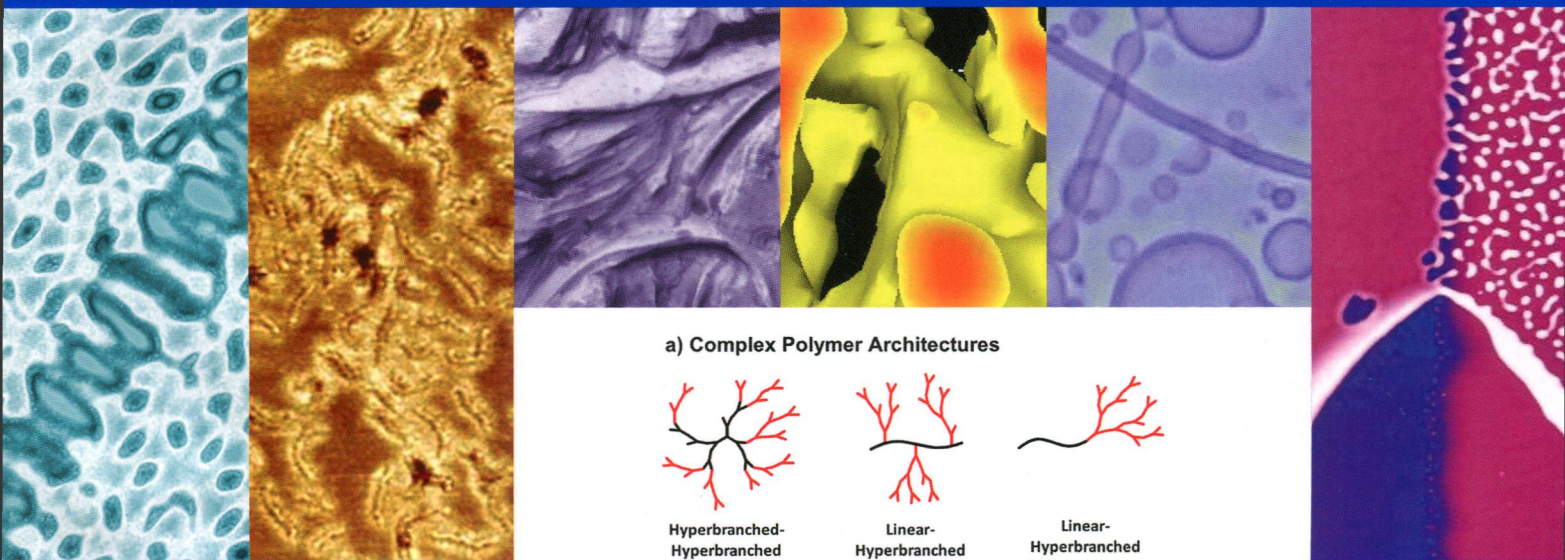


polymer



a) Complex Polymer Architectures



Hyperbranched-Hyperbranched Graft Copolymers (HHGCs)

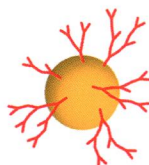


Linear-Hyperbranched Graft Copolymers (LHGCs)

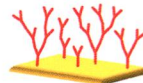


Linear-Hyperbranched Block Copolymers (LHBCs)

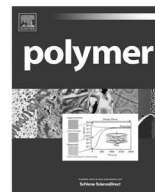
b) Surface Functionalization



Spherical Particles



Planar Surfaces



Polymer Vol. 54, No. 21, 4 October 2013

Contents

FEATURE ARTICLE

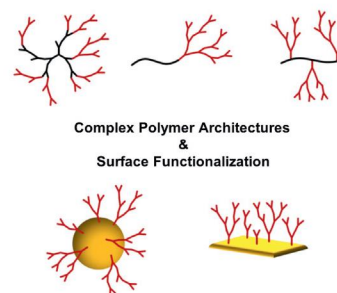
Grafting of hyperbranched polymers: From unusual complex polymer topologies to multivalent surface functionalization

pp 5443–5455

Christoph Schüll^{a, b}, Holger Frey^{a, *}

^a Institute of Organic Chemistry, Johannes Gutenberg-University, Duesbergweg 10-14, 55128 Mainz, Germany

^b Graduate School Materials Science in Mainz, Staudinger Weg 9, 55128 Mainz, Germany



POLYMER PAPERS

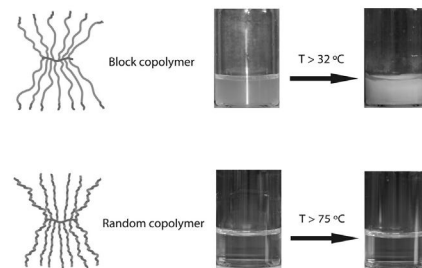
Comb-like thermoresponsive polymeric materials: Synthesis and effect of macromolecular structure on solution properties

pp 5456–5466

D.A.Z. Wever^{a, b}, E. Riemsma^a, F. Picchioni^a, A.A. Broekhuis^{a, *}

^a Department of Chemical Engineering – Product Technology, Nijenborgh 4, 9747 AG Groningen, The Netherlands

^b Dutch Polymer Institute (DPI), P.O. Box 902, 5600 AX Eindhoven, The Netherlands



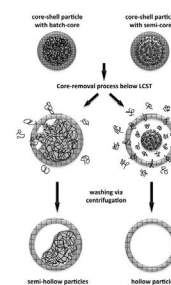
Thermosensitive capsules via a facile water-based core-removal process

Yan Chen^a, Shahriar Sajjadi^{b,*}

^a Department of Mechanical Engineering, Kings' College London, London, UK

^b Department of Physics, Kings' College London, London, UK

pp 5467–5472



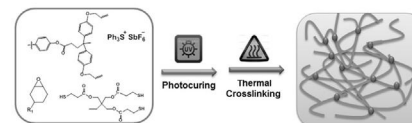
A new two-stage curing system: Thiol-ene/epoxy homopolymerization using an allyl terminated hyperbranched polyester as reactive modifier

Marjorie Flores^a, Adrian M. Tomuta^a, Xavier Fernández-Francos^a,
Xavier Ramis^b, Marco Sangermano^c, Angels Serra^{a,*}

^a Dept. of Analytical and Organic Chemistry, University Rovira i Virgili,
C/ Marcel·lí Domingo s/n, 43007 Tarragona, Spain

^b Thermodynamics Laboratory, ETSEIB University Politècnica de Catalunya,
C/ Av. Diagonal 647, 08028 Barcelona, Spain

^c Dept. of Material Science and Chemical Engineering, Politecnico di Torino,
C.so Duca degli Abruzzi 24, 10129 Torino, Italy



pp 5473–5481

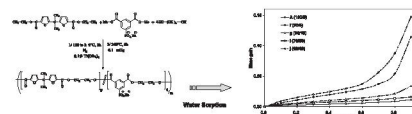
Synthesis, characterization and water sorption study of new biobased (furanic-sulfonated) copolyesters

A. Bougarech^{a,b}, M. Abid^a, F. Gouanvé^c, E. Espuche^c, S. Abid^a, R. El Gharbi^{a,*}, E. Fleury^{b,*}

^a Laboratoire de Chimie Appliquée, Faculté des Sciences de Sfax, Université de Sfax, Tunisia

^b Université de Lyon, CNRS, UMR 5223, INSA-Lyon, IMP@INSA, F-69621 Villeurbanne, France

^c Université de Lyon, CNRS, UMR 5223, Université Lyon 1, IMP@Lyon1, F-69621 Villeurbanne, France



pp 5482–5489

Robust grafting of PEG-methacrylate brushes from polymeric coatings

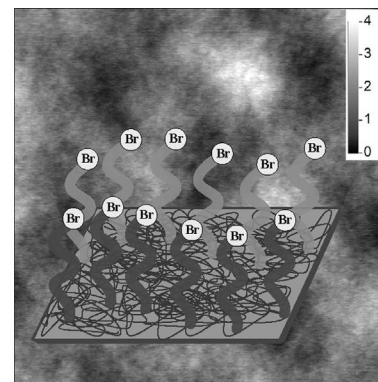
Andrew M. Telford^{a,b}, Chiara Neto^a, Laurence Meagher^{c,*}

^a School of Chemistry, The University of Sydney, F11, NSW 2006 Australia

^b CSIRO Future Manufacturing National Research Flagship, Clayton, Victoria 3168, Australia

^c CSIRO Materials Science and Engineering, Bag 10, Clayton South, Victoria 3169, Australia

pp 5490–5498



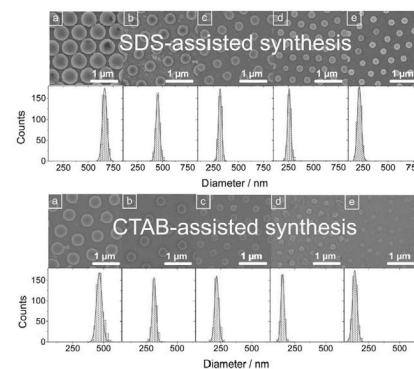
Thermoresponsive poly-(*N*-isopropylmethacrylamide) microgels: Tailoring particle size by interfacial tension control

Katja von Nessen^{a, b}, Matthias Karg^{a, *}, Thomas Hellweg^b

^a Department of Physical Chemistry I, University of Bayreuth, Universitätsstrasse 30, 95447 Bayreuth, Germany

