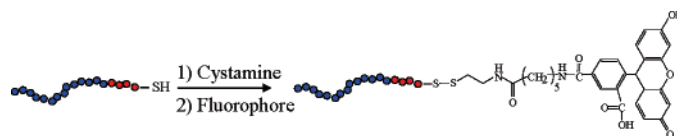


Communications

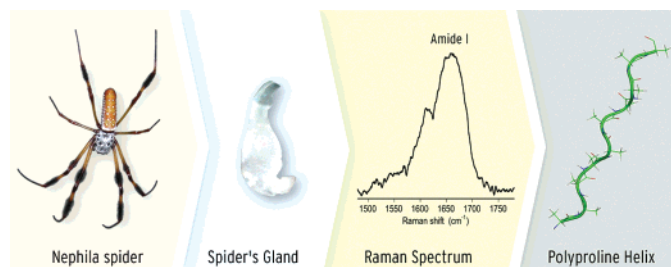
- 2337 Facile Synthetic Procedure for ω , Primary Amine Functionalization Directly in Water for Subsequent Fluorescent Labeling and Potential Bioconjugation of RAFT-Synthesized (Co)Polymers**



Adam W. York, Charles W. Scales,
Faqing Huang, and Charles L. McCormick*

- 2342 In Situ Conformation of Spider Silk Proteins
■ in the Intact Major Ampullate Gland and in Solution**

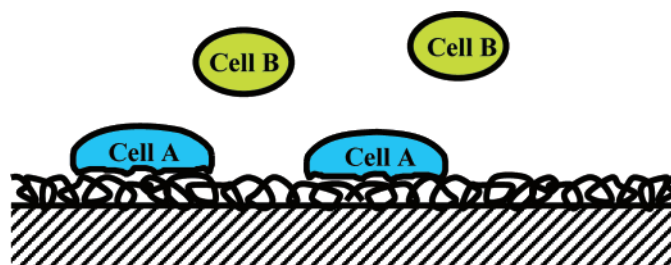
Thierry Lefèvre, Jérémie Leclerc,
Jean-François Rioux-Dubé, Thierry Buffeteau,
Marie-Claude Paquin, Marie-Eve Rousseau,
Isabelle Cloutier, Michèle Auger,
Stéphane M. Gagné, Simon Boudreault,
Conrad Cloutier, and Michel Pérolet*



Articles

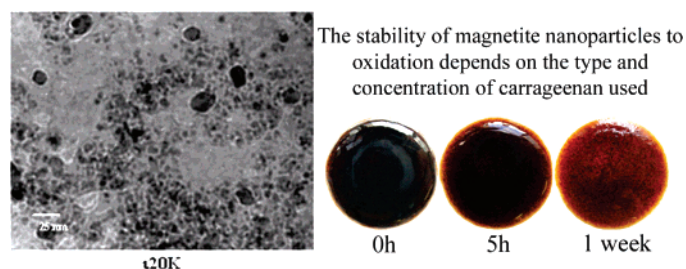
2345 Cell Sorting Technique Based on Thermoresponsive Differential Cell Adhesiveness

Takehisa Matsuda,* Yuko Saito, and Kaori Shoda



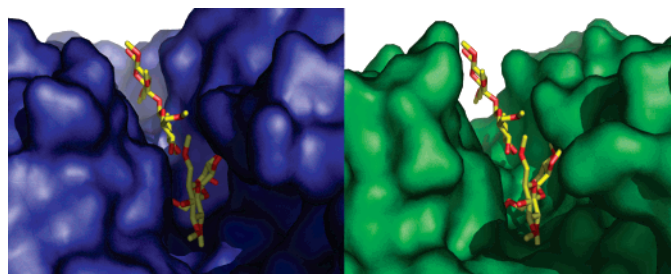
2350 In Situ Synthesis of Magnetite Nanoparticles in Carrageenan Gels

Ana L. Daniel-da-Silva,* T. Trindade, Brian J. Goodfellow, Benilde F. O. Costa, Rui N. Correia, and Ana M. Gil



