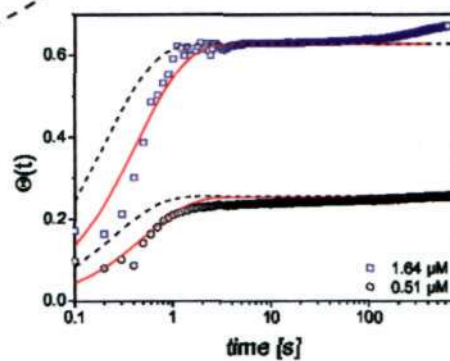
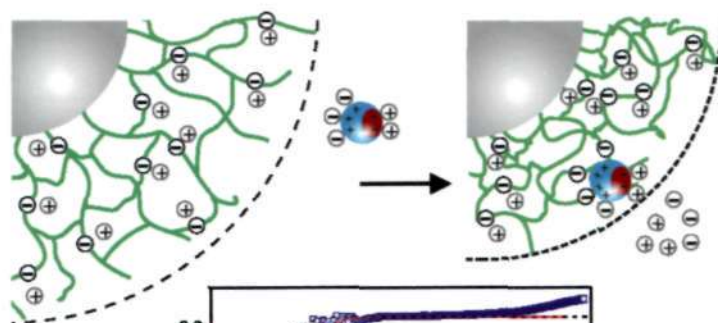
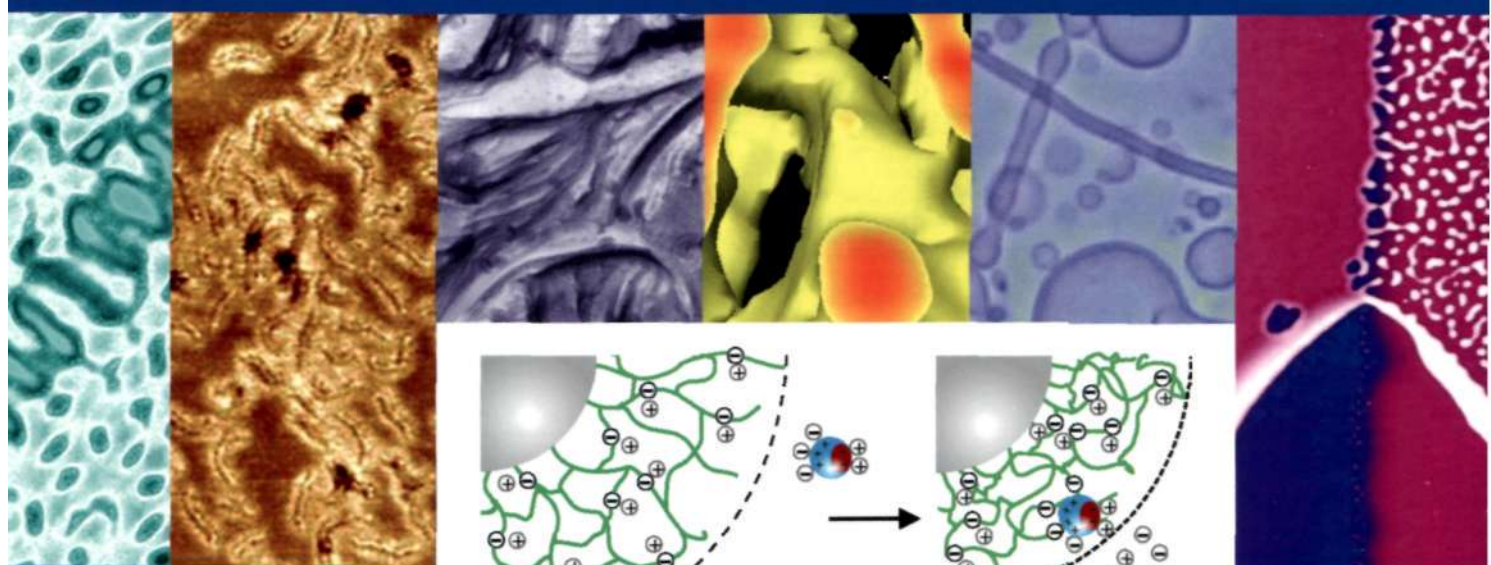
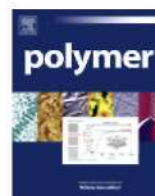