^b Department of Physical and Biophysical Chemistry, Faculty of Chemistry, Bielefeld University, Universitätsstrasse 25, 33615 Bielefeld, Germany

pp 5499–5510



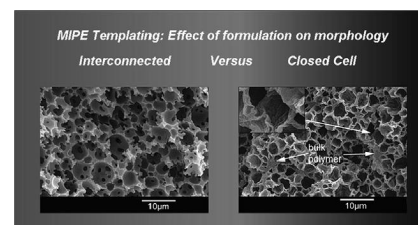
Macroporous polymers made from medium internal phase emulsion templates: Effect of emulsion formulation on the pore structure of polyMIPES

Ranting Wu^a, Angelika Menner^b, Alexander Bismarck^{a, b, *}

^a Polymer and Composite Engineering (PaCE) Group, Department of Chemical Engineering, Imperial College London, South Kensington Campus, London SW7 2AZ, UK

^b Polymer and Composite Engineering (PaCE) Group, Institute of Materials Chemistry and Research, Faculty of Chemistry, University of Vienna, Währinger Straße 42, A-1090 Wien, Austria

pp 5511–5517



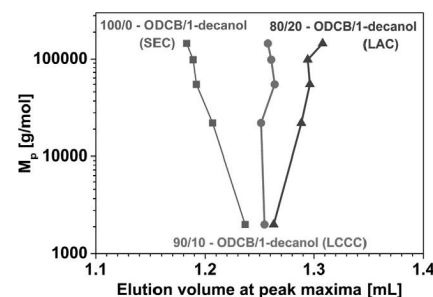
Liquid chromatography at critical conditions of polyethylene

D. Mekap^a, T. Macko^a, R. Brüll^{a, *}, R. Cong^b, A.W. deGroot^b, A. Parrott^b, P.J.C.H. Cools^b, W. Yau^b

^a Fraunhofer Institute for Structural Durability and System Reliability, Division Plastics, Group Material Analytics, Schlossgartenstrasse 6, 64289 Darmstadt, Germany

^b Performance Plastics Characterization and Testing Group, The Dow Chemical Company, 2301 Brazosport Blvd., Freeport, TX 77541, USA

pp 5518–5524



Preparation of near-infrared absorbing composites comprised of conjugated macroligands on the surface of PbS nanoparticles

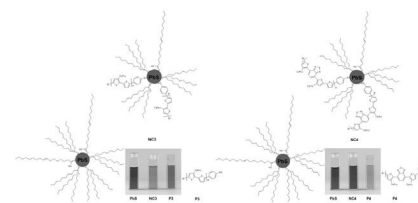
Jinming Zhang^a, Lydia Bahrig^b, Andreas Puetz^c, Ioannis Kanelidis^a, Daniel Lenkeit^a, Simon Pelz^a, Stephen G. Hickey^b, Michael F.G. Klein^c, Alexander Colsmann^c, Uli Lemmer^c, Alexander Eychmüller^b, Elisabeth Holder^{a, *}

^a Functional Polymers Group and Institute of Polymer Technology, University of Wuppertal, Gaußstr. 20, D-42097 Wuppertal, Germany

^b Physical Chemistry and Electrochemistry, Technische Universität Dresden, Bergstr. 66b, D-01062 Dresden, Germany

^c Light Technology Institute, Karlsruhe Institute of Technology (KIT), Engesserstr. 13, D-76131 Karlsruhe, Germany

pp 5525–5533

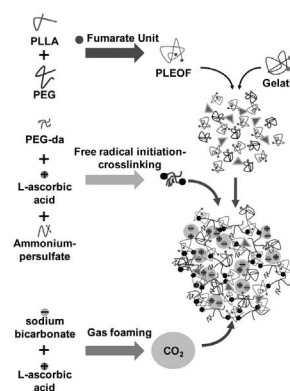


Fabrication of interpenetrating polymer network to enhance the biological activity of synthetic hydrogels

pp 5534–5542

Ali Fathi*, Sherry Lee, Xia Zhong, Nicholas Hon, Peter Valtchev, Fariba Dehghani

School of Chemical and Biomolecular Engineering, University of Sydney, Sydney 2006, Australia

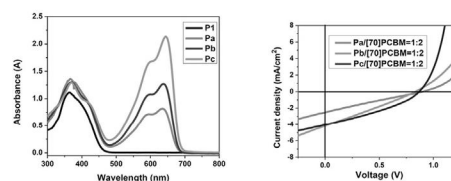
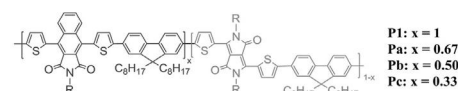


Synthesis and characterizations of conjugated copolymers containing benzo[f]isoindole-1,3-dione and diketopyrrolopyrrole units

pp 5543–5552

Duo Li, Gang Qian, Zhi Yuan Wang*

Department of Chemistry, Carleton University, 1125 Colonel By Drive, Ottawa, Ontario K1S 5B6, Canada

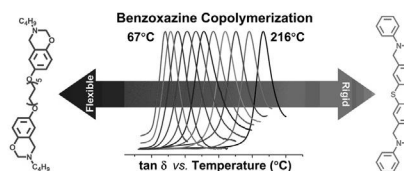


Solvent-free copolymerization of rigid and flexible bis-1,3-benzoxazines: Facile tunability of polybenzoxazine network properties

pp 5553–5559

Austin D. Baranek, Laken L. Kendrick, Chase A. Tretbar, Derek L. Patton*

School of Polymers and High Performance Materials, The University of Southern Mississippi, 118 College Drive #5050, Hattiesburg, MS 39406, USA

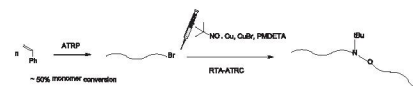


One pot, two step sequence converting atom transfer radical polymerization directly to radical trap-assisted atom transfer radical coupling

pp 5560–5567

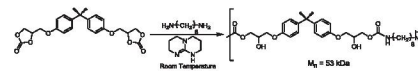
Elizabeth M. Carnicom, William E. Coyne, Kenneth D. Myers, Eric S. Tillman*

Department of Chemistry, Bucknell University, Lewisburg, PA 17837, USA



Organocatalytic synthesis of (poly)hydroxyurethanes from cyclic carbonates and amines

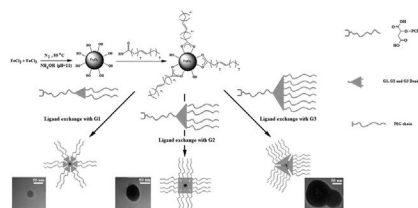
pp 5568–5573

Robert H. Lambeth^{a,*}, Terry J. Henderson^b^a U.S. Army Research Laboratory, Weapons & Materials Research Directorate, Aberdeen Proving Ground, MD 21005-5069, USA^b Biochemistry Branch, Biosciences Directorate, U.S. Army Edgewood Chemical Biological Center, RDCB-DRB-C, 5183 Blackhawk Road, Aberdeen Proving Ground, MD 21010-5424, USA**Synthesis of magnetite/polyamino-ester dendrimer based on PCL/PEG amphiphilic copolymers via convergent approach for targeted diagnosis and therapy**

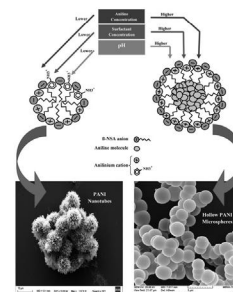
pp 5574–5585

Sepideh Khoei^{*}, Khadije Hemati

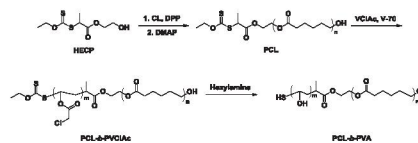
Polymer Laboratory, Chemistry Department, School of Science, University of Tehran, P.O. Box 14155-6455, Tehran, Iran

**Controlled growth of hollow polyaniline structures: From nanotubes to microspheres**

pp 5586–5594

N. Pirhady Tavandashti^a, M. Ghorbani^{a,b,*}, A. Shojaei^{a,c}^a Institute for Nanoscience and Nanotechnology (INST), Sharif University of Technology, P.O. Box 11155-8639, Tehran, Iran^b Department of Materials Science and Engineering, Sharif University of Technology, P.O. Box 11155-9466, Tehran, Iran^c Department of Chemical and Petroleum Engineering, Sharif University of Technology, PO Box 11155-9465, Tehran, Iran**One-pot synthesis of poly(vinyl alcohol)-based biocompatible block copolymers using a dual initiator for ROP and RAFT polymerization**

pp 5595–5600

Young Chang Yu^a, Sang Jin Shin^a, Kwang Duk Ko^a, Woong-Ryeol Yu^b, Ji Ho Youk^{a,*}^a Department of Advanced Fiber Engineering, Division of Nano-Systems, Inha University, Incheon 402-751, Republic of Korea^b Department of Materials Science and Engineering and Research Institute of Advanced Materials, Seoul National University, 599 Gwanangro, Gwanak-gu, Seoul 151-742, Republic of Korea

Effect of composition and stereoregularity on phase-transition behavior of aqueous *N*-ethylacrylamide/*N*-*n*-propylacrylamide copolymer solutions

