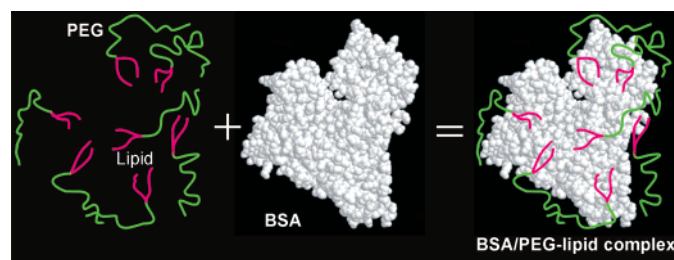
2237 Synthesis and in Vitro Hydroxyapatite Binding of Peptides Conjugated to Calcium-Binding Moieties

Matthew B. Murphy, Jeffrey D. Hartgerink,
Achim Goepferich, and Antonios G. Mikos*



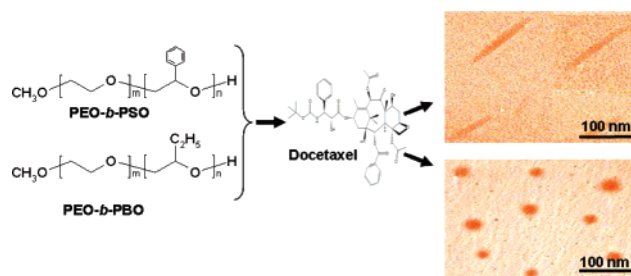
2244 Complex Formation of Bovine Serum Albumin with a Poly(ethylene glycol) Lipid Conjugate

Valeria Castelletto,* Marta Krysmann,
Antonios Kelarakis, and Paula Jauregi



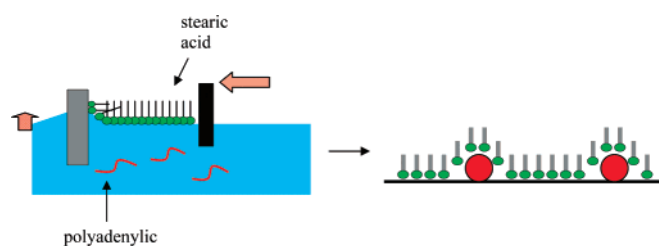
2250 Solubilization of Docetaxel in Poly(ethylene oxide)-*block*-poly(butylene/styrene oxide) Micelles

Mahmoud Elsabahy, Marie-Ève Perron,
Nicolas Bertrand, Ga-er Yu, and
Jean-Christophe Leroux*



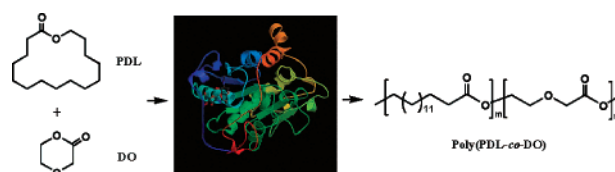
2258 Self-Assembly Effect during the Adsorption of Polynucleotides on Stearic Acid Langmuir–Blodgett Monolayer

Evgeniy V. Dubrovin,* Sergey N. Staritsyn,
Sergey A. Yakovenko, and Igor V. Yaminsky



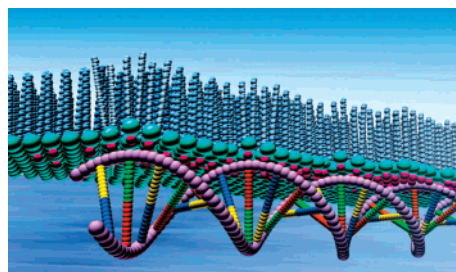
2262 Lipase-Catalyzed Copolymerization of ω -Pentadecalactone with *p*-Dioxanone and Characterization of Copolymer Thermal and Crystalline Properties

Zhaozhong Jiang, Himanshu Azim, Richard A. Gross,* Maria Letizia Focarete, and Mariastella Scandola*



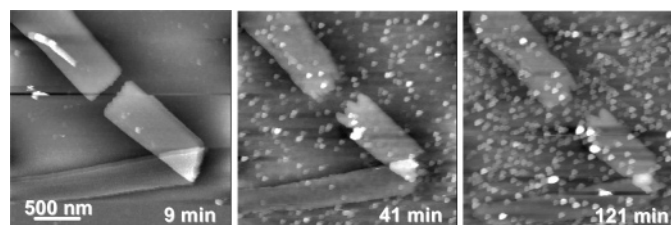
2270 Structural Study of the DNA Dipalmitoylphosphatidylcholine Complex at the Air–Water Interface

Luigi Cristofolini,* Tatiana Berzina, Svetlana Erokhina, Oleg Konovalov, and Victor Erokhin



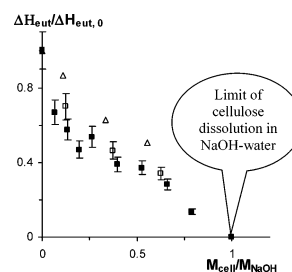
2276 Adsorption and Hydrolysis Reactions of Poly(hydroxybutyric acid) Depolymerases Secreted from *Ralstonia pickettii* T1 and *Penicillium funiculosum* onto Poly[(*R*)-3-hydroxybutyric acid]

