

BioMACROMOLECULES

An interdisciplinary journal focused at the interface
of polymer science and the biological sciences

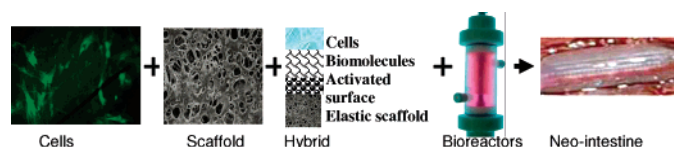
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Reviews

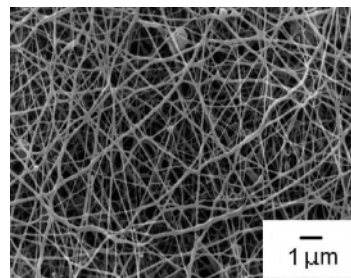
2701 Tissue Engineering of Small Intestine—Current Status



Ashish Gupta, Anupam Dixit, Kevin M. Sales,
Marc C. Winslet, and Alexander M. Seifalian*

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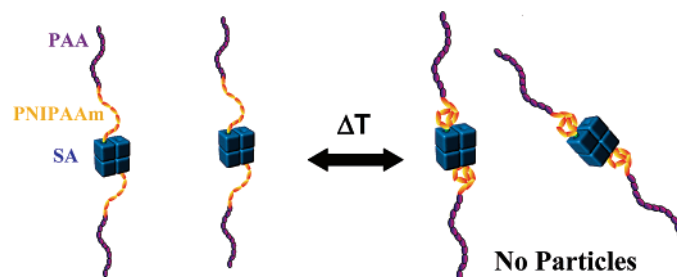
2710 Stability Improvement of Electrospun ■ Chitosan Nanofibrous Membranes in Neutral or Weak Basic Aqueous Solutions



Pakakrong Sangsanoh and Pitt Supaphol*

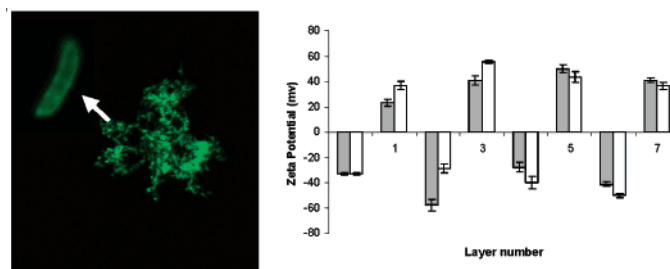
2736 Controlling the Aggregation of Conjugates of Streptavidin with Smart Block Copolymers Prepared via the RAFT Copolymerization Technique

Samarth Kulkarni, Christine Schilli, Boris Grin, Axel H. E. Müller, Allan S. Hoffman, and Patrick S. Stayton*



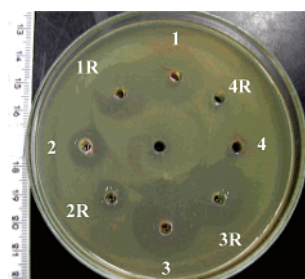
2742 Biorecognition through Layer-by-Layer Polyelectrolyte Assembly: In-Situ Hybridization on Living Cells

Anna L. Hillberg and Maryam Tabrizian*



2751 From Natural Products to Polymeric Derivatives of "Eugenol": A New Approach for Preparation of Dental Composites and Orthopedic Bone Cements

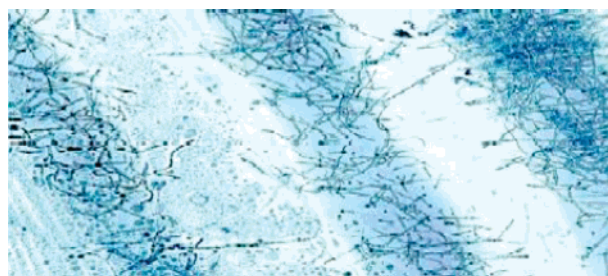
Luis Rojo, Blanca Vazquez,* Juan Parra, Antonio López Bravo, Sanjukta Deb, and Julio San Roman



1. Eugenol
2. Eugenyl Methacrylate
3. Ethoxyeugenyl Methacrylate
4. Ethyl Methacrylate

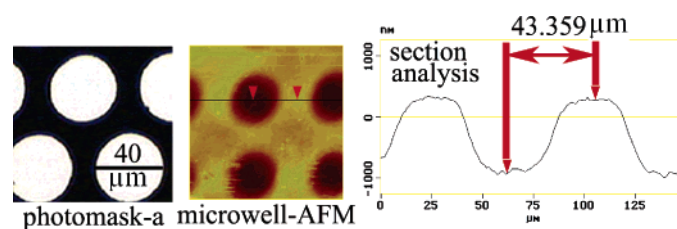
2762 Surface-Active Antifungal Polyquaternary Amine

