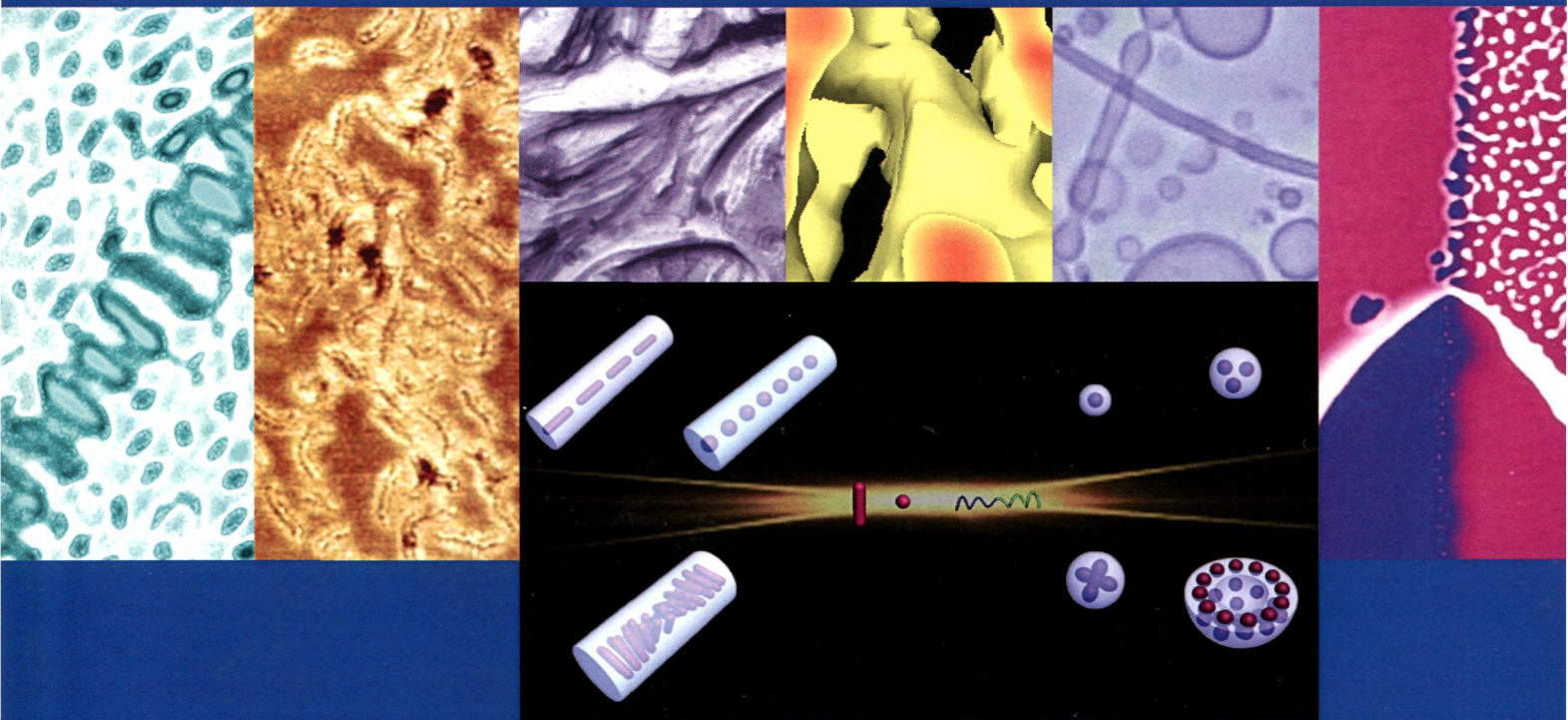
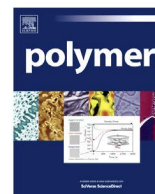


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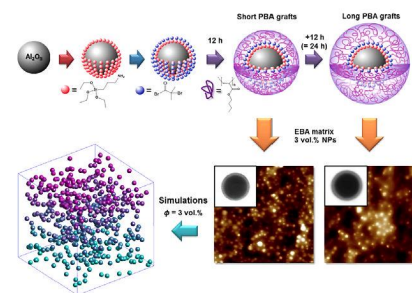
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Martin Wähländer^a, Fritjof Nilsson^{a,b}, Emma Larsson^a, Wen-Chung Tsai^a, Henrik Hillborg^{a,b}, Anna Carlmark^a, Ulf W. Gedde^a, Eva Malmström^{a,*}

