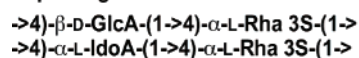


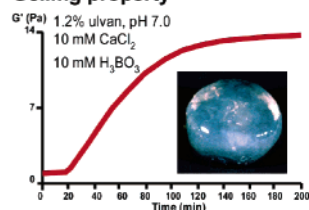
Reviews

1765 Structure and Functional Properties of Ulvan, a Polysaccharide from Green Seaweeds

Repeating structures:

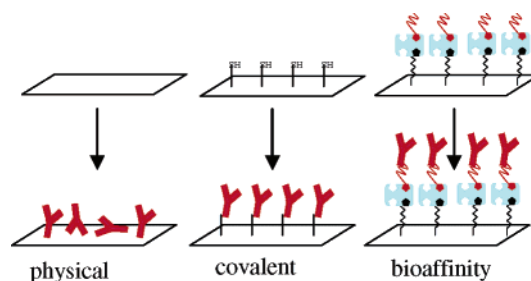


Gelling property



Marc Lahaye* and Audrey Robic

1775 Protein Immobilization Strategies for Protein Biochips

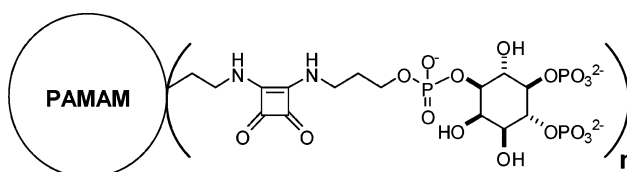


Federica Rusmini, Zhiyuan Zhong,* and
Jan Feijen*

Communications

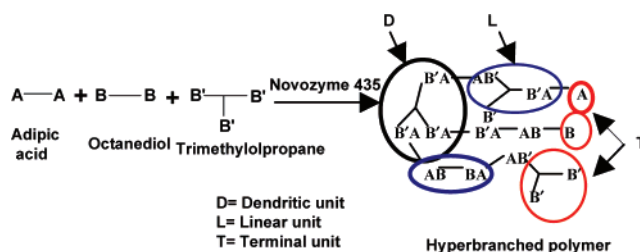
1790 Synthesis and Characterization of Covalent Mimics of Phosphatidylinositol-4,5-bisphosphate Micelles

Sarah A. Webb, Nichole K. Stewart, Lewis J. Belcher, Yehia Mechref, John W. Tomaszewski, Guangxiang Wu, Milos V. Novotny, and Martha G. Oakley*



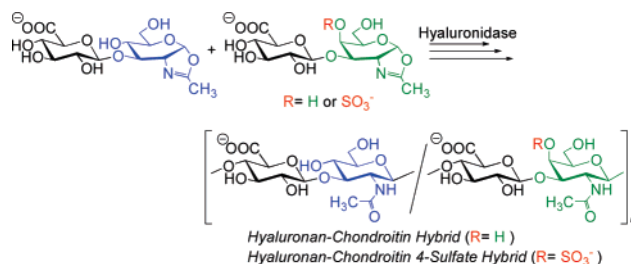
1794 Synthesis and Characterization of Branched Polymers from Lipase-Catalyzed Trimethylolpropane Copolymerizations

Ankur S. Kulshrestha, Wei Gao, Hongyong Fu, and Richard A. Gross*



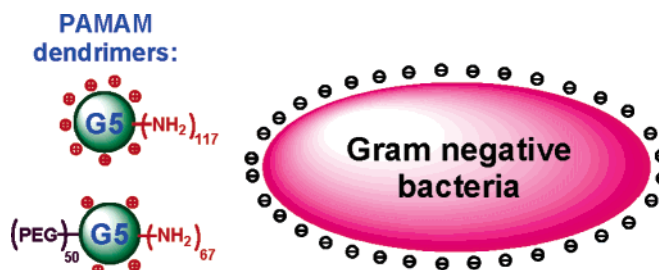
1802 Enzymatic Copolymerization to Hybrid Glycosaminoglycans: A Novel Strategy for Intramolecular Hybridization of Polysaccharides