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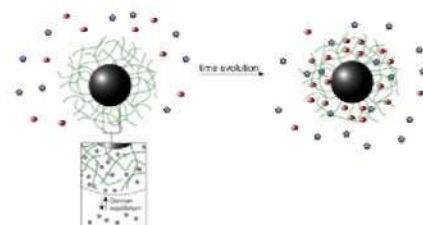
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Nicole Welsch^{a,b}, Yan Lu^{a,b}, Joachim Dzubiella^{a,b,c}, Matthias Ballauff^{a,b,c,*}

^aSoft Matter and Functional Materials, Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Hahn-Meitner-Platz 1, 14109 Berlin, Germany

^bHelmholtz Virtual Institute, Multifunctional Materials in Medicine, Berlin and Teltow, Germany

^cDepartment of Physics, Humboldt University Berlin, Newtonstr. 15, 12489 Berlin, Germany



POLYMER COMMUNICATION

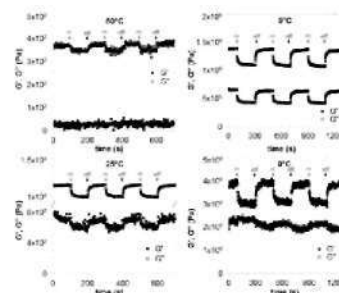
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Michael Petr^a, Matthew E. Helgeson^a, Johannes Soulages^b, Gareth H. McKinley^b, Paula T. Hammond^{a,*}

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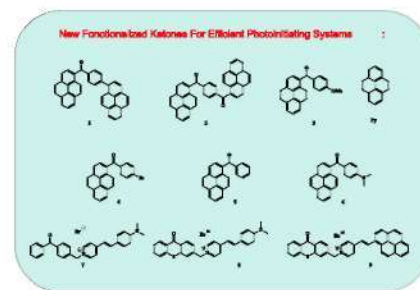
S. Telitel^a, F. Dumur^b, D. Gimes^{b,*}, B. Graff^a, J.P. Fouassier^c, J. Lalevée^{a,*}^aInstitut de Science des Matériaux de Mulhouse, 15 rue Jean Starcky, BP 2488, 68057 Mulhouse Cédex, France^bAix-Marseille Université, CNRS, Institut de Chimie Radicalaire, UMR 7273, F-13397 Marseille, France^cUHIA-ENSCMu, 3 rue Alfred Werner, 68093 Mulhouse, France

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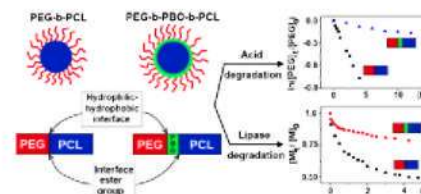
Andrew J. Tilley^a, Min Jeong Kim^b, Ming Chen^b, Kenneth P. Ghiggino^{a,*}^aSchool of Chemistry, University of Melbourne, Parkville, Victoria 3010, Australia^bCSIRO Materials Science and Engineering, Clayton South, Victoria 3169, Australia

Catalyst effects on the ring-opening polymerization of 1,3-benzoxazine and on the polymer structure

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Chao Liu^a, Dongmei Shen^a, Rosa María Sebastián^{a,*}, Jordi Marquet^{a,*}, Rainer Schönfeld^b^aDepartament de Química, Universitat Autònoma de Barcelona, 08193 Bellaterra (Cerdanyola del Vallès), Barcelona, Spain^bAdhesive Technologies-R&D, Henkel AG & Co. KGaA, Henkelstrasse 67, 40191 Düsseldorf, GermanyEnzyme and acid catalyzed degradation of PEG₄₅-b-PBO_{0,6,9}-b-PCL₆₀ micelles: Increased hydrolytic stability by engineering the hydrophilic-hydrophobic interface