^aKTH Royal Institute of Technology, School of Chemical Science and Engineering, Fibre and Polymer Technology, SE-100 44 Stockholm, Sweden

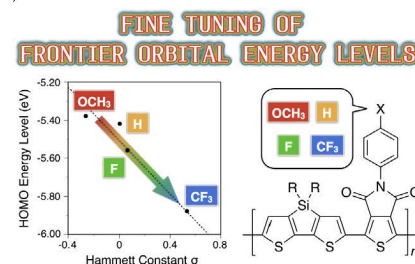
^bABB AB, Corporate Research, Power Technology, SE-721 78 Västerås, Sweden


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Tomoyuki Ikai^{a,b,*}, Tomoya Kudo^a, Masahiro Nagaki^a, Tomoyuki Yamamoto^a, Katsuhiro Maeda^{a,b,*}, Shigeyoshi Kanoh^{a,b}

^aGraduate School of Natural Science and Technology, Kanazawa University, Kakuma-machi, Kanazawa 920-1192, Japan

^bResearch Center for Sustainable Energy and Technology, College of Science and Engineering, Kanazawa University, Kakuma-machi, Kanazawa 920-1192, Japan

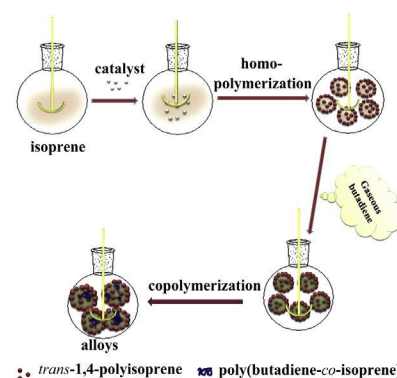


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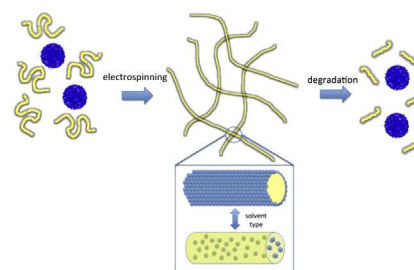
Key Laboratory of Rubber-Plastics, Ministry of Education/Shandong Provincial Key Laboratory of Rubber-Plastics, School of Polymer Science and Engineering, Qingdao University of Science and Technology, Qingdao 266042, China

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Dominic Kehren, Astrid Catalina Molano Lopez, Andrij Pich*

Functional and Interactive Polymers, DWI RWTH Aachen University, Forckenbeckstr. 50, D-52056 Aachen, Germany

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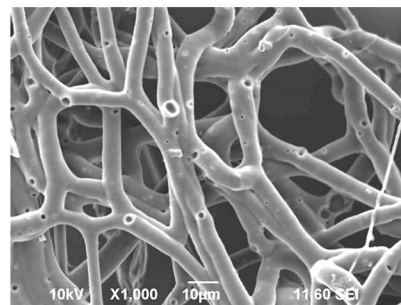
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^aNanomedicine and Nanobiotechnology Laboratory, Department of Physics, College of Arts and Sciences, University of South Florida, 4202 East Fowler Avenue, Tampa, FL 33620, USA

^bProtein Engineering Laboratory, Department of Chemical and Biomedical Engineering, College of Engineering, University of South Florida, USA

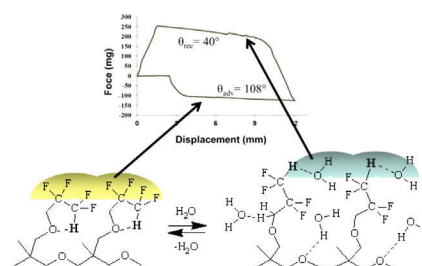
^cCenter for Integrated Functional Materials, Department of Physics, University of South Florida, USA

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Department of Chemical and Life Science Engineering, Virginia Commonwealth University, Richmond, VA 23284, USA