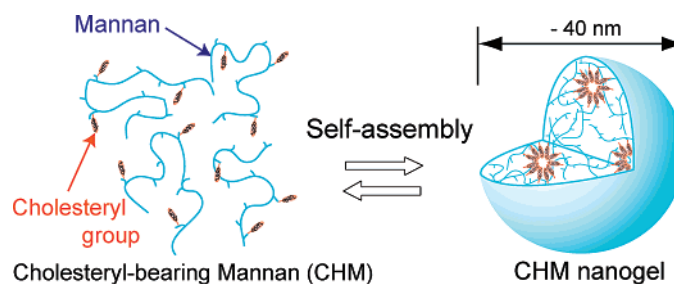
2358 Endoglucanase Sensitivity for Substituents in Methyl Cellulose Hydrolysis Studied Using MALDI-TOFMS for Oligosaccharide Analysis and Structural Analysis of Enzyme Active Sites

U. Schagerl f, H. Schagerl f,* D. Momcilovic, G. Brinkmalm, and F. Tjerneld



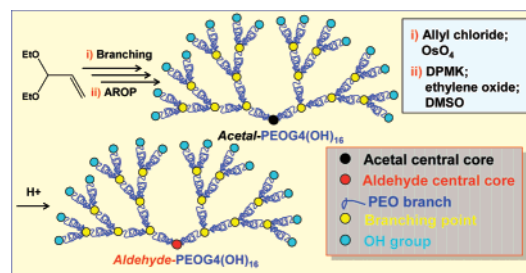
2366 Self-Assembled Nanogels of Cholesteryl-Modified Polysaccharides: Effect of the Polysaccharide Structure on Their Association Characteristics in the Dilute and Semidilute Regimes

Eri Akiyama, Nobuyuki Morimoto, Piotr Kujawa, Yayoi Ozawa, Fran oise M. Winnik,* and Kazunari Akiyoshi*



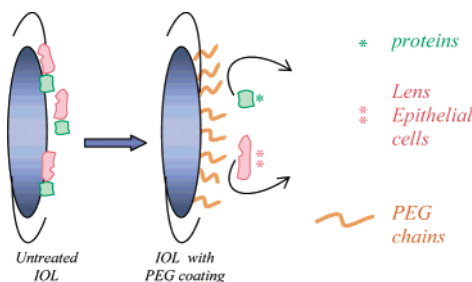
2374 Bouquet-type Dendrimerlike Poly(ethylene Oxide)s with a Focal Aldehyde and Peripheral Hydroxyls

Xiaoshuang Feng, Daniel Taton,*
Elliot L. Chaikof, and Yves Gnanou*



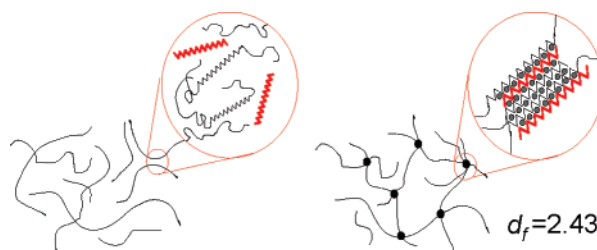
2379 Improved Performances of Intraocular Lenses by Poly(ethylene glycol) Chemical Coatings

Dimitriya Bozukova, Christophe Pagnoulle,
Marie-Claire De Pauw-Gillet, Simon Desbief,
Roberto Lazzaroni, Nadia Ruth,
Robert Jérôme, and Christine Jérôme*



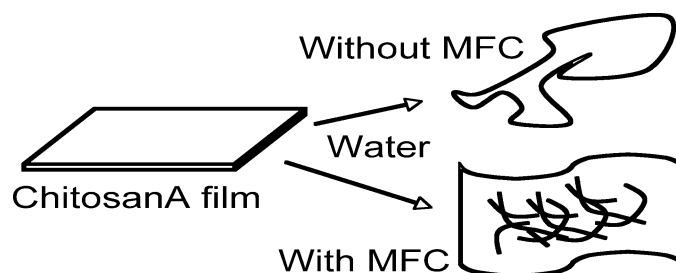
2388 Influence of Oligoguluronates on Alginate Gelation, Kinetics, and Polymer Organization

Tor Erik Jørgensen, Marit Sletmoen,
Kurt I. Draget, and Bjørn T. Stokke*



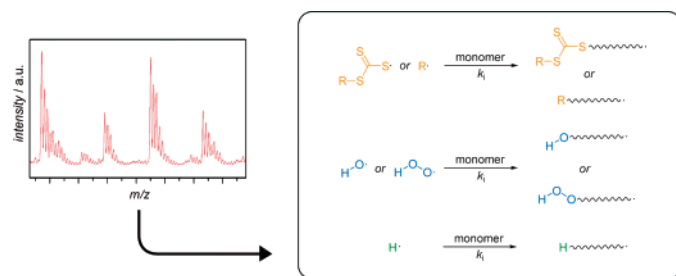
2398 Enhancement of the Wet Properties of Transparent Chitosan–Acetic-Acid–Salt Films Using Microfibrillated Cellulose