Hirofumi Ochiai, Shun-Ichi Fujikawa, Masashi Ohmae, and Shiro Kobayashi*



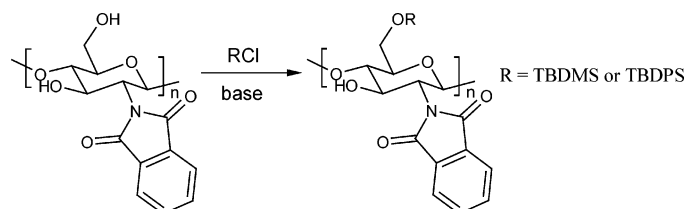
1807 Antibacterial Activities of Poly(amidoamine) Dendrimers Terminated with Amino and Poly(ethylene glycol) Groups

Michelle K. Calabretta, Amit Kumar, Alison M. McDermott, and Chengzhi Cai*



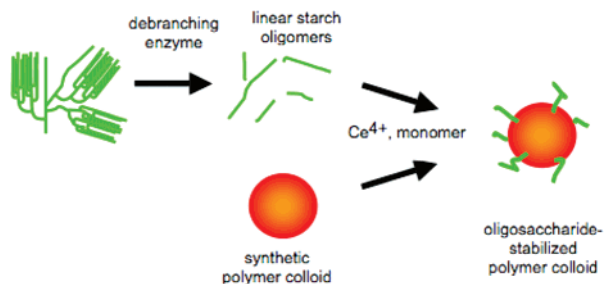
Articles

1812 Regioselective Silylation of *N*-Phthaloylchitosan with TBDMS and TBDPS Groups



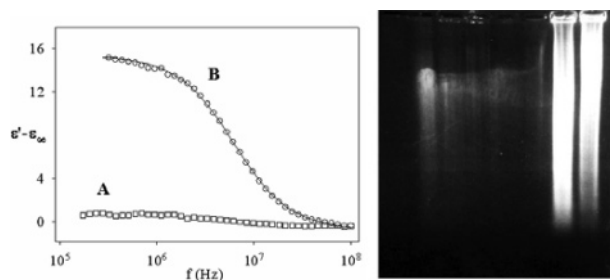
Alain Binette and Jonathan Gagnon*

1816 Grafting of Oligosaccharides onto Synthetic Polymer Colloids



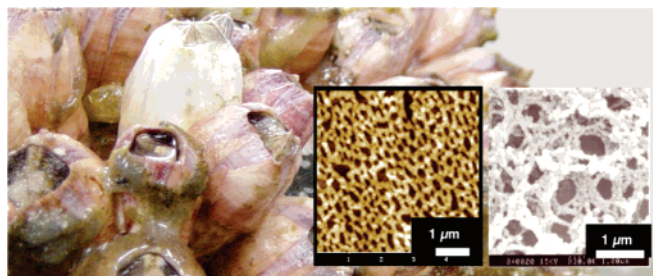
Siyabonga Mange, Cédric Dever, Hank De Bruyn, Marianne Gaborieau, Patrice Castignolles, and Robert G. Gilbert*

1824 A Biophysical Investigation on the Binding and Controlled DNA Release in a Cetyltrimethylammonium Bromide–Sodium Octyl Sulfate Cat-Anionic Vesicle System



Adalberto Bonincontro, Camillo La Mesa, Carla Proietti, and Gianfranco Risuleo*

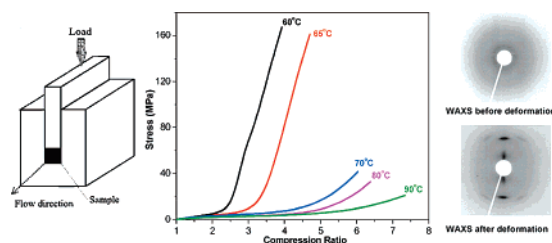
1830 Self-Assembling Peptide Inspired by a Barnacle Underwater Adhesive Protein