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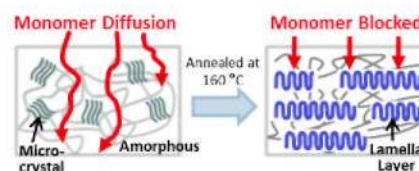
Xiaobo Zhu^a, Vishnu D. Sharma^b, Michael Fryd^a, Marc A. Ilies^{b,*}, Bradford B. Wayland^{a,*}^aDepartment of Chemistry, Temple University, Philadelphia, PA 19122, USA^bDepartment of Pharmaceutical Sciences, School of Pharmacy, Temple University, Philadelphia, PA 19140, USA

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Dingzhi Han^{a,b}, Rachel Letteri^c, Delphine Chan-Seng^d, Todd Emrick^{c,**}, Huilin Tu^{e,*}^aSchlumberger-Doll Research Center, 1 Hampshire Street, Cambridge, MA 02139, United States^bSchool of Materials Science and Engineering, Nanyang Technological University, Singapore^cPolymer Science & Engineering Department, University of Massachusetts Amherst, 120 Governors Drive, Amherst, MA 01002, United States^dInstitut Charles Sadron UPR22-CNRS, 23 rue du Loess, 67034 Strasbourg, France^eSchlumberger Rosharon Campus, 14910 Airline Road, Rosharon, TX 77583, United States**Crystal morphology-dependent graft polymerization in poly(ether ether ketone) films**

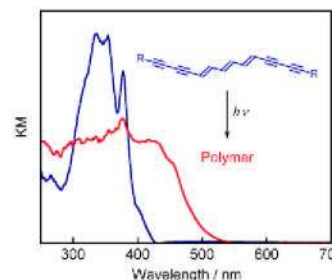
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Shin Hasegawa^a, Shuichi Takahashi^a, Hiroki Iwase^b, Satoshi Koizumi^b, Masato Ohnuma^c, Yasunari Maekawa^{a,*}^aEnvironment and Industrial Materials Research Division, Quantum Beam Science Directorate, Japan Atomic Energy Agency (JAEA), 1233 Watanuki, Takasaki, Gunma 370-1292, Japan^bStrong Correlated Supramolecular Group, Quantum Beam Science Directorate, Japan Atomic Energy Agency (JAEA), Tokai, Ibaraki 319-1195, Japan^cQuantum Beam Center, National Institute for Materials Science (NIMS), 1-2-1 Sengen, Tsukuba, Ibaraki 305-0047, Japan**Synthesis and solid-state polymerization of monomers with a conjugated diyne–triene–diyne structure**

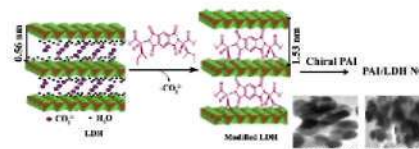
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Graduate School of Science and Engineering, Yamagata University, 4-3-16 Jonan, Yonezawa 992-8510, Japan

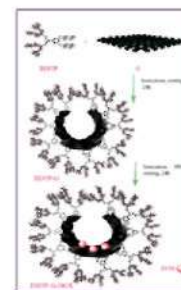
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Edge-functionalization of graphene by polyglycerol; A way to change its flat topology

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Soodabeh Movahedi^a, Mohsen Adeli^{a,b,*}, Ali Kakanejadi Fard^a, Mahin Maleki^a, Majid Sadeghizadeh^c, Farhad Bani^d^aDepartment of Chemistry, Faculty of Science, Lorestan University, Khoramabad, Iran^bDepartment of Chemistry, Sharif University of Technology, Tehran, Iran^cDepartment of Genetics, Faculty of Biological Sciences, Tarbiat Modares University, Tehran, Iran^dDepartment of Nanobiotechnology, Faculty of Biological Sciences, Tarbiat Modares University, Tehran, Iran**Engineering of new crosslinked functional PEG micrometer-sized particles of narrow size distribution for enzyme immobilization**