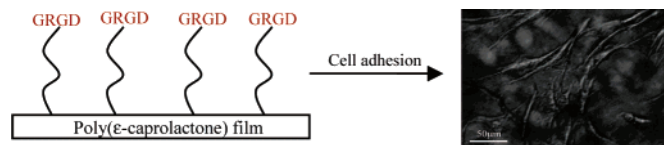
David Nordqvist, Johan Idermark,
Mikael S. Hedenqvist,* Mikael Gällstedt,
Mikael Ankerfors, and Tom Lindström



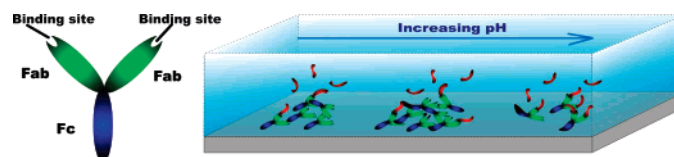
2404 Mapping Formation Pathways and End Group Patterns of Stimuli-Responsive Polymer Systems via High-Resolution Electrospray Ionization Mass Spectrometry

Gene Hart-Smith, Tara M. Lovestead,
Thomas P. Davis, Martina H. Stenzel, and
Christopher Barner-Kowollik*



2416 Addition of Biological Functionality to Poly(ϵ -caprolactone) Films

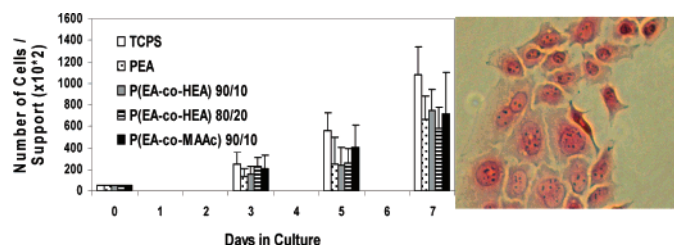
Emma L. Prime, Zuratul Ain Abdul Hamid,
Justin J. Cooper-White, and Greg G. Qiao*

2422 Relationship between the Structural Conformation of Monoclonal Antibody Layers and Antigen Binding Capacity

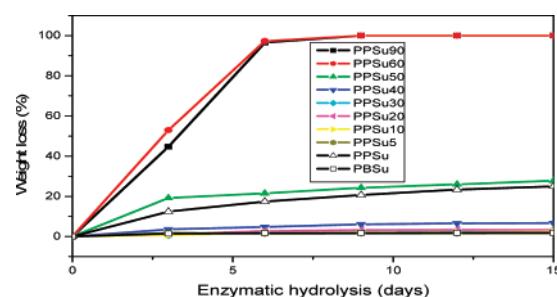
Hai Xu, Xiubo Zhao, Jian R. Lu,* and
David E. Williams

2429 Future Design of a New Keratoprosthesis. Physical and Biological Analysis of Polymeric Substrates for Epithelial Cell Growth

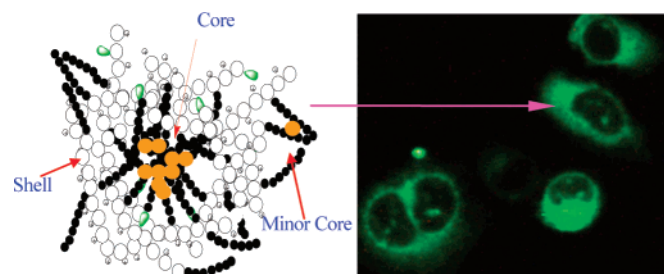
Alberto J. Campillo-Fernandez, Silvia Pastor,
Marta Abad-Collado, Laurent Bataille,
Jose L. Gomez-Ribelles,
Jose M. Meseguer-Dueñas,
Manuel Monleon-Pradas, Alberto Artola,
Jorge L. Alio, and Jose M. Ruiz-Moreno*

**2437 Synthesis, Cocrystallization, and Enzymatic Degradation of Novel Poly(butylene-co-propylene succinate) Copolymers**