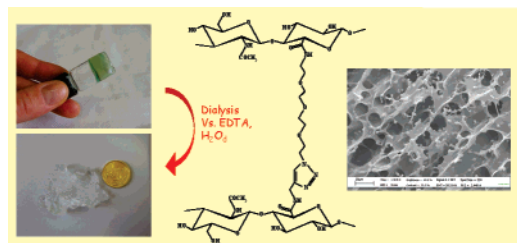
Masahiro Nakano, Jian-Ren Shen, and Kei Kamino*

1836 Plastic Deformation of Amorphous Poly(L/DL-lactide): Structure Evolution and Physical Properties

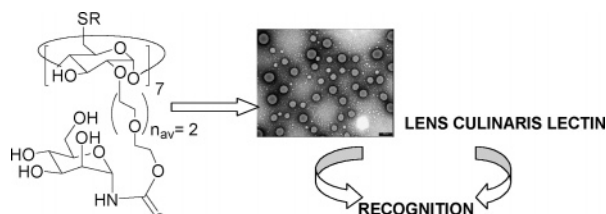
Miroslaw Pluta* and Andrzej Galeski


1844 Novel Hydrogels via Click Chemistry: Synthesis and Potential Biomedical Applications

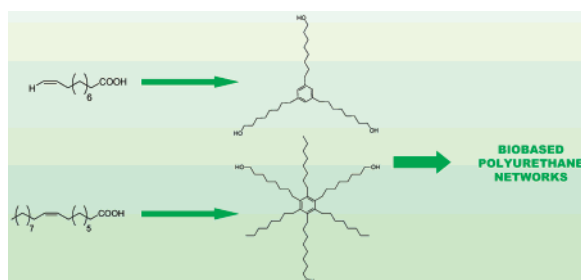
Vittorio Crescenzi,* Lisa Cornelio, Chiara Di Meo, Stefania Nardecchia, and Raffaele Lamanna


1851 Amphiphilic N-Glycosyl-thiocarbamoyl Cyclodextrins: Synthesis, Self-Assembly, and Fluorimetry of Recognition by *Lens culinaris* Lectin

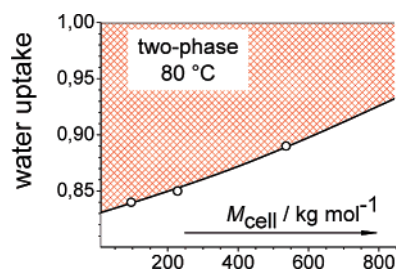
Simone McNicholas, Anna Rencurosi,* Luigi Lay, Antonino Mazzaglia, Luisa Sturiale, Marta Perez, and Raphael Darcy*


1858 Polyurethane Networks from Fatty-Acid-Based Aromatic Triols: Synthesis and Characterization

Gerard Lligadas, Joan C. Ronda, Marina Galià,* and Virginia Cádiz

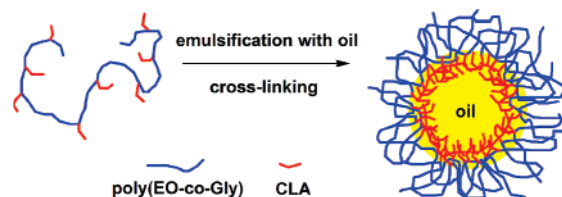

1865 Cellulose/Water: Liquid/Gas and Liquid/Liquid Phase Equilibria and Their Consistent Modeling

John Eckelt and Bernhard A. Wolf*



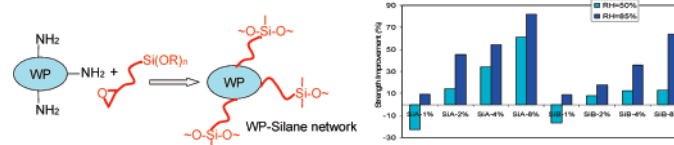
1873 Preparation of Liquid-Core Nanocapsules from Poly[(ethylene oxide)-co-glycidol] with Multiple Hydrophobic Linoleates at an Oil–Water Interface and Its Encapsulation of Pyrene