Thangappan Ravikumar, Hironobu Murata, Richard R. Koepsel, and Alan J. Russell*



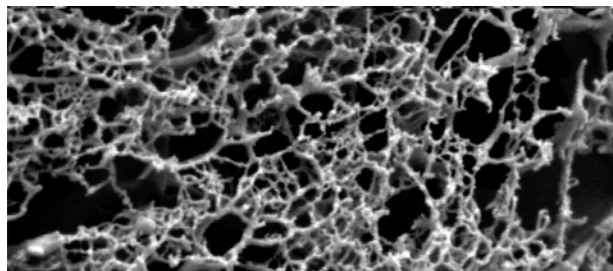
2770 Micro/Nanoscale Well and Channel Fabrication on Organic Polymer Substrates via a Combination of Photochemical and Alkaline Hydrolysis Etchings

Peng Yang, Xu Zhang, Jingyi Xie, Jinchun Chen, and Wantai Yang*

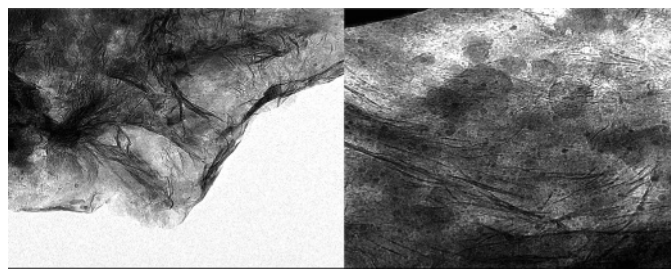


2776 Thermoreversible Protein Hydrogel as Cell Scaffold

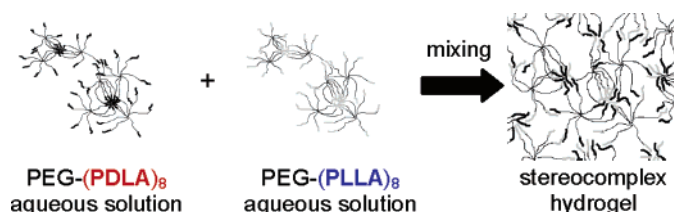
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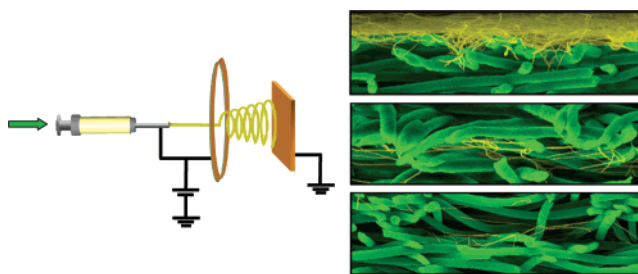
Xiaosong Huang and Anil N. Netravali*

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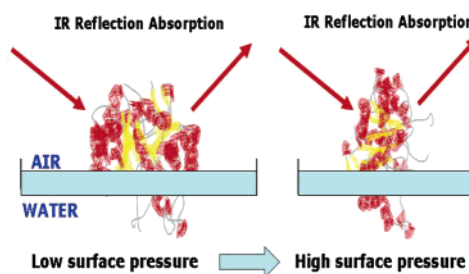
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Quynh P. Pham, Upma Sharma, and Antonios G. Mikos*

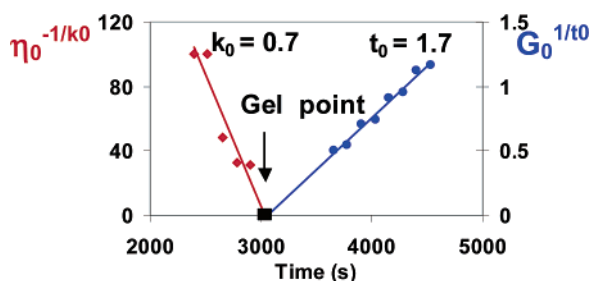
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Jiayin Zheng, Bernard Desbat,
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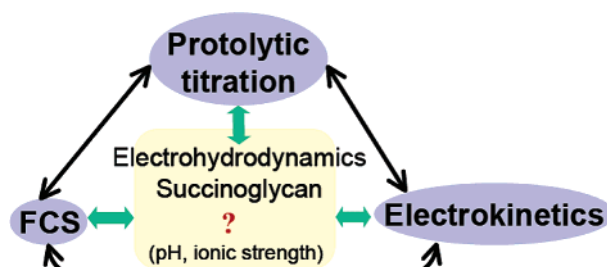