George Z. Papageorgiou and
Dimitrios N. Bikiaris*

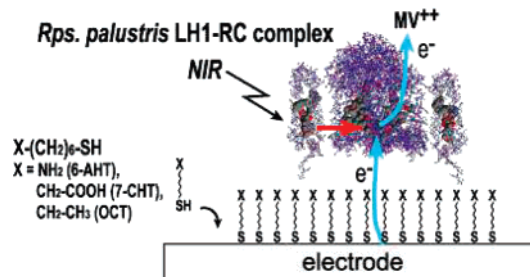
**2450 Polymeric Micelles with Glycolipid-like Structure and Multiple Hydrophobic Domains for Mediating Molecular Target Delivery of Paclitaxel**

Jian You, Fu-Qiang Hu,* Yong-Zhong Du, and
Hong Yuan



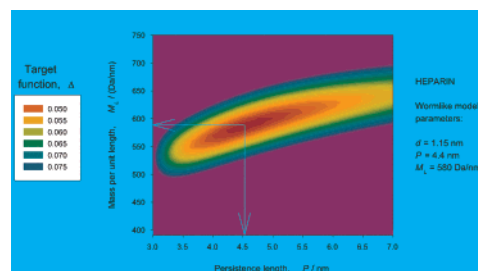
**2457 Self-Assembled Monolayer of
■ Light-Harvesting Core Complexes from
Photosynthetic Bacteria on a Gold
Electrode Modified with Alkanethiols**

Masaharu Kondo, Yukari Nakamura,
Kaoru Fujii, Morio Nagata, Yoshiharu Suemori,
Takehisa Dewa, Kouji Iida, Alastair T. Gardiner,
Richard J. Cogdell, and Mamoru Nango*



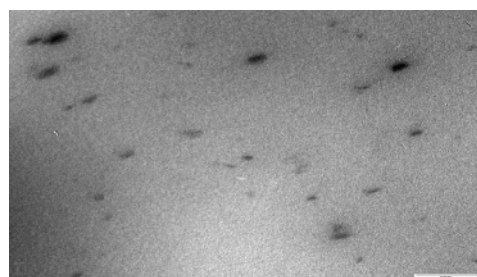
**2464 Equivalent Radii and Ratios of Radii from
Solution Properties as Indicators of
Macromolecular Conformation, Shape, and
Flexibility**

A. Ortega and J. García de la Torre*



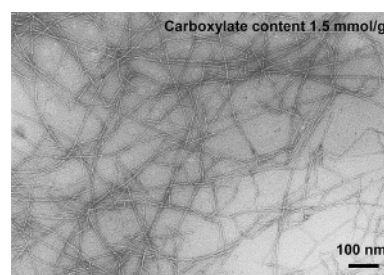
**2476 Modification of Brittle Polylactide by Novel
Hyperbranched Polymer-Based
Nanostructures**

Rahul Bhardwaj and Amar K. Mohanty*



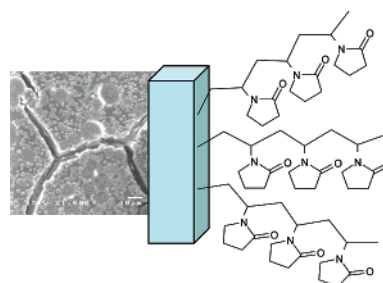
**2485 Cellulose Nanofibers Prepared by
TEMPO-Mediated Oxidation of Native
Cellulose**

Tsuguyuki Saito, Satoshi Kimura,
Yoshiharu Nishiyama, and Akira Isogai*



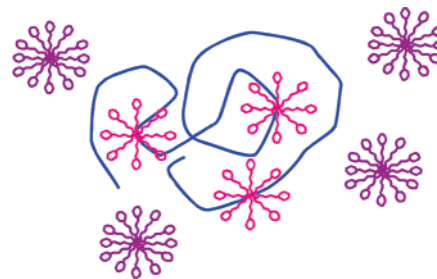
**2492 Covalent Grafting of Poly(L-lactide) to Tune
the In Vitro Degradation Rate**