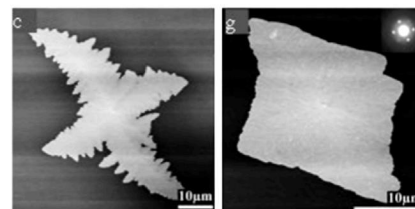


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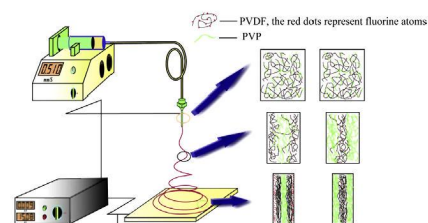
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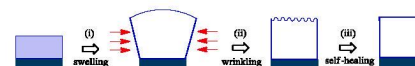
Department of Chemistry, University of Montréal, Montréal H3C 3J7, Canada

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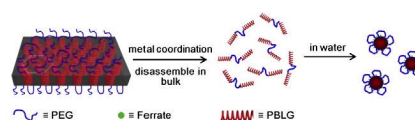
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Meice Wang^{a,b}, Dawei Fang^a, Nannan Wang^a, Shan Jiang^b, Jun Nie^a, Qiang Yu^b, Guiping Ma^{a,*}^a State Key Laboratory of Chemical Resource Engineering, Beijing Laboratory of Biomedical Materials, Beijing University of Chemical Technology, Beijing 100029, PR China^b School of Materials Science and Engineering, Changzhou University, Changzhou, Jiangsu 213164, PR China**Swelling-induced surface instability of a hydrogen-bonded LBL film and its self-healing**

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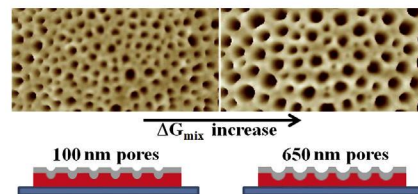
Qiuyan Han^a, Chong Li^a, Ying Guan^a, X.X. Zhu^b, Yongjun Zhang^{a,*}^a State Key Laboratory of Medicinal Chemical Biology and Key Laboratory of Functional Polymer Materials, Institute of Polymer Chemistry, College of Chemistry, Nankai University, and Collaborative Innovation Center of Chemical Science and Engineering (Tianjin), Tianjin 300071, China^b Department of Chemistry, Université de Montréal, C.P. 6128, Succursale Centre-Ville, Montreal, QC H3C 3J7, Canada**Waterborne redox-active helix-coil-helix triblock metallopolymers: Synthesis, disassembly and electrochemical behaviors**

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Suping Bao^a, Huan Ni^a, Qihua Wu^a, Haiyang Gao^{a,b}, Guodong Liang^{a,b,*}, Fangming Zhu^{a,b}, Qing Wu^{a,b}^a DSAPM Lab, Institute of Polymer Science, School of Chemistry and Chemical Engineering, Sun Yat-Sen University, Guangzhou 510275, China^b PCFM Lab, OFCM Institute, Sun Yat-Sen University, Guangzhou 510275, China

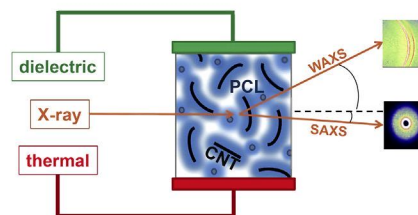
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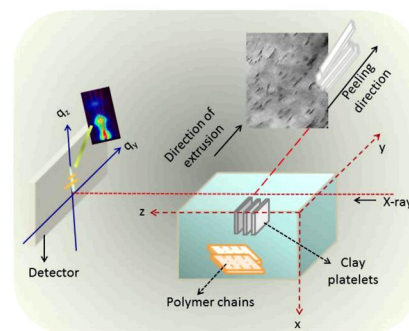
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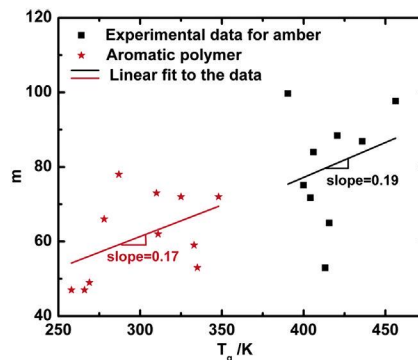
Jayita Bandyopadhyay^a, Suprakas Sinha Ray^{a,b,c,*}, Manfred Scriba^a, James Wesley-Smith^a^a DST/CSIR National Centre for Nanostructured Materials, Council for Scientific and Industrial Research, Pretoria 0001, South Africa^b Department of Chemistry, King Abdulaziz University, Jeddah 21589, Saudi Arabia^c Department of Applied Chemistry, University of Johannesburg, Doornfontein, 2028 Johannesburg, South Africa