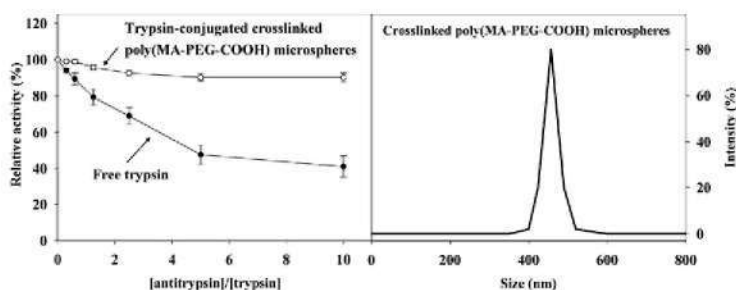
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Natali Askinadze^a, Eran Gluz^a, Ofra Ziv^a, Dana M. Mizrahi^b, Shlomo Margel^{a,*}^aThe Institute of Nanotechnology and Advanced Materials,

Department of Chemistry, Bar-Ilan University, Ramat-Gan 52900, Israel

^bDepartment of Organic Chemistry, Israel Institute for Biological Research,

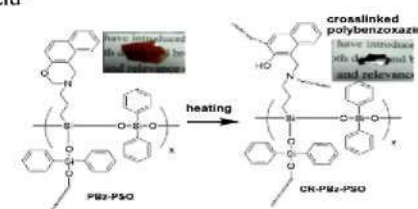
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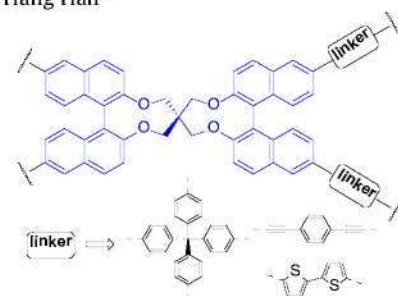
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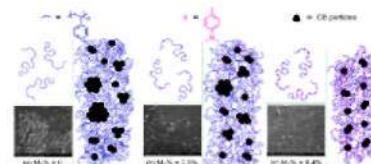
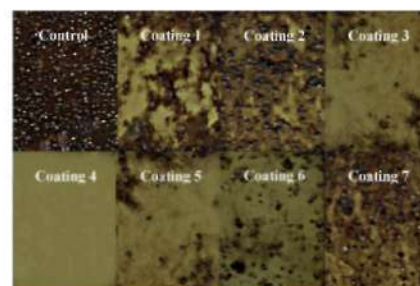
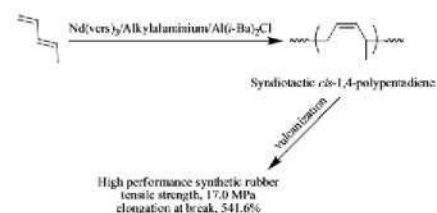
Bin Du^a, Lei Wang^c, Si-Chun Yuan^{a,**}, Ting Lei^b, Jian Pei^{b,*}, Yong Cao^c^aFood Science and Engineering College, Department of Fundamental Science, Beijing University of Agriculture, Beijing 102206, China^bKey Laboratory of Bioorganic Chemistry and Molecular Engineering of Ministry of Education, College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, China^cState Key Laboratory of Luminescent Materials and Devices, Institute of Polymer Optoelectronic Materials and Devices, South China University of Technology, Guangzhou 510640, China**Benzoxazine-containing branched polysiloxanes: Highly efficient reactive-type flame retardants and property enhancement agents for polymers**