Martina Källrot, Ulrica Edlund, and
Ann-Christine Albertsson*

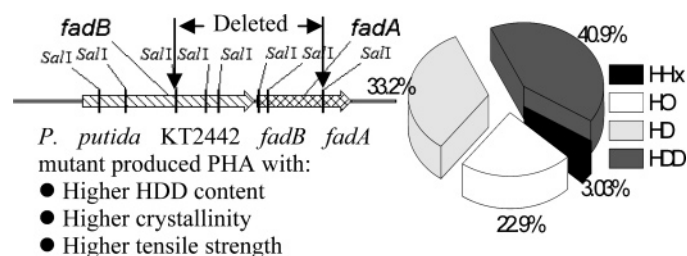


2497 Physicochemical Studies on the Interaction between *N*-Decanoyl-*N*-methylglucamide and Bovine Serum Albumin

C. Carnero Ruiz,* J. M. Hierrezuelo, J. Aguiar, and J. M. Peula-García


2504 Production of Polyhydroxyalkanoates with High 3-Hydroxydodecanoate Monomer Content by *fadB* and *fadA* Knockout Mutant of *Pseudomonas putida* KT2442

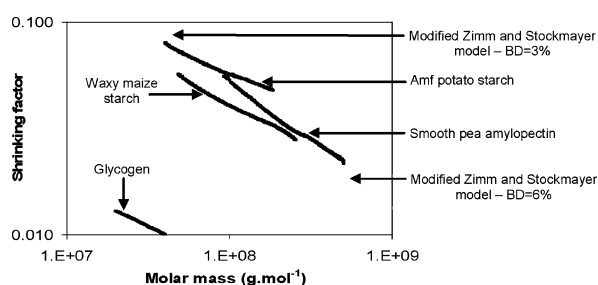
Shao-Ping Ouyang, Rong Cong Luo, Si-Si Chen, Qian Liu, Ahleum Chung, Qiong Wu, and Guo-Qiang Chen*


2512 Large and Giant Vesicles “Decorated” with Chitosan: Effects of pH, Salt or Glucose Stress, and Surface Adhesion

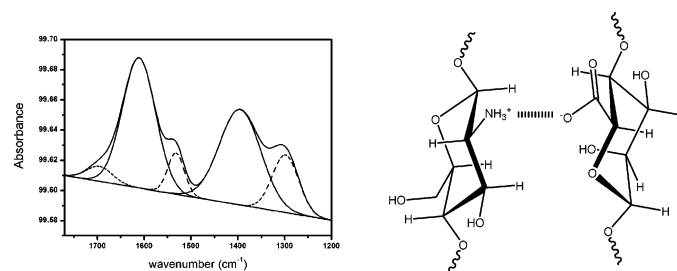
Francois Quemeneur, Ayman Rammal, Marguerite Rinaudo, and Brigitte Pépin-Donat*


2520 Branching Features of Amylopectins and Glycogen Determined by Asymmetrical Flow Field Flow Fractionation Coupled with Multiangle Laser Light Scattering

Agnès Rolland-Sabaté,* Paul Colonna, Maria Guadalupe Mendez-Montealvo, and Véronique Planchot

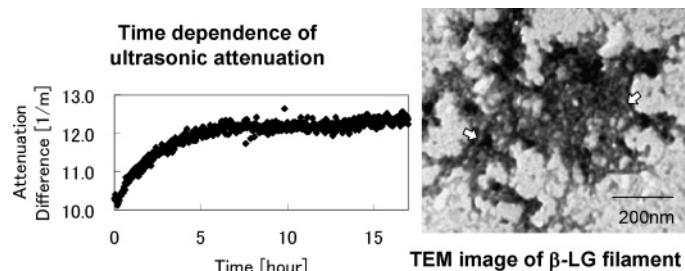

2533 Interactions between Alginate and Chitosan Biopolymers Characterized Using FTIR and XPS

Gwen Lawrie, Imelda Keen, Barry Drew, Adrienne Chandler-Temple, Llewellyn Rintoul, Peter Fredericks, and Lisbeth Grøndahl*



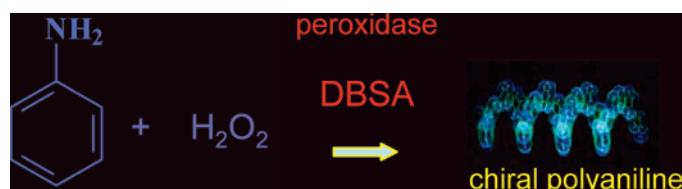
2542 Characterization of β -Lactoglobulin A Gelation in the Presence of Sodium Caprate by Ultrasound Spectroscopy and Electron Microscopy