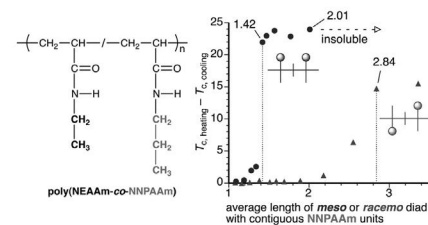
pp 5601–5608

Tomohiro Hirano^{a,*}, Akiko Ono^a, Hiroaki Yamamoto^a, Takeshi Mori^b, Yasushi Maeda^c, Miyuki Oshimura^a, Koichi Ute^a

^a Department of Chemical Science and Technology, Institute of Technology and Science, The University of Tokushima, Minamijosanjima 2-1, Tokushima 770-8506, Japan

^b Department of Applied Chemistry, Center for Future Chemistry, Institute for Material Chemistry and Engineering, Kyushu University, 744 Moto-oka, Nishi-ku, Fukuoka 819-0395, Japan

^c Department of Applied Chemistry and Biotechnology, University of Fukui, 3-9-1 Bunkyo, Fukui 910-8507, Japan



Synthesis and characterization of TiO₂ nanoparticles chemically coated with zwitterionic polymer brushes

pp 5609–5614

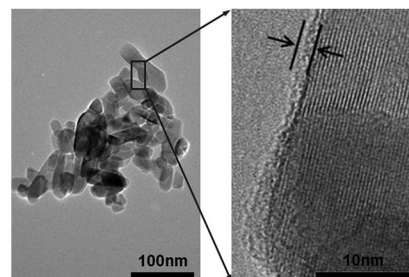
Youngsun Kim^a, Soyoun An^b, Sinae Kim^b, Jung Ho Park^c, Han Am Son^d, Hyun Tae Kim^d, Kyung-Do Suh^{a,**}, Jin Woong Kim^{b,*}

^a Division of Chemical Engineering, Hanyang University, Seoul 133-791, Republic of Korea

^b Department of Applied Chemistry, Hanyang University, Ansan, Gyeonggi-do 426-791, Republic of Korea

^c KCI Ltd., 371-16, Gasan-dong, Geumcheon-gu, Seoul 153-803, Republic of Korea

^d Division of Petroleum & Marine Research, Korea Institute of Geoscience and Mineral Resources, Daejeon 305-350, Republic of Korea

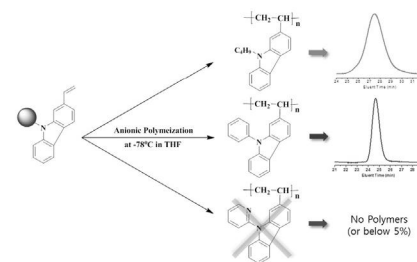


Effect of substituted groups on the living anionic polymerization of 2-vinylcarbazole derivatives

pp 5615–5625

Nam-Goo Kang, Yoon-Hyung Hur, Mohammad Changez, Beom-Goo Kang, Yong-Guen Yu, Jae-Suk Lee^{*}

Department of Nanobio Materials and Electronics, School of Materials Science and Engineering, Gwangju Institute of Science and Technology (GIST), 123 Cheomdan-gwagiro, Buk-gu, Gwangju 500-712, Republic of Korea

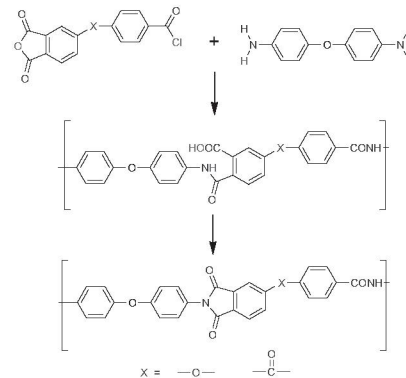


Synthesis and characterization of poly(amideimide)s from 4-(*p*-carboxyphenoxy)phthalic anhydride and 4-(*p*-carboxybenzoyl)phthalic anhydride

pp 5626–5633

S. Rajasekar, D. Venkatesan^{*}

Department of Chemistry, School of Chemical and Biotechnology, Sastra University, Thanjavur 613 401, Tamilnadu, India

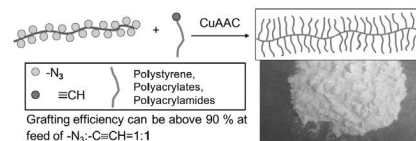


Highly efficient synthesis of cylindrical polymer brushes with various side chains via click grafting-onto approach

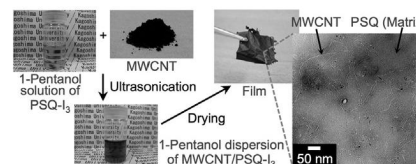
pp 5634–5642

Yechao Yan, Yi Shi, Wen Zhu, Yongming Chen*

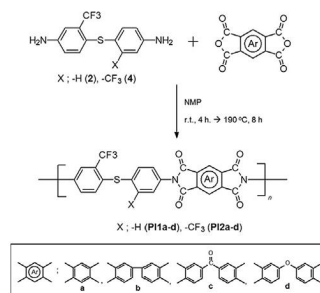
Laboratory of Polymer Physics and Chemistry, Institute of Chemistry, The Chinese Academy of Sciences, Beijing 100190, China

**Dispersion of multi-walled carbon nanotube using soluble polysilsesquioxane containing alkylammonium side chains and triiodide counterions**

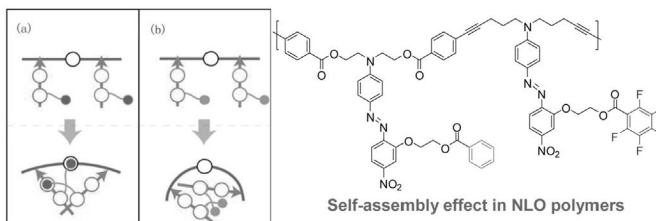
pp 5643–5647

Tomoyuki Arake^a, Kazuhiro Shikinaka^b, Takuo Sugioka^c, Hironobu Hashimoto^c, Yasutaka Sumida^c, Yoshiro Kaneko^{a,*}^a Graduate School of Science and Engineering, Kagoshima University, 1-21-40 Korimoto, Kagoshima 890-0065, Japan^b Graduate School of Engineering, Tokyo University of Agriculture and Technology, Koganei, Tokyo 184-8588, Japan^c Nippon Shokubai, 5-8 Nishi Otabi-cho, Suita, Osaka 564-8512, Japan**Soluble polyimides with trifluoromethyl pendent groups**

pp 5648–5654

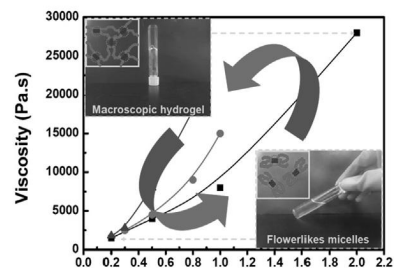
Sun Dal Kim^a, Sanghwa Lee^a, Jaewon Heo^a, Sang Youl Kim^{a,*}, Im Sik Chung^{b,*}^a Department of Chemistry, KAIST, Daejeon 305-701, Republic of Korea^b Research Center for Integrative Cellulomics, KRIBB, Daejeon 305-806, Republic of Korea**Second-order nonlinear optical (NLO) polymers containing perfluoroaromatic rings as isolation groups with Ar/Ar^F self-assembly effect: Enhanced NLO coefficient and stability**

pp 5655–5664

Wenbo Wu^a, Qi Huang^a, Cheng Zhong^a, Cheng Ye^b, Jingui Qin^a, Zhen Li^{a,*}^a Department of Chemistry, Hubei Key Lab on Organic and Polymeric Opto-Electronic Materials, Wuhan University, Wuhan 430072, China^b Organic Solids Laboratories, Institute of Chemistry, The Chinese Academy of Sciences, Beijing 100080, China

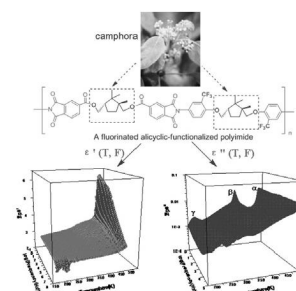
Facile fabrication method of hydrophobic-associating cross-linking hydrogel with outstanding mechanical performance and self-healing property in the absence of surfactants

pp 5665–5672

Kun Xu^a, Huiyong An^{b,*}, Cuige Lu^{a,c}, Ying Tan^a, Pengchong Li^{a,c}, Pixin Wang^{a,*}^a Key Laboratory of Polymer Ecomaterials, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, PR China^b School of Chemistry and Materials Science, Liaoning Shihua University, Fushun 113001, PR China^c Graduate University of Chinese Academy of Sciences, Beijing 100049, PR China

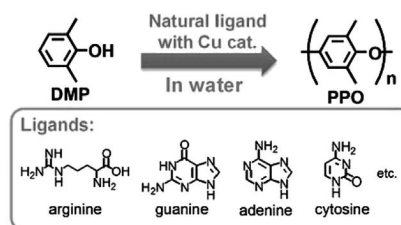
A new series of fluorinated alicyclic-functionalized polyimides derived from natural-(D)-camphora: Synthesis, structure-properties relationships and dynamic dielectric analyses

pp 5673–5683

Juan Li^a, Hengsheng Zhang^a, Feng Liu^{a,*}, Jiancheng Lai^b, Haixia Qi^a, Xiaozeng You^{b,**}^a Department of Chemistry, Nanchang University, Honggutan New District, Nanchang 330031, PR China^b State Key Laboratory of Coordination Chemistry, School of Chemistry and Chemical Engineering, Nanjing National Laboratory of Microstructure, Nanjing University, Nanjing 210093, PR China