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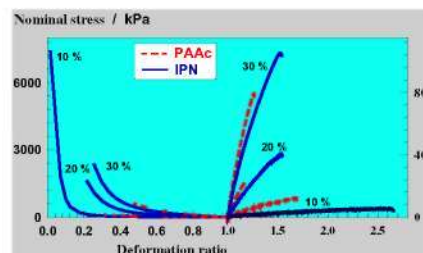
Preparation and gas uptake of microporous organic polymers based on binaphthalene-containing spirocyclic tetraether pp 2952–2957Mei-Yang Jiang^{a,b}, Qiu Wang^{b,c}, Qi Chen^{b,**}, Xin-Ming Hu^b, Xiao-Liang Ren^{a,**}, Zhong-Hua Li^c, Bao-Hang Han^{b,*}^a College of Traditional Chinese Medicine, Tianjin University of Traditional Chinese Medicine, Tianjin 300193, China^b National Center for Nanoscience and Technology, Beijing 100190, China^c College of Chemistry, Central China Normal University, Wuhan 430079, China**In-chain multi-functionalized polystyrene by living anionic copolymerization with 1,1-bis(4-dimethylaminophenyl) ethylene: Synthesis and effect on the dispersity of carbon black in polymer-based composites** pp 2958–2965Lingling Wu, Yanshai Wang, Yurong Wang, Kaihua Shen, Yang Li^{*}

State Key Laboratory of Fine Chemicals, Department of Polymer Science and Engineering, School of Chemical Engineering, Dalian University of Technology, No. 2 Linggong Road, Dalian, Liaoning 116024, China

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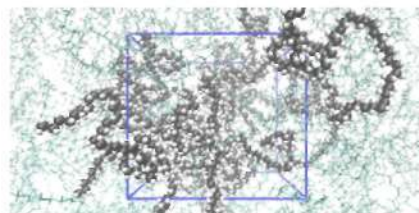
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Tuba Baskan^a, Deniz C. Tuncaboynu^b, Oguz Okay^{a,*}^aIstanbul Technical University, Department of Chemistry, 34469 Maslak, Istanbul, Turkey^bBezmialem Vakif University, Faculty of Pharmacy, 34093 Istanbul, Turkey

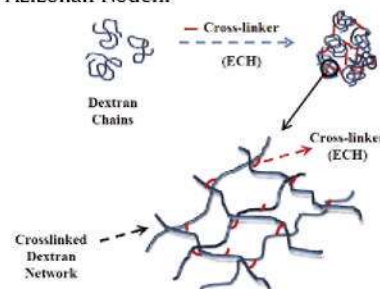
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Anders Börjesson^a, Edwin Erdtman^{a,*}, Peter Ahlström^a, Mikael Berlin^b, Thorbjörn Andersson^b, Kim Bolton^a^aSchool of Engineering, University of Borås, SE-501 90 Borås, Sweden^bTetra Pak Packaging Solutions AB, Ruben Rausing's gata, SE-221 86 Lund, Sweden

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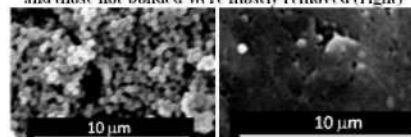
Hamed Salimi Kenari^a, Mohammad Imani^a, Erfan Dashtimoghadam^b, Atoosa Maleki^c, Bo Nyström^{a,*}, Azizollah Nodehi^a^aNovel Drug Delivery Systems Department, Iran Polymer and Petrochemical Institute, P.O. Box 14965/115, Tehran, Iran^bDepartment of Polymer Engineering, Amirkabir University of Technology, Tehran, Iran^cDepartment of Chemistry, University of Oslo, P.O. Box 1033, Blindern, N-0315 Oslo, Norway

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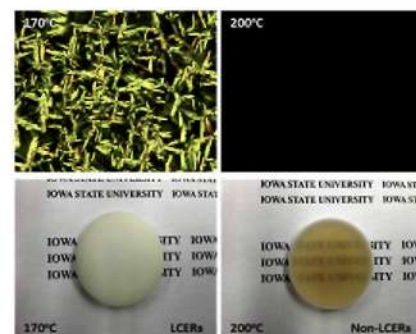
Dean Xiong^a, Guojun Liu^{a,*}, E.J. Scott Duncan^b^aDepartment of Chemistry, Queen's University, 90 Bader Lane, Kingston, Ontario K7L 3N6, Canada^bDepartment of National Defence, Defence R&D Canada Suffield, Box 4000 Stn. Main, Medicine Hat, Alberta T1A 8K6, Canada