2811 Combined Rheological and Ultrasonic Study of Alginate and Pectin Gels near the Sol–Gel Transition

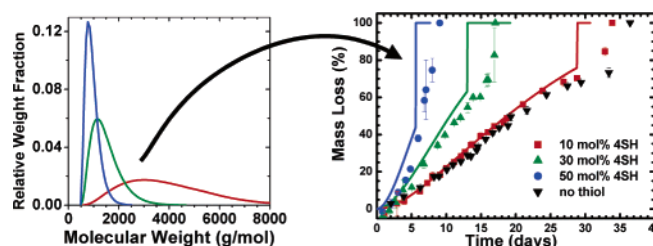
Michel Audebrand, Max Kolb, and Monique A. V. Axelos*


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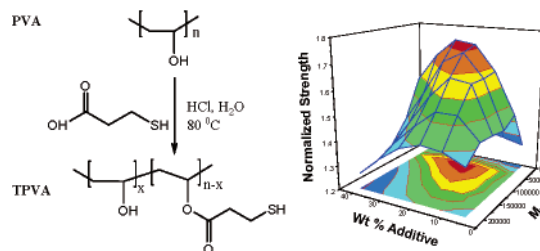
Jérôme F. L. Duval,* Vera I. Slaveykova, Monika Hosse, Jacques Buffle, and Kevin J. Wilkinson


2827 Controlling Network Structure in Degradable Thiol–Acrylate Biomaterials to Tune Mass Loss Behavior

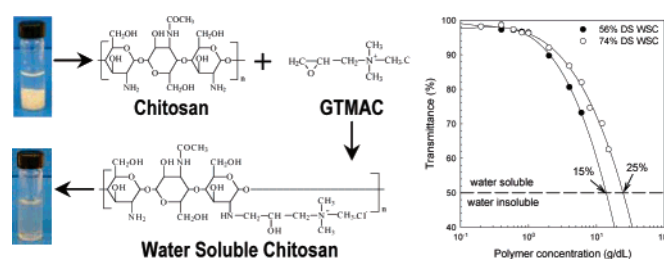
Amber E. Rydholm, Sirish K. Reddy, Kristi S. Anseth, and Christopher N. Bowman*


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Rebecca M. Dicharry, Peng Ye, Gobinda Saha, Eleanor Waxman, Alexandru D. Asandei, and Richard S. Parnas*

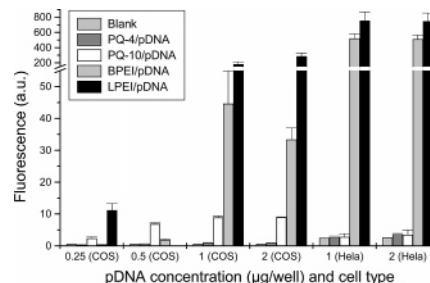

2845 Synthesis and Physicochemical and Dynamic Mechanical Properties of a Water-Soluble Chitosan Derivative as a Biomaterial

Jaepyoung Cho, Justin Grant, Micheline Piquette-Miller, and Christine Allen*



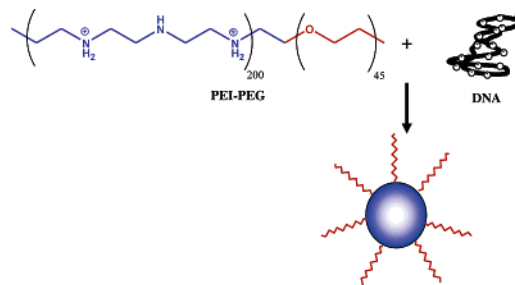
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Farzaneh Fayazpour, Bart Lucas, Carmen Alvarez-Lorenzo, Niek N. Sanders, Jo Demeester, and Stefaan C. De Smedt*



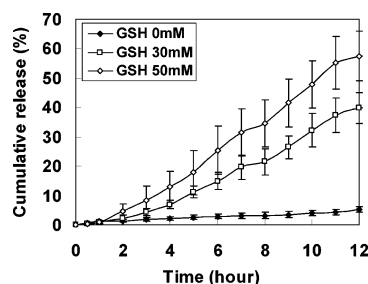
2863 Synthesis, Characterization, and Gene Transfer Application of Poly(ethylene glycol-*b*-ethylenimine) with High Molar Mass Polyamine Block