Keiji Numata, Koichi Yamashita, Masahiro Fujita, Takeharu Tsuge, Ken-ichi Kasuya, Tadahisa Iwata, Yoshiharu Doi, and Hideki Abe*



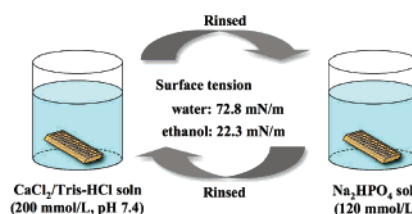
2282 Structure of Aqueous Solutions of Microcrystalline Cellulose/Sodium Hydroxide below 0 °C and the Limit of Cellulose Dissolution

Magali Egal, Tatiana Budtova,* and Patrick Navard*



2288 Formation of Hydroxyapatite Provides a Tunable Protein Reservoir within Porous Polyester Membranes by an Improved Soaking Process

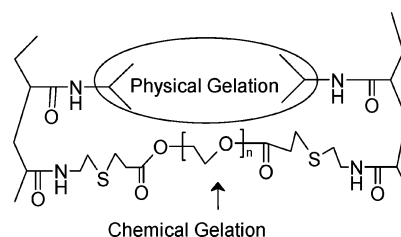
Junji Watanabe and Mitsuru Akashi*



Improved Alternate Soaking Process for Biomaterialization

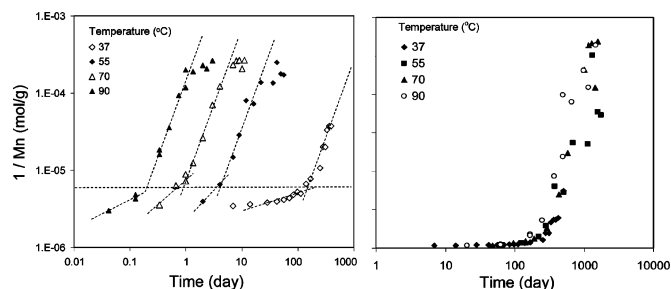
2294 Simultaneously Physically and Chemically Gelling Polymer System Utilizing a Poly(NIPAAm-co-cysteamine)-Based Copolymer

Stephanie A. Robb, Bae Hoon Lee, Ryan McLemore, and Brent L. Vernon*



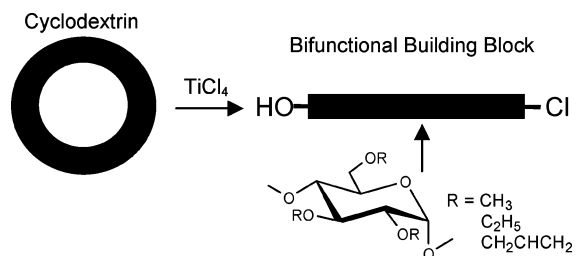
2301 Kinetics and Time–Temperature Equivalence of Polymer Degradation

SuPing Lyu,* James Schley, Brian Loy, Deanna Lind, Christopher Hobot, Randall Sparer, and Darrel Untereker



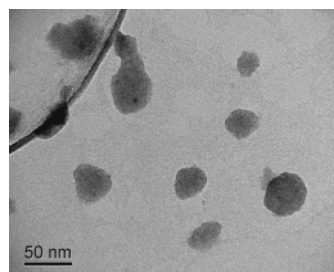
2311 Bifunctional Building Blocks for Glyco-Architectures by TiCl_4 -Promoted Ring Opening of Cyclodextrin Derivatives

Andreas Bösch and Petra Mischnick*



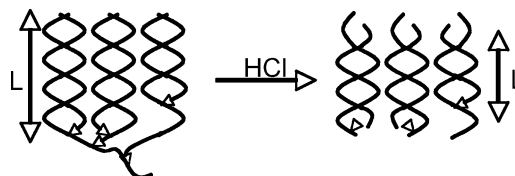
2321 Chain Conformation of Water-Insoluble Hyperbranched Polysaccharide from Fungus

Yongzhen Tao, Lina Zhang,* Fan Yan, and Xiaojun Wu



2329 Effects of Structural Imperfection on Gelatinization Characteristics of Amylopectin Starches with A- and B-Type Crystallinity

Natalia K. Genkina, Jeanette Wikman, Eric Bertoft,* and Vladimir P. Yuryev



Additions & Corrections

2336 Synthesis, Characterization, Properties, and Drug Release of Poly(alkyl methacrylate-*b*-isobutylene-*b*-alkyl methacrylate)

Jae Cheol Cho, Guanglou Cheng, Dingsong Feng, Rudolf Faust,* Robert Richard, Marlene Schwarz, Ken Chan, and Mark Boden*

■ Supporting Information is available free of charge via the Internet at <http://pubs.acs.org>.

* In papers with more than one author, the asterisk indicates the name of the author to whom inquiries about the paper should be addressed.