Glue-bonded particles (left) survived solvent extraction and those not bonded were mostly removed (right)



Liquid crystalline epoxy resin based on biphenyl mesogen: Thermal characterization

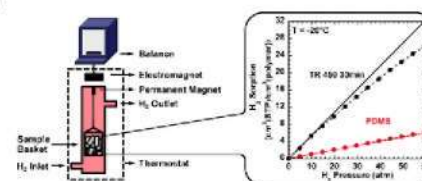
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Yuzhan Li^a, Prashanth Badrinarayanan^b, Michael R. Kessler^{a,c,*}^aDepartment of Materials Science and Engineering, Iowa State University, Ames, IA 50011, USA^bDuPont, 200 Powder Mill Road, Wilmington, DE 19803, USA^cAmes Laboratory, US Department of Energy, Ames, IA 50011, USA**Hydrogen sorption in polymers for membrane applications**

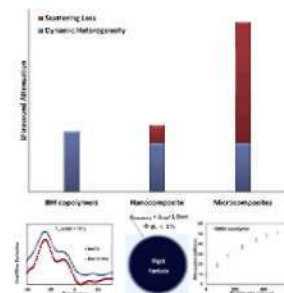
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Zachary P. Smith, Rajkiran R. Tiwari, Thomas M. Murphy, David F. Sanders, Kristofer L. Gleason, Donald R. Paul, Benny D. Freeman*

Department of Chemical Engineering, Texas Materials Institute, Center for Energy and Environmental Research, The University of Texas at Austin, 10100 Burnet Road, Bldg. 133, Austin, TX 78758, USA

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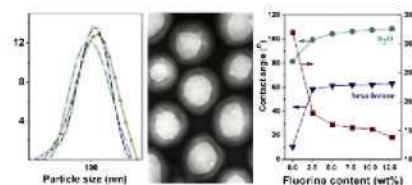
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Farhad Faghihi^{a,b}, Naser Mohammadi^{a,*}, Paul Hazendonk^{b,**}^aLoghman Fundamental Research Group, Department of Polymer Engineering and Color Technology, Amirkabir University of Technology, P. O. Box 15875-4413, Tehran, Iran^bDepartment of Chemistry and Biochemistry, University of Lethbridge, 4401 University Dr, Lethbridge AB T1K 3M4, Canada**Fluorinated poly(isobornyl methacrylate-co-butyl acrylate) core-shell latex nanoparticles: Synthesis, morphology and wettability of films**

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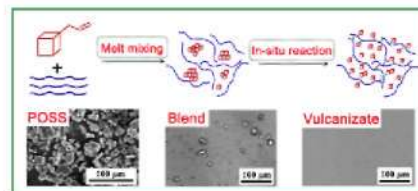
Yaobo Cheng, Zhonggang Wang*

State Key Laboratory of Fine Chemicals, Department of Polymer Science and Materials, School of Chemical Engineering, Dalian University of Technology, Dalian 116024, PR China



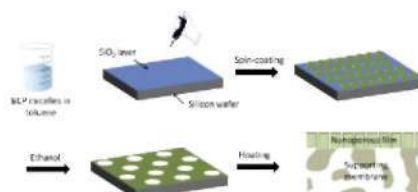
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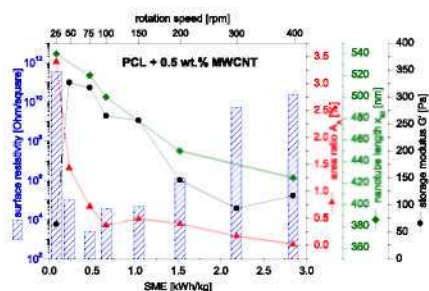
Shuai Liu^{a,b}, Lihua Wang^{a,*}, Biqian Liu^a, Yanlin Song^a^aLaboratory of New Materials, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, PR China^bUniversity of Chinese Academy of Sciences, 100049, PR China