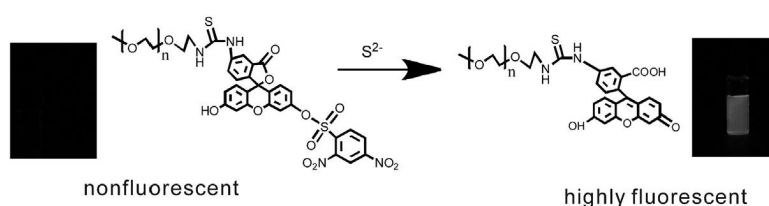
Synthesis of poly(2,6-dimethyl-1,4-phenylene oxide) derivatives in water using water-soluble copper complex catalyst with natural ligands

pp 5684–5690

Chi-Wei Chen^a, I-Hong Lin^b, Chung-Chang Lin^b, Jen-Lien Lin^b, Masaki Horie^{a,*}^a Frontier Research Center on Fundamental and Applied Sciences of Matters, Department of Chemical Engineering, National Tsing-Hua University, 101, Section 2, Kuang-Fu Road, Hsinchu 30013, Taiwan^b Material and Chemical Research Laboratories, Industrial Technology Research Institute, 321, Section 2, Kuang-Fu Road, Hsinchu 30011, Taiwan

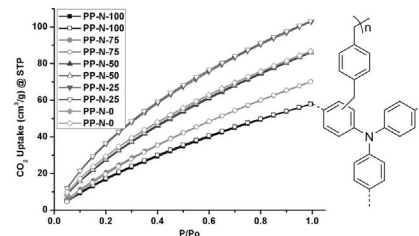
A water-soluble, low-cytotoxic and sensitive fluorescent probe based on poly(ethylene glycol) for detecting sulfide anion in aqueous media and imaging inside live cells

pp 5691–5697

Fangyuan Zheng^a, Min Wen^a, Fang Zeng^{a,*}, Shuizhu Wu^{a,b,*}^a College of Materials Science & Engineering, South China University of Technology, Guangzhou 510640, PR China^b State Key Laboratory of Luminescent Materials & Devices, South China University of Technology, Guangzhou 510640, PR China

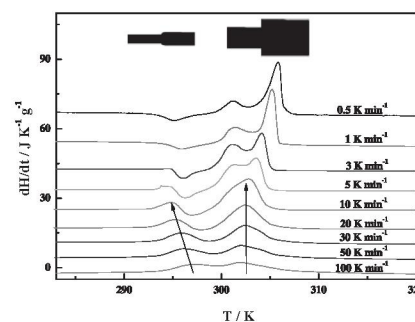
Synthesis and characterization of triphenylamine-containing microporous organic copolymers for carbon dioxide uptake

pp 5698–5702

Yanqin Yang^{a,b}, Qiang Zhang^{a,b}, Suobo Zhang^{a,*}, Shenghai Li^a^a Key Laboratory of Polymer Ecomaterials, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, China^b University of Chinese Academy of Sciences, Beijing 100049, China

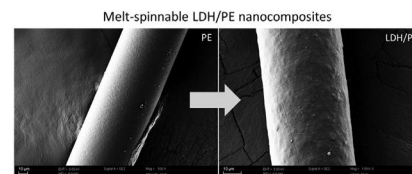
Multiple recrystallization behavior of poly(1,1-dimethylsilacyclobutane): A combined calorimetric and small angle X-ray scattering study

pp 5703–5711

Junyu Li^{a,*}, Björn Kuttich^a, Markus Gallei^b, Johannes Elbert^b, Matthias Rehahn^b, Bernd Stühn^{a,*}^a Institute of Condensed Matter Physics, Darmstadt University of Technology, Hochschulstraße 8, D-64289 Darmstadt, Germany^b Ernst-Berl Institute for Chemical Engineering and Macromolecular Science, Darmstadt University of Technology, Petersenstraße 22, D-64287 Darmstadt, Germany

Melt-spinning of LDH/HDPE nanocomposites

pp 5712–5718

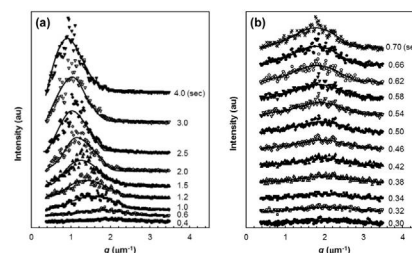
Burak Kutlu^{a,b,*}, Juliane Meinl^a, Andreas Leuteritz^a, Harald Brüning^a, Gert Heinrich^{a,b}^a Leibniz-Institut für Polymerforschung Dresden e.V., Hohe Str. 6, 01069 Dresden, Germany^b Technische Universität Dresden, Institut für Werkstoffwissenschaft, 01062 Dresden, Germany

Light scattering behavior and the kinetics of pressure-induced phase separation in solutions of poly(ε-caprolactone) in acetone + CO₂ binary fluid mixtures

pp 5719–5732

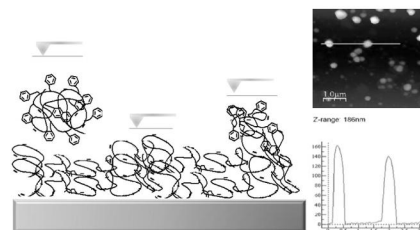
Shinya Takahashi, John C. Hassler, Erdogan Kiran^{*}

Department of Chemical Engineering, Virginia Tech, Blacksburg, VA 24061, USA

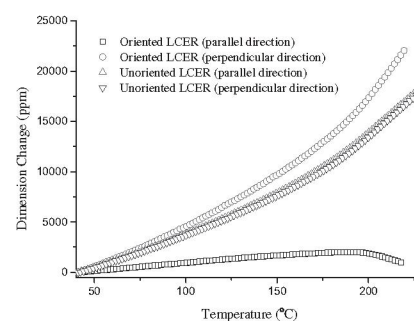


Thin films of amphiphilic polyelectrolytes. Soft materials characterized by Kelvin probe force microscopy

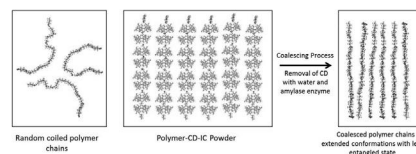
pp 5733–5740

X.G. Briones^a, M.D. Urzúa^{a,*}, H.E. Ríos^a, F.J. Espinoza-Beltrán^b, R. Dabirian^{a,d}, M. Yazdani-Pedram^c^a Departamento de Química, Facultad de Ciencias, Universidad de Chile, Las Palmeras 3425, Casilla 653, Santiago, Chile^b Centro de Investigación y de Estudios Avanzados del IPN, Unidad Querétaro (CINVESTAV-Querétaro), Mexico^c Departamento de Química Orgánica y Fisicoquímica, Facultad de Ciencias Químicas y Farmacéuticas, Universidad de Chile, Santiago, Chile^d Departamento de Química Fundamental, Universidade Federal de Pernambuco, 50740-560 Recife-PE, Brazil**Liquid crystalline epoxy resin based on biphenyl mesogen: Effect of magnetic field orientation during cure**

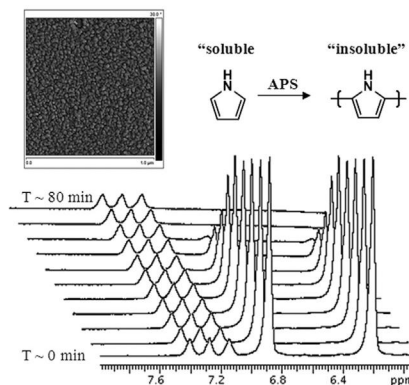
pp 5741–5746

Yuzhan Li^{a,c}, Michael R. Kessler^{a,b,c,*}^a Department of Materials Science and Engineering, Iowa State University, Ames, IA, USA^b Ames Laboratory, US Department of Energy, Ames, IA, USA^c School of Mechanical and Materials Engineering, Washington State University, Pullman, WA 99164-2920, USA**Single-component poly(ϵ -caprolactone) composites**

pp 5747–5753

Alper Gurarlan^{a,b}, Jialong Shen^a, Alan E. Tonelli^{a,*}^a Fiber & Polymer Science Program, North Carolina State University, Raleigh, NC 27695 8301, USA^b Materials Science and Engineering, North Carolina State University, Raleigh, NC 27695 7907, USA**Pyrrole polymerization on polyimide surfaces creates conductive nano-domains**

pp 5754–5761

Simona Percec^{a,*}, Laurie Howe^a, Jing Li^a, Andrew Bagshaw^b, Scott Peacock^a, Conor Bolas^c, Donald Brill^a^a DuPont Central Research and Development, Experimental Station, Wilmington, DE 19880, USA^b School of Chemistry, University of Bristol, BS8 1TS, UK^c School of Chemistry, University of Edinburgh, EH9 3JJ, UK

Effect of nucleation and plasticization on the stereocomplex formation between enantiomeric poly(lactic acid)s

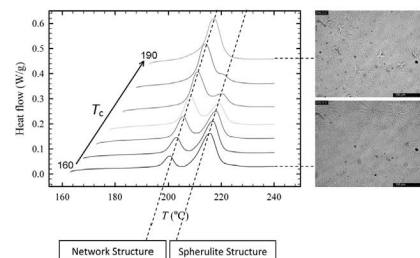
pp 5762–5770

Sajjad Saeidlou^a, Michel A. Huneault^{a,*}, Hongbo Li^b, Chul B. Park^c

^a Department of Chemical and Biotechnological Engineering, Université de Sherbrooke, Sherbrooke, QC J1K 2R1, Canada