Naoko Yuno-Ohta* and Milena Corredig



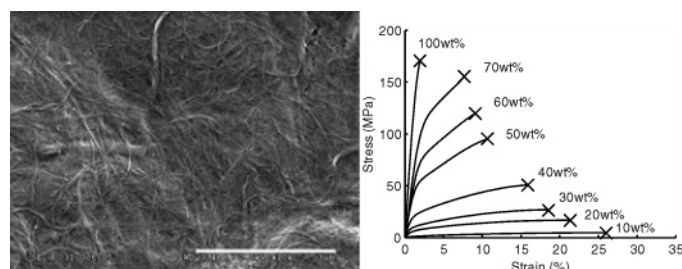
2549 Micellar Peroxidase-Catalyzed Synthesis of Chiral Polyaniline

Alexei V. Caramyshev, Vladimir M. Lobachov, Daniel V. Selivanov, Eugene V. Sheval, Andrei Kh. Vorobiev, Olesja N. Katasova, Vladimir Y. Polyakov, Alexander A. Makarov, and Ivan Yu. Sakharov*



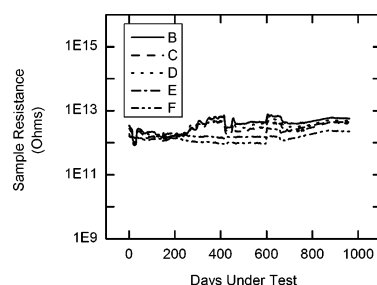
2556 Biomimetic Polysaccharide Nanocomposites of High Cellulose Content and High Toughness

Anna J. Svagan, My A. S. Azizi Samir, and Lars A. Berglund*



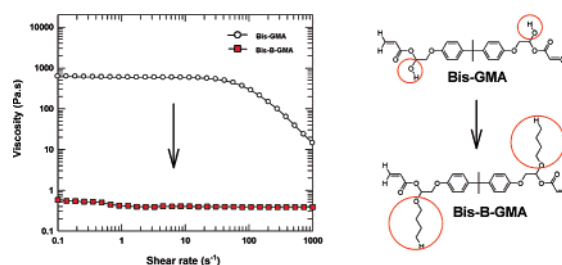
2564 Stable Biopassive Insulation Synthesized by Initiated Chemical Vapor Deposition of Poly(1,3,5-trivinyltrimethylcyclotrisiloxane)

W. S. O'Shaughnessy, S. K. Murthy, D. J. Edell, and K. K. Gleason*



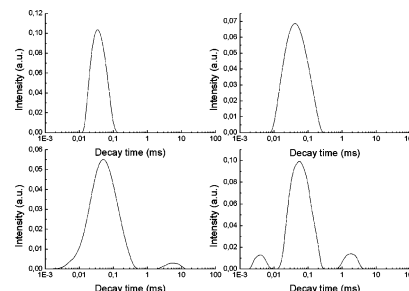
2571 Dental Restorative Composites Fabricated from a Novel Organic Matrix without an Additional Diluent

M. Y. Jeon, S. H. Yoo, J. H. Kim, C. K. Kim,* and B. H. Cho



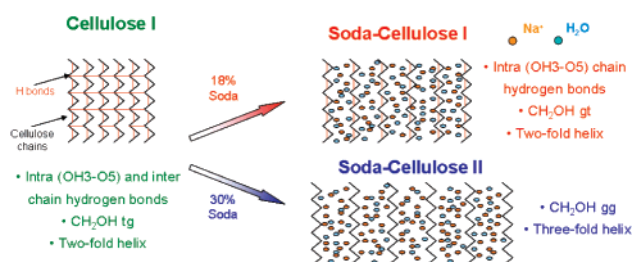
2576 Energetics and Conformational Changes upon Complexation of a Phenothiazine Drug with Human Serum Albumin

Mohammad Arif Cheema, Pablo Taboada,*
Silvia Barbosa, Emilio Castro,
Mohammad Siddiq, and Víctor Mosquera



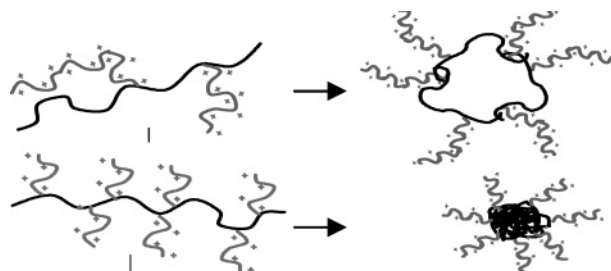
2586 Solid-State ^{13}C NMR Study of Na–Cellulose Complexes