B. Brissault, A. Kichler, C. Leborgne, O. Danos, H. Cheradame, J. Gau, L. Auvray, and C. Guis*



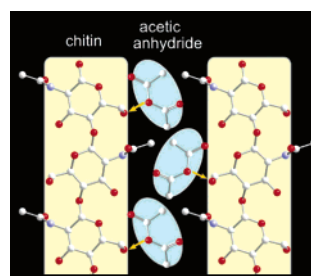
2871 Thermogelling Poly(ethylene oxide-*b*-propylene oxide-*b*-ethylene oxide) Disulfide Multiblock Copolymer as a Thiol-Sensitive Degradable Polymer

Kyung Hwa Sun, Youn Soo Sohn, and Byeongmoon Jeong*



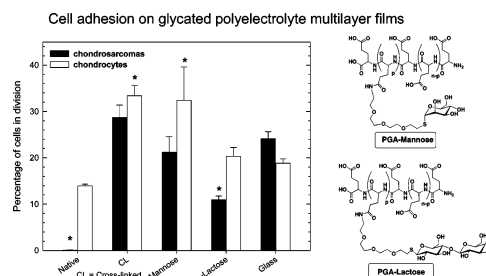
2878 Esterification of β -Chitin via Intercalation by Carboxylic Anhydrides

A. Yoshifuji, Y. Noishiki, M. Wada, L. Heux, and S. Kuga*

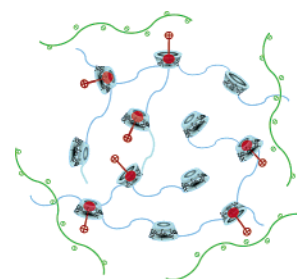


2882 Glycated Polyelectrolyte Multilayer Films: Differential Adhesion of Primary versus Tumor Cells

Aurore Schneider, Anne-Laure Bolcato-Bellemin, Gregory Francius, Justyna Jedrzejwska, Pierre Schaaf, Jean-Claude Voegel, Benoit Frisch, and Catherine Picart*

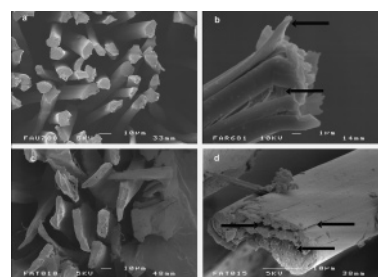


2890 Macromolecular Assemblies Based on Coupled Inclusion Complex and Electrostatic Interactions



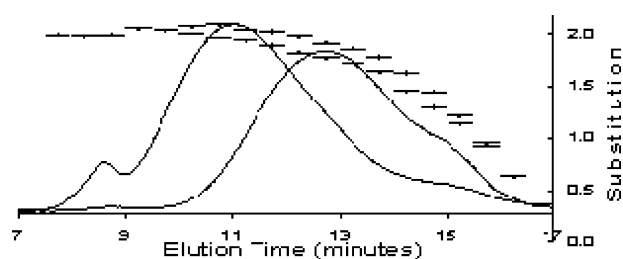
Virginie Burckbuchler, Valérie Boutant, Véronique Wintgens, and Catherine Amiel*

2901 Ultrastructure of Insect and Spider Cocoon Silks



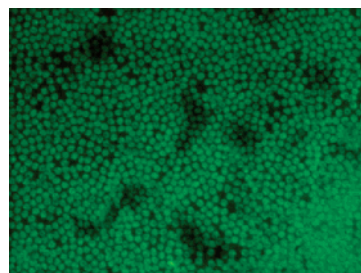
Osnat Hakimi,* David P. Knight, Martin M. Knight, Michael F. Grahn, and Pankaj Vadgama

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Fiona Fitzpatrick,* Herje Schagerlöf, Thomas Andersson, Sara Richardson, Folke Tjerneld, Karl-Gustav Wahlund, and Bengt Wittgren

2918 ^1H NMR Investigation of Thermally Triggered Insulin Release from Poly(*N*-isopropylacrylamide) Microgels

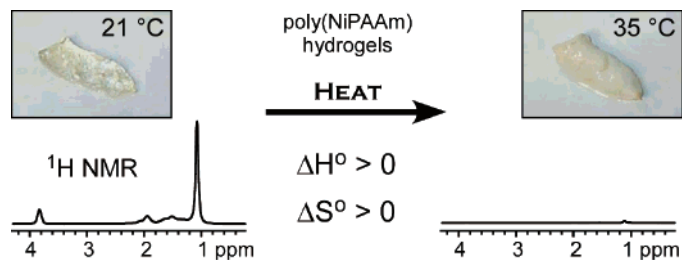


Christine M. Nolan, Leslie T. Gelbaum, and L. Andrew Lyon*

Notes

2923 Phase-Transition Thermodynamics of ■ *N*-Isopropylacrylamide Hydrogels

Charles V. Rice*



■ 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.