^b National Research Council of Canada, 75 de Mortagne, Boucherville, QC J4B 6Y4, Canada

^c Department of Mechanical and Industrial Engineering, University of Toronto, 5 King's College Road, Toronto, ON M5S 3G8, Canada



A facile method to functionalize engineering solid membrane supports for rapid and efficient oil–water separation

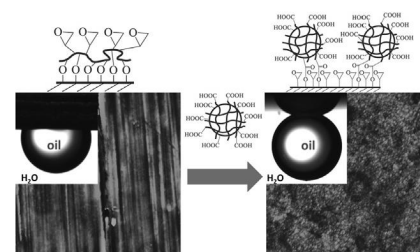
pp 5771–5778

Benxin Jing^a, Haitao Wang^c, Kun-Yi Lin^c, Paul J. McGinn^a, Chongzheng Na^c, Yingxi Zhu^{a, b,*}

^a Department of Chemical and Biomolecular Engineering, University of Notre Dame, Notre Dame, IN 46556, United States

^b Department of Chemistry and Biochemistry, University of Notre Dame, Notre Dame, IN 46556, United States

^c Department of Civil & Environmental Engineering & Earth Sciences, University of Notre Dame, Notre Dame, IN 46556, United States



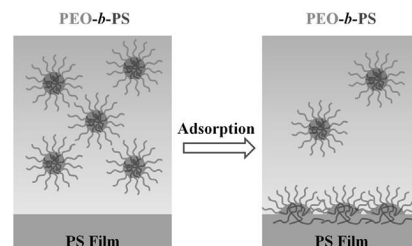
Adsorption kinetics and stability of poly(ethylene oxide)-block-polystyrene micelles on polystyrene surface

pp 5779–5789

Bo Peng^{a, b}, Xiao Chu^a, Yuyan Li^a, Desheng Li^a, Yongming Chen^{a, b,*}, Jiang Zhao^a

^a Laboratory of Polymer Physics and Chemistry, Institute of Chemistry, The Chinese Academy of Sciences, Zhongguancun North First Street 2, Beijing 100190, China

^b School of Chemistry and Chemical Engineering, Key Laboratory for Polymeric Composite and Functional Materials of Ministry of Education P.R. China, Sun Yat-sen University, No. 135, Xingang Xi Road, Guangzhou 510275, China



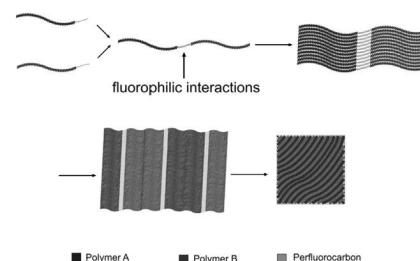
Blends of polystyrene and poly(n-butyl methacrylate) mediated by perfluorocarbon end groups

pp 5790–5800

Jingguo Shen^a, Victoria A. Piunova^a, Steven Nutt^{a, b}, Thieo E. Hogen-Esch^{a,*}

^a Loker Hydrocarbon Research Institute and Department of Chemistry, University of Southern California, Los Angeles, CA 90089-1661, USA

^b Department of Chemical Engineering and Materials Science, University of Southern California, Los Angeles, CA 90089-1661, USA

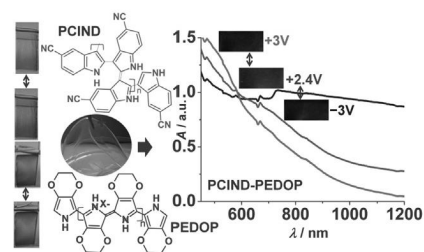


Electrochromic switching and nanoscale electrical properties of a poly(5-cyano indole)-poly(3,4-ethylenedioxy pyrrole) device with a free standing ionic liquid electrolyte

pp 5801–5811

B. Narsimha Reddy, Melepurath Deepa*

Department of Chemistry, Indian Institute of Technology Hyderabad, Ordnance Factory Estate, Yeddumailaram, 502205 Andhra Pradesh, India

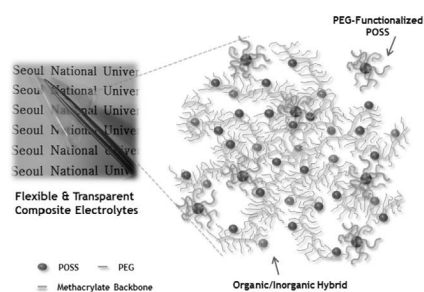


Preparation of solid-state composite electrolytes based on organic/inorganic hybrid star-shaped polymer and PEG-functionalized POSS for all-solid-state lithium battery applications

pp 5812–5820

Dong-Gyun Kim, Jimin Shim, Jin Hong Lee, Su-Jee Kwon, Ji-Hoon Baik, Jong-Chan Lee*

School of Chemical and Biological Engineering, and Institute of Chemical Processes, Seoul National University, 599 Gwanak-ro, Gwanak-gu, Seoul 151-744, Republic of Korea



The role of functional groups on graphene oxide in epoxy nanocomposites

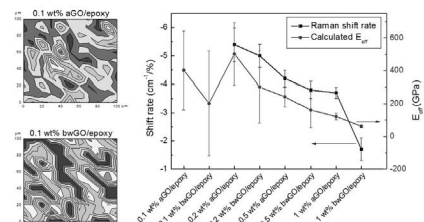
pp 5821–5829

Zheng Li^{a,b}, Robert J. Young^{b,**}, Rongguo Wang^{a,*}, Fan Yang^a, Lifeng Hao^a, Weicheng Jiao^a, Wenbo Liu^c

^a Center for Composite Materials and Structures, Harbin Institute of Technology, Harbin 150080, China

^b Materials Science Centre, School of Materials, The University of Manchester, Manchester M13 9PL, UK

^c School of Materials Science and Engineering, Harbin Institute of Technology, Harbin 150001, China



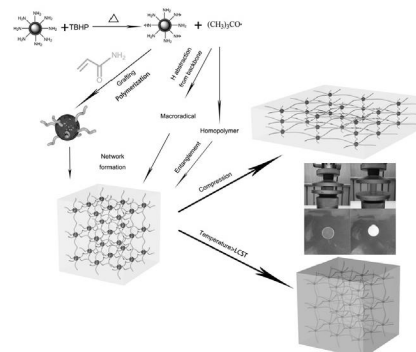
A novel fabrication method of temperature-responsive poly(acrylamide) composite hydrogel with high mechanical strength

pp 5830–5838

Pengchong Li^{a,b}, Kun Xu^{a,*}, Ying Tan^a, Cuige Lu^{a,b}, Yangling Li^{a,b}, Pixin Wang^{a,*}

^a Key Laboratory of Polymer Ecomaterials, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, PR China

^b University of Chinese Academy of Sciences, Beijing 100049, PR China



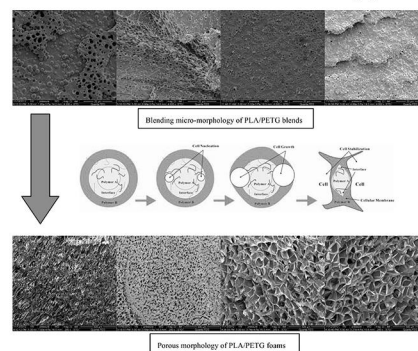
Study on the effect of dispersion phase morphology on porous structure of poly (lactic acid)/poly (ethylene terephthalate glycol-modified) blending foams

Xiangdong Wang^{a,*}, Wei Liu^{a,b}, Hongfu Zhou^a, Bengang Liu^a, Hangquan Li^{b,**}, Zhongjie Du^b, Chen Zhang^b

^a School of Materials and Mechanical Engineering, Beijing Technology and Business University, Beijing 100048, PR China

^b Key Laboratory of Carbon Fiber and Functional Polymers, Ministry of Education, Beijing University of Chemical Technology, Beijing 100029, PR China

pp 5839–5851

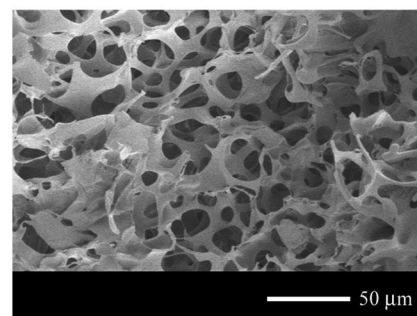


Macroporous materials from water-in-oil high internal phase emulsion stabilized solely by water-dispersible copolymer particles

Ye Hua, Yeqian Chu, Shengmiao Zhang^{*}, Yun Zhu, Jianding Chen^{*}

Shanghai Key Laboratory of Advanced Polymeric Materials, Key Laboratory for Ultrafine Materials of Ministry of Education, School of Materials Science and Engineering, East China University of Science and Technology, Shanghai 200237, China

pp 5852–5857



Thermal annealing as a new simple method for PTFE texturing

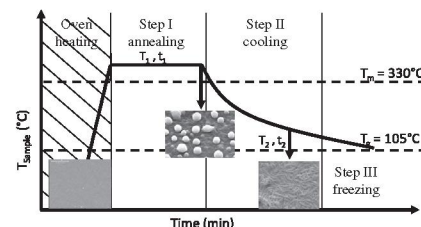
Patrice Glaris^{a,b,c}, Jean-F. Coulon^b, Michel Dorget^a, Fabienne Poncin-Epaillard^{c,*}