Fabrizio Porro, Olivier Bédoué,
Henri Chanzy, and Laurent Heux*



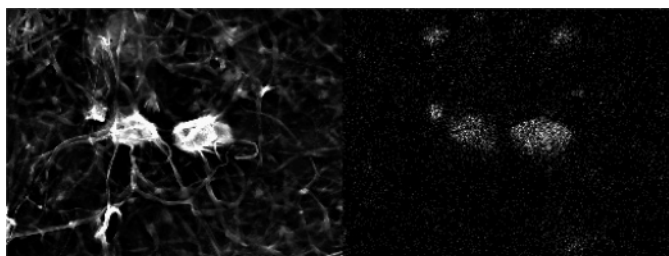
2594 Novel Amphiphilic Poly(ϵ -caprolactone)-*g*-poly(L-lysine) Degradable Copolymers

B. Nottelet, A. El Ghzaoui, J. Coudane,* and
M. Vert



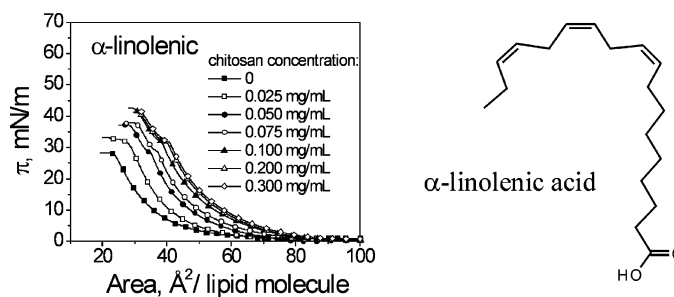
2602 Osteoblastic Phenotype Expression of MC3T3-E1 Cultured on Electrospun Polycaprolactone Fiber Mats Filled with Hydroxyapatite Nanoparticles

Patcharaporn Wutticharoenmongkol,
Prasit Pavasant, and Pitt Supaphol*



2611 Chitosan as a Lipid Binder: A Langmuir Monolayer Study of Chitosan–Lipid Interactions

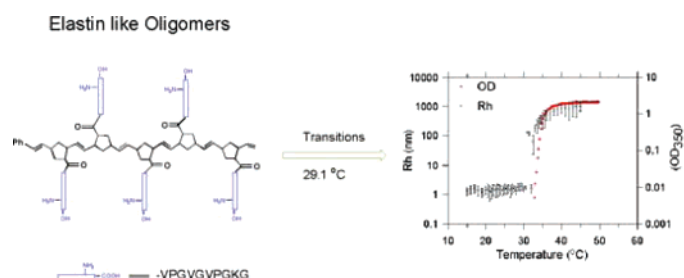
Paweł Wydro, Barbara Krajewska,* and
Katarzyna Hąc-Wydro



Notes

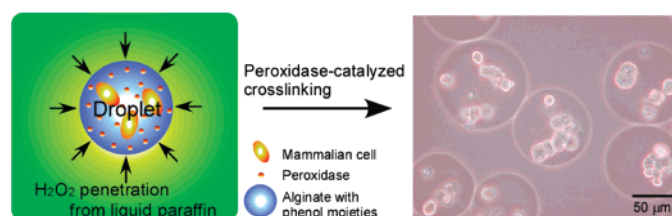
2618 Multifunctional Thermally Transitioning Oligopeptides Prepared by Ring-Opening Metathesis Polymerization

S. Kenny Roberts, Ashutosh Chilkoti, and Lori A. Setton*



2622 Peroxidase-Catalyzed Cell Encapsulation in Subsieve-Size Capsules of Alginate with Phenol Moieties in Water-Immiscible Fluid Dissolving H_2O_2

Shinji Sakai,* Ichiro Hashimoto, Yuko Ogushi, and Koei Kawakami



Additions & Corrections

2627 A Study of the Chain Stiffness and Extension of Alginates, in Vitro Epimerized Alginates, and Periodate-Oxidized Alginates Using Size-Exclusion Chromatography Combined with Light Scattering and Viscosity Detectors

Inger Mari Nygård Vold, Kåre A. Kristiansen, and Bjørn E. Christensen*

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