Yong Ren, Guowei Wang, and Junlian Huang*



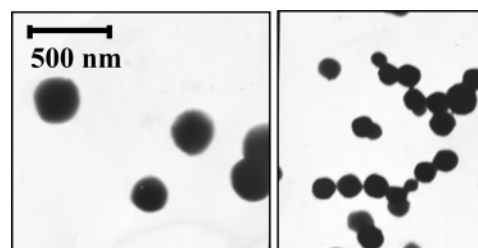
1881 Chemical Modification of Wheat-Protein-Based Natural Polymers: Formation of Polymer Networks with Alkoxysilanes To Modify Molecular Motions and Enhance the Material Performance

Xiaoqing Zhang,* My Dieu Do, and Alex Bilyk



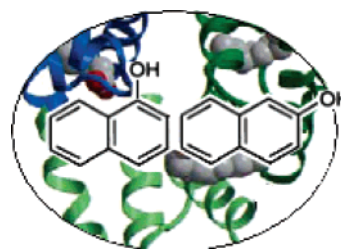
1890 Composite Nanoparticles Based on Hyaluronic Acid Chemically Cross-Linked with α,β -Polyaspartylhydrazide

G. Pitarresi,* E. F. Craparo, F. S. Palumbo, B. Carlisi, and G. Giammona



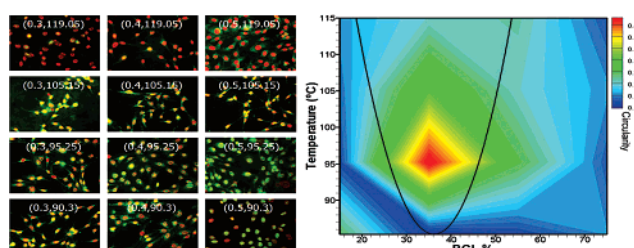
1899 Binding of the Environmental Pollutant Naphthol to Bovine Serum Albumin

Tuoqi Wu,* Qin Wu,* Shanyue Guan, Hengxi Su, and Zejian Cai



1907 Quantitative High-Throughput Screening of Osteoblast Attachment, Spreading, and Proliferation on Demixed Polymer Blend Micropatterns

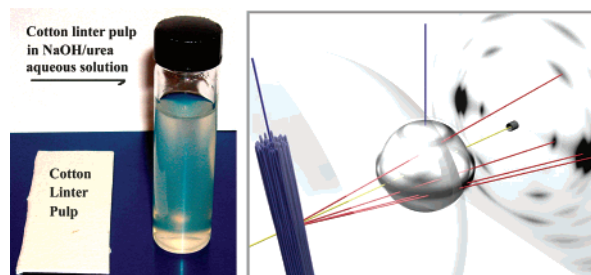
Pedro Zapata, Jing Su, Andrés J. García, and J. Carson Meredith*



1918 Structure Study of Cellulose Fibers

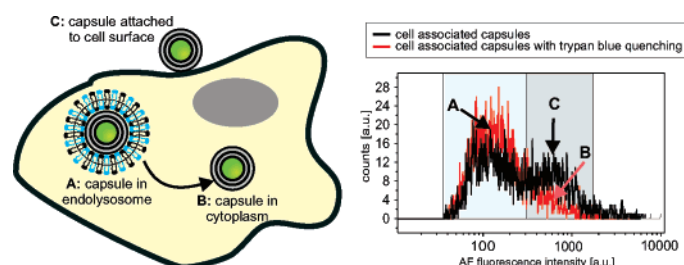
■ Wet-Spun from Environmentally Friendly NaOH/Urea Aqueous Solutions