^a CTM, rue Thalès de Millet, 72000 Le Mans, France

^b ECAM Rennes – Louis de Broglie, Campus de Ker Lann – Bruz, 35091 Rennes, France

^c LUNAM Université, UMR Université du Maine – CNRS n° 6283, Institut des Molécules et Matériaux du Mans, département Polymères, Colloïdes et Interfaces, Avenue Olivier Messiaen, 72085 Le Mans Cedex, France

pp 5858–5864



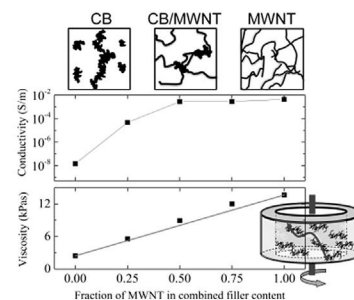
Influence of shear deformation on the electrical and rheological properties of combined filler networks in polymer melts: Carbon nanotubes and carbon black in polycarbonate

K. Hilarius^a, D. Lellinger^a, I. Alig^{a,*}, T. Villmow^b, S. Pegel^b, P. Pötschke^b

^a Fraunhofer Institute for Structural Durability and System Reliability LBF, Division Plastics, Schlossgartenstr. 6, 64289 Darmstadt, Germany

^b Leibniz Institute of Polymer Research Dresden (IPF), Hohe Straße 6, D-01069 Dresden, Germany

pp 5865–5874



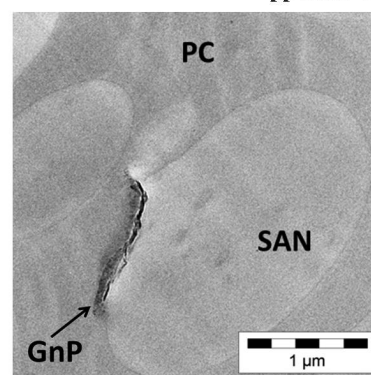
A morphological study on the dispersion and selective localization behavior of graphene nanoplatelets in immiscible polymer blends of PC and SAN

pp 5875–5882

Marco Liebscher^{a,b}, Marc-Olivier Blais^a, Petra Pötschke^{a,*}, Gert Heinrich^{a,b}

^a Leibniz-Institut für Polymerforschung Dresden e.V. (Leibniz Institute of Polymer Research Dresden, IPF), Hohe Str. 6, D-01069 Dresden, Germany

^b Technische Universität Dresden, Institut für Werkstoffwissenschaft, D-01069 Dresden, Germany



Influence of a particulate nucleating agent on the quiescent and flow-induced crystallization of isotactic polypropylene

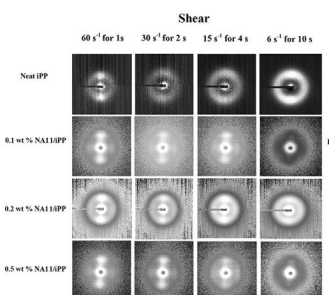
pp 5883–5891

Nilesh Patil^d, Carmine Invigorito^a, Markus Gahleitner^c, Sanjay Rastogi^{a,b,*}

^a Department of Materials, Loughborough University, Leicestershire LE11 3TU, UK

^b Dutch Polymer Institute, P.O. Box 902, 5600 AX Eindhoven, The Netherlands

^c Borealis Polyolefine GmbH, Innovation Headquarters, St. Peterstraße 25, 4021 Linz, Austria

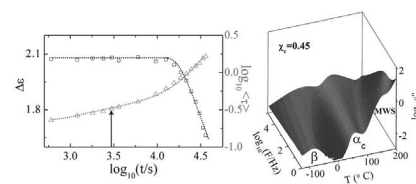


Dielectric relaxation of poly (trimethylene terephthalate) in a broad range of crystallinity

pp 5892–5898

Ignacio Martín-Fabiani^{*}, Amelia Linares, Aurora Nogales, Tiberio A. Ezquerro

Instituto de Estructura de la Materia (IEM-CSIC), Serrano 121, 28006 Madrid, Spain

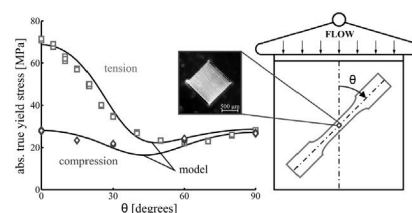


Anisotropic yielding of injection molded polyethylene: Experiments and modeling

pp 5899–5908

D.J.A. Senden, G.W.M. Peters, L.E. Govaert, J.A.W. Van Dommelen^{*}

Department of Mechanical Engineering, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven, The Netherlands



Effect of electrospun ethylene vinyl alcohol copolymer (EVOH) fibres on the structure, morphology, and properties of poly(lactic acid) (PLA)

pp 5909–5919

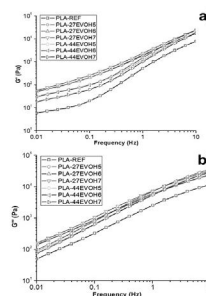
Ramesh Neppalli^{a,*}, Valerio Causin^b, Antonio Marigo^b,
Martina Meincken^c, Patrice Hartmann^d, Albert J. van Reenen^a

^a Department of Chemistry and Polymer Science, University of Stellenbosch, Stellenbosch, Western Cape 7602, South Africa

^b Dipartimento di Scienze Chimiche, Università di Padova, Italy

^c Department of Forest and Wood Science, University of Stellenbosch, South Africa

^d Mpac Research & Development, Paul Sauer Building, Bosman Street, Stellenbosch, South Africa



Impact of PLGA molecular behavior in the feed solution on the drug release kinetics of spray dried microparticles

pp 5920–5927

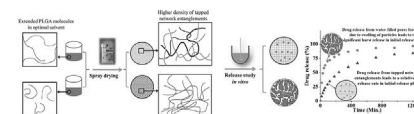
Feng Wan^a, Jian X. Wu^a, Adam Bohr^{a,b}, Stefania G. Baldursdottir^a,
Morten Jonas Maltesen^c, Simon Bjerregaard^d, Camilla Foged^a,
Jukka Rantanen^a, Mingshi Yang^{a,*}

^a Department of Pharmacy, Faculty of Health and Medical Sciences, University of Copenhagen, Universitetsparken 2, 2100 Copenhagen Ø, Denmark

^b Department of Mechanical Engineering, University College London, Torrington Place, London WC1E 7JE, UK

^c Biopharma Application Development, Novozymes Biopharma A/S, Kroghshøjvej 36, 2880 Bagsvaerd, Denmark

^d Preformulation and Delivery/Oral Protein Delivery, Diabetes Research Unit, Novo Nordisk A/S, Måløv Byvej 200, 2760 Måløv, Denmark

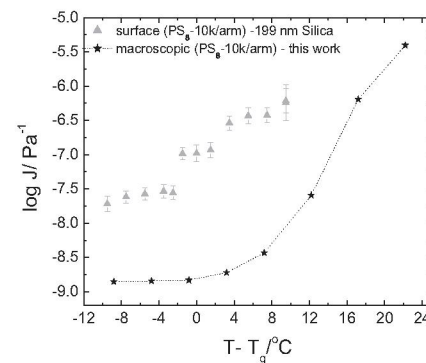


Comparison of surface mechanical properties among linear and star polystyrenes: Surface softening and stiffening at different temperatures

pp 5928–5935

Taskin B. Karim, Gregory B. McKenna^{*}

Department of Chemical Engineering, Texas Tech University, Lubbock, TX 79409, USA



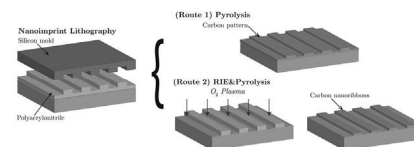
Carbon nanopatterns and nanoribbons from directly nanoimprinted polyacrylonitrile: Correlation between crystallite orientation and nanoimprint process

pp 5936–5941

Zheng Zhang^{a,*}, Daniela Molina Piper^a, Seoung-Bum Son^b, Seul Cham Kim^b, Kyu Hwan Oh^b,
Se-Hee Lee^a, Yifu Ding^{a,*}

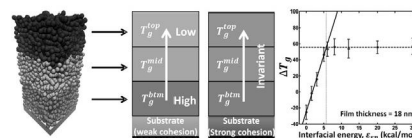
^a Department of Mechanical Engineering, University of Colorado, Boulder, CO 80309-0427, United States

^b Department of Materials Science and Engineering, Seoul National University, Seoul 151-742, Republic of Korea

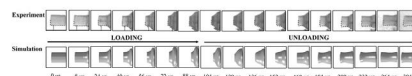


Substrate vs. free surface: Competing effects on the glass transition of polymer thin films

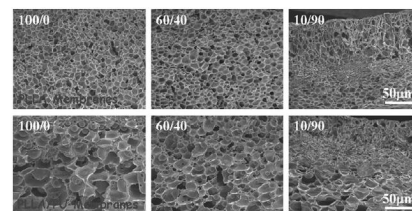
pp 5942–5951

Wenjie Xia^{a,b}, Shawn Mishra^{a,b}, Sinan Keten^{a,b,*}^a Dept. of Civil & Environmental Engineering, Northwestern University, 2145 Sheridan Road, Evanston, IL 60208-3109, United States^b Dept. of Mechanical Engineering, Northwestern University, 2145 Sheridan Road, Evanston, IL 60208-3109, United States**Dissipation and resilience of elastomeric segmented copolymers under extreme strain rates**