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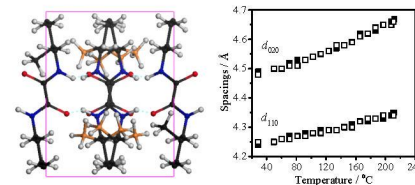
Jing Zhao, Gregory B. McKenna^{*}

Department of Chemical Engineering, Texas Tech University, Lubbock, TX 79409-3121, USA



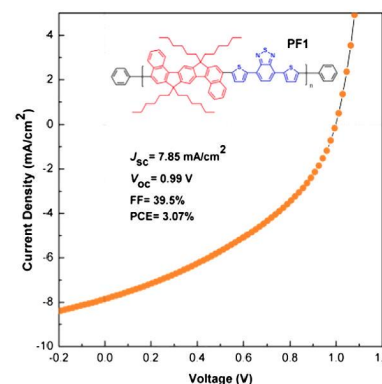
Crystal structure of an aliphatic polyoxamide containing methyl side-groups: Poly(2-methyl-1,8-octamethyleneoxamide)

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Tomoyuki Nakagawa^{a,b,*}, Shuichi Maeda^a, Koji Nozaki^b, Takashi Yamamoto^b^aOrganic Specialty Materials Research Laboratory, Ube Industries, Ltd., Ube, Yamaguchi 755-8633, Japan^bDepartment of Physics, Graduate School of Science and Engineering, Yamaguchi University, Yamaguchi 753-8512, Japan

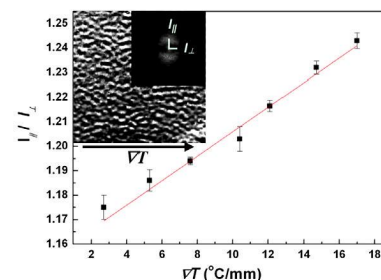
Dinaphtho-s-indacene-based copolymers for inverted organic solar cells with high open-circuit voltages

pp 2262–2270

Wenbin Fan^{a,b}, Zhigang Yin^b, Yunlong Ma^b, Bingxi Wang^{a,*}, Shanci Chen^b, Changquan Tang^b, Qingdong Zheng^{b,*}^aCollege of Materials Science and Engineering, Fuzhou University, Fuzhou 350108, PR China^bState Key Laboratory of Structural Chemistry, Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, Fuzhou 350002, PR ChinaA series of dinaphtho-s-indacene based donor-acceptor copolymers (**PF1**, **PF2**, **PF3** and **PF4**) with deeplying HOMO energy levels were synthesized, and they were used as donor materials to fabricate inverted solar cells. The solar cells based on **PF1** show a PCE of 3.07%, with a high V_{oc} of 0.99 V.

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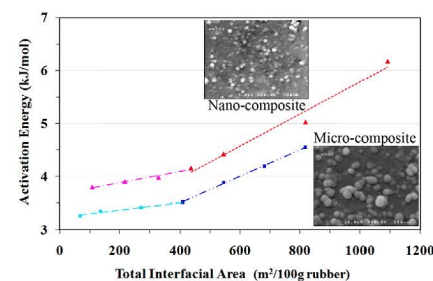
Hua Jiang^{a,b}, Nannan Dou^{a,b}, Guoqiang Fan^c, Xiaohua Zhang^{a,*}, Zhaohui Yang^{a,*}^aCenter for Soft Condensed Matter Physics and Interdisciplinary Research, Soochow University, Suzhou 215006, China^bCollege of Chemistry, Chemical Engineering and Materials Science, Soochow University, Suzhou 215123, China^cSINOPEC Beijing Research Institute of Chemical Industry, Beijing 100013, China

Effect of silica particle size on chain dynamics and frictional properties of styrene butadiene rubber nano and micro composites

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Mohammad-Reza Pourhossaini, Mehdi Razzaghi-Kashani^{*}

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