Xuming Chen, Christian Burger, Fen Wan, Jun Zhang, Lixia Rong, Benjamin S. Hsiao,* Benjamin Chu,* Jie Cai, and Lina Zhang



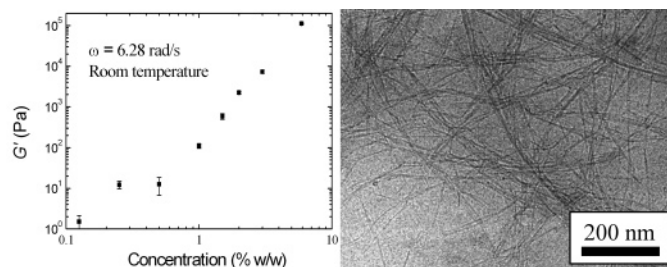
1927 Flow Cytometry of HEK 293T Cells Interacting with Polyelectrolyte Multilayer Capsules Containing Fluorescein-Labeled Poly(acrylic acid) as a pH Sensor

Uta Reibetanz, David Haložan, Milan Brumen, and Edwin Donath*



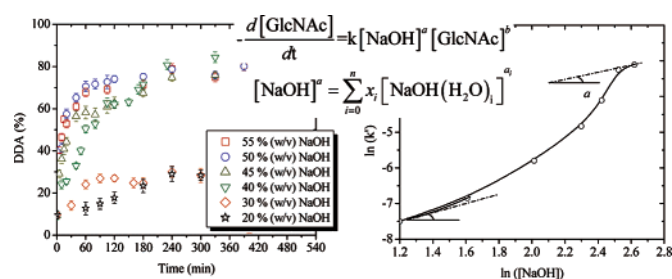
1934 Enzymatic Hydrolysis Combined with Mechanical Shearing and High-Pressure Homogenization for Nanoscale Cellulose Fibrils and Strong Gels

M. Pääkkö, M. Ankerfors, H. Kosonen, A. Nykänen, S. Ahola, M. Österberg, J. Ruokolainen, J. Laine, P. T. Larsson, O. Ikkala,* and T. Lindström*



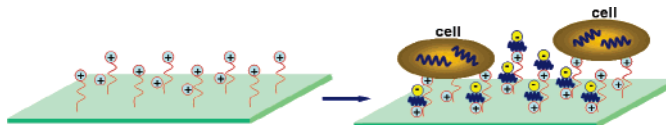
1942 Thermodynamic Aspects of the Heterogeneous Deacetylation of β -Chitin: Reaction Mechanisms

Guillaume Lamarque, Géraldine Chaussard, and Alain Domard*



1951 Adsorption of Plasmid DNA onto *N,N'*-(Dimethylamino)ethyl-methacrylate Graft-Polymerized Poly-L-lactic Acid Film Surface for Promotion of in-Situ Gene Delivery

Tingting Jiang, JianBin Chang, Chunming Wang, Zhi Ding, Jiangning Chen, Junfeng Zhang,* and En-Tang Kang



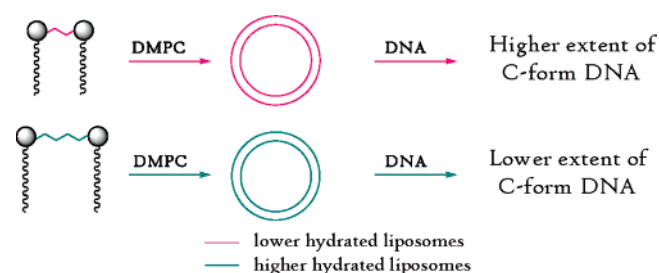
1992 Unusual Cell Adhesion and Antithrombogenic Behavior of Citric Acid-Cross-Linked Collagen Matrices