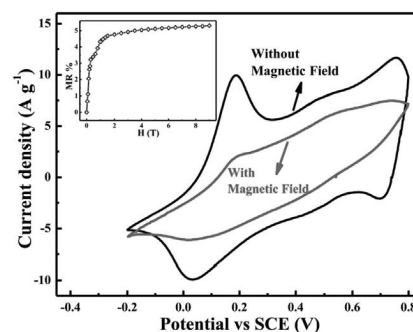
pp 5952–5964

Hansohl Cho^a, Susan Bartyczak^b, Willis Mock, Jr.^b, Mary C. Boyce^{a,*}^a Department of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139, USA^b Naval Surface Warfare Center, Dahlgren Division, Dahlgren, VA 22448, USA**Morphology and performance control of PLLA-based porous membranes by phase separation**

pp 5965–5973

Qian Xing^a, Xia Dong^{a,*}, Rongbo Li^b, Hongjun Yang^a, Charles C. Han^a, Dujin Wang^a^a Beijing National Laboratory for Molecular Sciences, CAS Key Laboratory of Engineering Plastics, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, PR China^b Petrochina Petrochemical Research Institute, Beijing 100195, PR China**Hexavalent chromium synthesized polyaniline nanostructures: Magnetoresistance and electrochemical energy storage behaviors**

pp 5974–5985

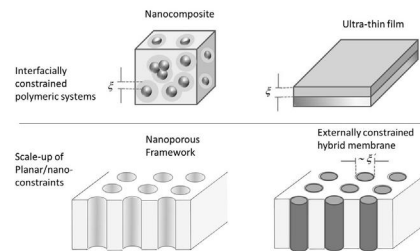
Hongbo Gu^{a,b}, Huijie Wei^{a,c}, Jiang Guo^a, Neel Haldolaarachige^d, David P. Young^d, Suying Wei^{a,c,*}, Zhanhu Guo^{a,**}^a Integrated Composites Laboratory (ICL), Dan F. Smith Department of Chemical Engineering, Lamar University, Beaumont, TX 77710, USA^b School of Chemical Engineering and Technology, Harbin Institute of Technology, Harbin, Heilongjiang 150001, China^c Department of Chemistry and Biochemistry, Lamar University, Beaumont, TX 77710, USA^d Department of Physics and Astronomy, Louisiana State University, Baton Rouge, LA 70803, USA

Transport and stability enhancement in interfacially and dimensionally constrained CO₂ selective polymers embedded in nanoporous sieve membranes

pp 5986–5992

Lakshmi S. Kocherlakota, Tiep Pham, René M. Overney*

Department of Chemical Engineering, University of Washington, Seattle, WA 98195, United States

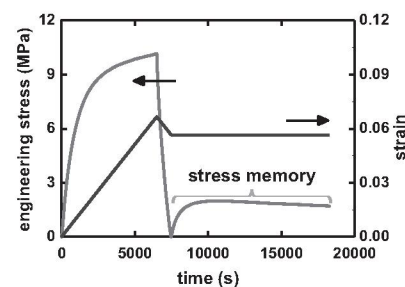


The response of a glassy polymer in a loading/unloading deformation: The stress memory experiment

pp 5993–6002

Jae Woo Kim, Grigori A. Medvedev, James M. Caruthers*

School of Chemical Engineering, Purdue University, West Lafayette, IN 47907, United States

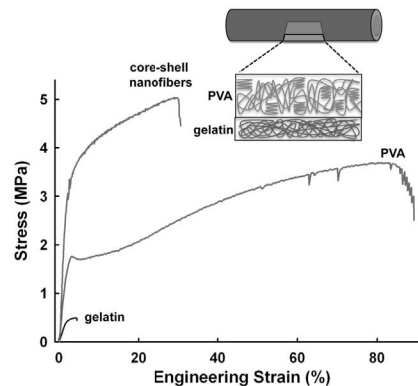


Gelatin shells strengthen polyvinyl alcohol core-shell nanofibers

pp 6003–6007

Valerie Merkle^a, Like Zeng^b, Weibing Teng^b, Marvin Slepian^{a,c}, Xiaoyi Wu^{a, b, *}

^a Biomedical Engineering Graduate IDP, University of Arizona, Tucson, AZ 85721, USA
^b Aerospace & Mechanical Engineering, University of Arizona, Tucson, AZ 85721, USA
^c Sarver Heart Center & Department of Medicine, College of Medicine, University of Arizona, Tucson, AZ 85721, USA

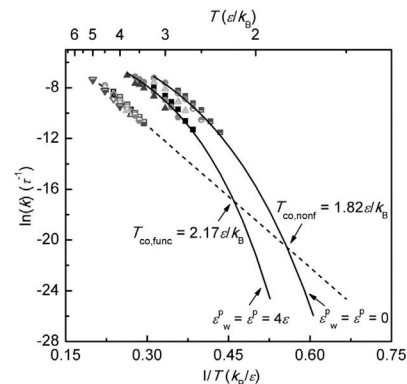


Depletion kinetics of perfluoropolyether films with functional end groups using molecular dynamics simulation

pp 6008–6018

Bei Li, Chee How Wong*

School of Mechanical and Aerospace Engineering, Nanyang Technological University, 50 Nanyang Avenue, Singapore 639798, Singapore



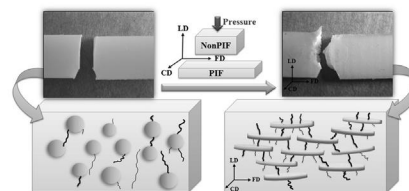
Toughening plastics by crack growth inhibition through unidirectionally deformed soft inclusions

pp 6019–6025

Sen Zhang^a, Shu Zhu^a, Keqing Han^a, Xiaoling Feng^a, Yu Ma^{a,*}, Muhuo Yu^{a,*}, Günter Reiter^{b,*}

^a State Key Laboratory for Modification of Chemical Fibers and Polymer Materials, College of Materials Science and Engineering, Donghua University, Shanghai 201620, PR China

^b Physikalisches Institut and Freiburger Materialforschungszentrum, Albert-Ludwigs-Universität Freiburg, Freiburg 79104, Germany

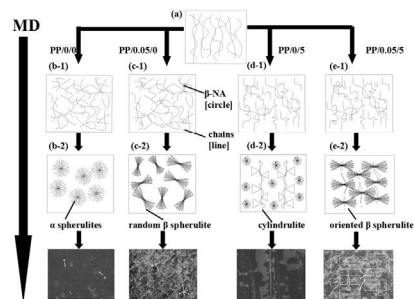


Novel approach to tune mechanics of β -nucleation agent nucleated polypropylene: Role of oriented β spherulite

pp 6026–6035

Yu Zhang, Lei Zhang, Hong Liu, Hainan Du, Jie Zhang*, Tao Wang, Xiongwei Zhang

State Key Laboratory of Polymer Materials Engineering, College of Polymer Science and Engineering, Sichuan University, Chengdu 610065, PR China



Mechanisms of ordering in block copolymer sub-monolayer films upon selective solvent annealing

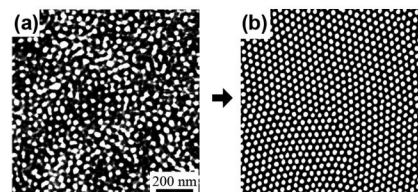
pp 6036–6044

Xiaodong Hong^{a,b}, Binsong Wang^c, Hao Wang^a, You Wang^{a,*}

^a Materials Physics and Chemistry Department, Harbin Institute of Technology, Harbin 150001, China

^b College of Materials Science and Engineering, Liaoning Technical University, Fuxin 123000, China

^c Key Laboratory of Functional Inorganic Material Chemistry, Ministry of Education of the People's Republic of China, Heilongjiang University, Harbin 150080, China



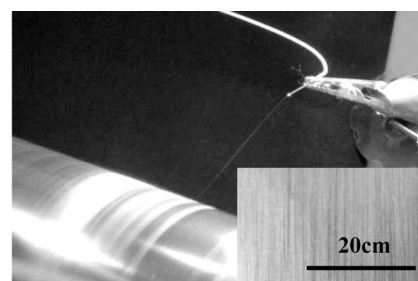
Control of structure and morphology of highly aligned PLLA ultrafine fibers via linear-jet electrospinning

pp 6045–6051

Zongyuan Liu^a, Xiong Li^a, Yin Yang^a, Kai Zhang^a, Xuefen Wang^{a,b,*}, Meifang Zhu^{a,**}, Benjamin S. Hsiao^b

^a State Key Lab for Modification of Chemical Fibers and Polymer Materials, Donghua University, Shanghai 201620, PR China

^b Department of Chemistry, Stony Brook University, Stony Brook, NY 11794, USA



*Corresponding author

Available online at www.sciencedirect.com

ScienceDirect

Full text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei compendex, EMBASE/ Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®