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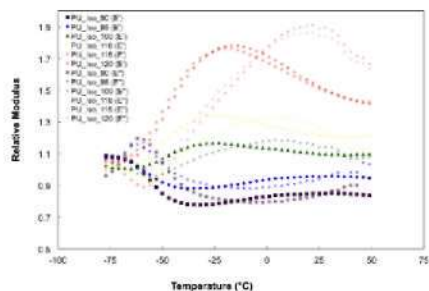
Petra Pötschke^{*}, Tobias Villmow, Beate Krause

Leibniz Institute of Polymer Research Dresden (IPF Dresden), Hohe Str. 6, D-01069 Dresden, Germany



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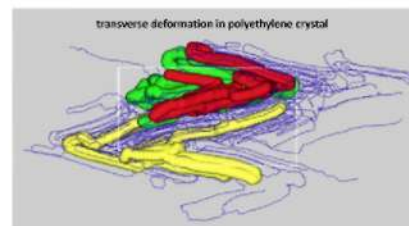
K. Holzworth^{a,*}, Z. Jia^a, A.V. Amirkhizi^a, J. Qiao^b, S. Nemat-Nasser^a^aCenter of Excellence for Advanced Materials, Department of Mechanical and Aerospace Engineering, University of California, San Diego, La Jolla, CA 92093-0416, USA^bSchool of Materials Science and Engineering, Harbin Institute of Technology, Harbin 150001, China

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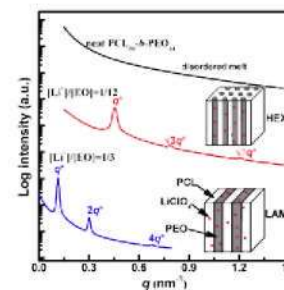
Department of Physics and Informatics, Graduate School of Science and Engineering, Yamaguchi University, Yamaguchi 753-8512, Japan

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MOE Key Laboratory of Macromolecular Synthesis and Functionalization, Department of Polymer Science and Engineering, Zhejiang University, Hangzhou 310027, China

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Ming Zeng^{a,b,*}, Jing Wang^a, Ranran Li^a, Jianxin Liu^a, Wei Chen^b, Qingyu Xu^{c,d}, Yi Gu^{b,**}

^aEngineering Research Center of Nano-Geomaterials of Ministry of Education, China University of Geosciences, Wuhan 430074, PR China

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^cHubei Research Institute of Chemistry, Wuhan 430074, PR China

^dHaiso Technology Co. Ltd., Wuhan 430074, PR China

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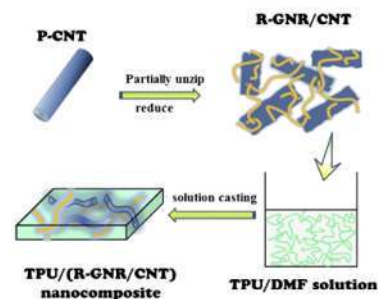
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College of Materials Science and Engineering, The Key Laboratory of Material Processing and Mold of Ministry of Education, Zhengzhou University, Zhengzhou, PR China



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Mingkai Liu^a, Chao Zhang^a, Weng Weei Tjiu^b, Zhe Yang^a, Weizhi Wang^a, Tianxi Liu^{a,*}^aState Key Laboratory of Molecular Engineering of Polymers, Department of Macromolecular Science, Fudan University, Shanghai 200433, PR China^bInstitute of Materials Research and Engineering, A*STAR (Agency for Science, Technology and Research), 3 Research Link, Singapore 117602, Singapore**OTHER CONTENT****Calendar**

*Corresponding author

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