Hirofumi Saito, Shun Murabayashi, Yoshinori Mitamura, and Tetsushi Taguchi*



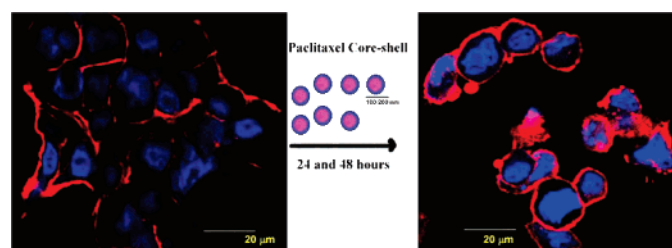
1999 Influence of the Spacer of Cationic Gemini Amphiphiles on the Hydration of Lipoplexes

Paola Luciani, Cecilia Bombelli, Marisa Colone, Luisa Giansanti, Samppa J. Ryhänen, V. Matti J. Säily, Giovanna Mancini,* and Paavo K. J. Kinnunen



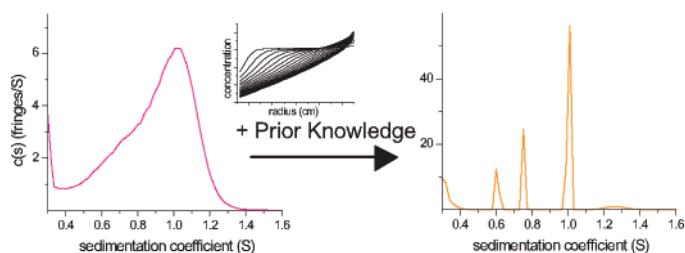
2004 Encapsulation of Paclitaxel in Macromolecular Nanoshells

Alisar S. Zahr and Michael V. Pishko*



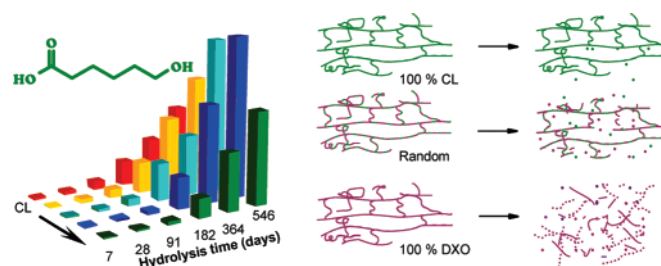
2011 Using Prior Knowledge in the Determination of Macromolecular Size-Distributions by Analytical Ultracentrifugation

Patrick H. Brown, Andrea Balbo, and Peter Schuck*



2025 Controllable Degradation Product Migration from Cross-Linked Biomedical Polyester-Ethers through Predetermined Alterations in Copolymer Composition

Anders Höglund, Karin Odelius, Minna Hakkarainen, and Ann-Christine Albertsson*



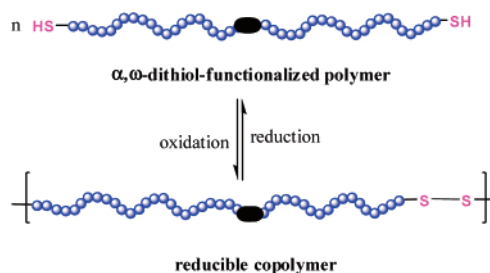
Notes

2033 Internal Structure of Wet and Dry Polypeptide Multilayer Nanofilms



Ling Zhang and Donald T. Haynie*

2038 A Versatile Approach to Reducible Vinyl Polymers via Oxidation of Telechelic Polymers Prepared by Reversible Addition Fragmentation Chain Transfer Polymerization



Ye-Zi You, Devika Soundara Manickam,
Qing-Hui Zhou, and David Oupický*

Additions & Corrections

2045 Hydrophobically Modified Hydroxyethyl Starch: Synthesis, Characterization and Aqueous Self-Assembly into Nano-Sized Polymeric Micelles and Vesicles

Ahmed Besheer, Gerd Hause, Jörg Kressler, and Karsten Mäder*

■ 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.