ISSN 0032-3861

Author Index

- Abid, M. 5482
 Abid, S. 5482
 Alig, I. 5865
 An, H. 5665
 An, S. 5609
 Arake, T. 5643
- Bagshaw, A. 5754
 Bahrig, L. 5525
 Baik, J.-H. 5812
 Baldursdottir, S. G. 5920
 Baranek, A. D. 5553
 Bartyczak, S. 5952
 Bismarck, A. 5511
 Bjerregaard, S. 5920
 Blais, M.-O. 5875
 Bohr, A. 5920
 Bolas, C. 5754
 Bougarech, A. 5482
 Boyce, M. C. 5952
 Brill, D. 5754
 Briones, X. G. 5733
 Broekhuis, A. A. 5456
 Brüll, R. 5518
 Brünig, H. 5712
- Carnicom, E. M. 5560
 Caruthers, J. M. 5993
 Causin, V. 5909
 Changez, M. 5615
 Chen, C.-W. 5684
 Chen, J. 5852
 Chen, Y. 5467, 5634, 5779
 Cho, H. 5952
 Chu, X. 5779
 Chu, Y. 5852
 Chung, I. S. 5648
 Colsmann, A. 5525
 Cong, R. 5518
 Cools, P. J. C. H. 5518
 Coulon, J.-F. 5858
 Coyne, W. E. 5560
- Dabirian, R. 5733
 Deepa, M. 5801
 deGroot, A. W. 5518
 Dehghani, F. 5534
 Ding, Y. 5936
 Dong, X. 5965
 Dorget, M. 5858
 Du, H. 6026
 Du, Z. 5839
- El Gharbi, R. 5482
 Elbert, J. 5703
 Espinoza-Beltrán, F. J. 5733
 Espuche, E. 5482
 Eychmüller, A. 5525
 Ezquerria, T. A. 5892
- Fathi, A. 5534
 Feng, X. 6019
 Fernández-Francos, X. 5473
 Fleury, E. 5482
 Flores, M. 5473
 Foged, C. 5920
 Frey, H. 5443
- Gahleitner, M. 5883
 Gallei, M. 5703
 Ghorbani, M. 5586
 Glaris, P. 5858
 Gouanvé, F. 5482
 Govaert, L. E. 5899
 Gu, H. 5974
- Guo, J. 5974
 Guo, Z. 5974
 Gurarlsan, A. 5747
- Haldolaarachige, N. 5974
 Han, C. C. 5965
 Han, K. 6019
 Hao, L. 5821
 Hartmann, P. 5909
 Hashimoto, H. 5643
 Hassler, J. C. 5719
 Heinrich, G. 5712, 5875
 Hellweg, T. 5499
 Hemati, K. 5574
 Henderson, T. J. 5568
 Heo, J. 5648
 Hickey, S. G. 5525
 Hilarius, K. 5865
 Hirano, T. 5601
 Hogen-Esch, T. E. 5790
 Holder, E. 5525
 Hon, N. 5534
 Hong, X. 6036
 Horie, M. 5684
 Howe, L. 5754
 Hsiao, B. S. 6045
 Hua, Y. 5852
 Huang, Q. 5655
 Huneault, M. A. 5762
 Hur, Y.-H. 5615
- Invigorito, C. 5883
- Jiao, W. 5821
 Jing, B. 5771
- Kaneko, Y. 5643
 Kanelidis, I. 5525
 Kang, B.-G. 5615
 Kang, N.-G. 5615
 Karg, M. 5499
 Karim, T. B. 5928
 Kendrick, L. L. 5553
 Kessler, M. R. 5741
 Keten, S. 5942
 Khoe, S. 5574
 Kim, D.-G. 5812
 Kim, H. T. 5609
 Kim, J. W. 5609, 5993
 Kim, S. 5609
 Kim, S. C. 5936
 Kim, S. D. 5648
 Kim, S. Y. 5648
 Kim, Y. 5609
 Kiran, E. 5719
 Klein, M. F. G. 5525
 Ko, K. D. 5595
 Kocherlakota, L. S. 5986
 Kutlu, B. 5712
 Kuttich, B. 5703
 Kwon, S.-J. 5812
- Lai, J. 5673
 Lambeth, R. H. 5568
 Lee, J. H. 5812
 Lee, J.-C. 5812
 Lee, J.-S. 5615
 Lee, S. 5534, 5648
 Lee, S.-H. 5936
 Lellinger, D. 5865
 Lemmer, U. 5525
 Lenkeit, D. 5525
 Leuteritz, A. 5712
 Li, B. 6008
 Li, D. 5543, 5779
- Li, H. 5762, 5839
 Li, J. 5673, 5703, 5754
 Li, P. 5665, 5830
 Li, R. 5965
 Li, S. 5698
 Li, X. 6045
 Li, Y. 5741, 5779, 5830
 Li, Z. 5655, 5821
 Liebscher, M. 5875
 Lin, C.-C. 5684
 Lin, I.-H. 5684
 Lin, J.-L. 5684
 Lin, K.-Y. 5771
 Linares, A. 5892
 Liu, B. 5839
 Liu, F. 5673
 Liu, H. 6026
 Liu, W. 5821, 5839
 Liu, Z. 6045
 Lu, C. 5665, 5830
- Ma, Y. 6019
 Macko, T. 5518
 Maeda, Y. 5601
 Maltesen, M. J. 5920
 Marigo, A. 5909
 Martin-Fabiani, I. 5892
 McGinn, P. J. 5771
 McKenna, G. B. 5928
 Meagher, L. 5490
 Medvedev, G. A. 5993
 Meincken, M. 5909
 Meinl, J. 5712
 Mekap, D. 5518
 Menner, A. 5511
 Merkle, V. 6003
 Mishra, S. 5942
 Mock, W. 5952
 Molina Piper, D. 5936
 Mori, T. 5601
 Myers, K. D. 5560
- Na, C. 5771
 Neppalli, R. 5909
 Neto, C. 5490
 Nogales, A. 5892
 Nutt, S. 5790
- Oh, K. H. 5936
 Ono, A. 5601
 Oshimura, M. 5601
 Overney, R. M. 5986
- Park, C. B. 5762
 Park, J. H. 5609
 Parrott, A. 5518
 Patil, N. 5883
 Patton, D. L. 5553
 Peacock, S. 5754
 Pegel, S. 5865
 Pelz, S. 5525
 Peng, B. 5779
 Percec, S. 5754
 Peters, G. W. M. 5899
 Pham, T. 5986
 Picchioni, F. 5456
 Pirhady Tavandashti, N. 5586
 Piunova, V. A. 5790
 Poncin-Epaillard, F. 5858
 Pötschke, P. 5865, 5875
 Puetz, A. 5525
- Qi, H. 5673
 Qian, G. 5543
 Qin, J. 5655

- Rajasekar, S. 5626
Ramis, X. 5473
Rantanen, J. 5920
Rastogi, S. 5883
Reddy, B. N. 5801
Rehahn, M. 5703
Reiter, G. 6019
Riemsma, E. 5456
Ríos, H. E. 5733
- Saeidlou, S. 5762
Sajjadi, S. 5467
Sangermano, M. 5473
Schüll, C. 5443
Senden, D. J. A. 5899
Serra, A. 5473
Shen, J. 5747, 5790
Shi, Y. 5634
Shikinaka, K. 5643
Shim, J. 5812
Shin, S. J. 5595
Shojaei, A. 5586
Slepian, M. 6003
Son, H. A. 5609
Son, S.-B. 5936
Stühn, B. 5703
Sugioka, T. 5643
Suh, K.-D. 5609
Sumida, Y. 5643
- Takahashi, S. 5719
Tan, Y. 5665, 5830
Telford, A. M. 5490
Teng, W. 6003
Tillman, E. S. 5560
Tomuta, A. M. 5473
Tonelli, A. E. 5747
Tretbar, C. A. 5553
- Urzúa, M. D. 5733
Ute, K. 5601
- Valtchev, P. 5534
Van Dommelen, J. A. W. 5899
van Reenen, A. J. 5909
Venkatesan, D. 5626
Villmow, T. 5865
von Nessen, K. 5499
- Wan, F. 5920
Wang, B. 6036
Wang, D. 5965
Wang, H. 5771, 6036
Wang, P. 5665, 5830
Wang, R. 5821
Wang, T. 6026
Wang, X. 5839, 6045
Wang, Y. 6036
Wang, Z. Y. 5543
Wei, H. 5974
Wei, S. 5974
Wen, M. 5691
Wever, D. A. Z. 5456
Wong, C. H. 6008
Wu, J. X. 5920
Wu, R. 5511
Wu, S. 5691
Wu, W. 5655
Wu, X. 6003
- Xia, W. 5942
Xing, Q. 5965
Xu, K. 5665, 5830
- Yamamoto, H. 5601
Yan, Y. 5634
Yang, F. 5821
- Yang, H. 5965
Yang, M. 5920
Yang, Y. 5698, 6045
Yau, W. 5518
Yazdani-Pedram, M. 5733
Ye, C. 5655
You, X. 5673
Youk, J. H. 5595
Young, D. P. 5974
Young, R. J. 5821
Yu, M. 6019
Yu, W.-R. 5595
Yu, Y. C. 5595
Yu, Y.-G. 5615
- Zeng, F. 5691
Zeng, L. 6003
Zhang, C. 5839
Zhang, H. 5673
Zhang, J. 5525, 6026
Zhang, K. 6045
Zhang, L. 6026
Zhang, Q. 5698
Zhang, S. 5698, 5852, 6019
Zhang, X. 6026
Zhang, Y. 6026
Zhang, Z. 5936
Zhao, J. 5779
Zheng, F. 5691
Zhong, C. 5655
Zhong, X. 5534
Zhou, H. 5839
Zhu, M. 6045
Zhu, S. 6019
Zhu, W. 5634
Zhu, Y. 5771, 5852