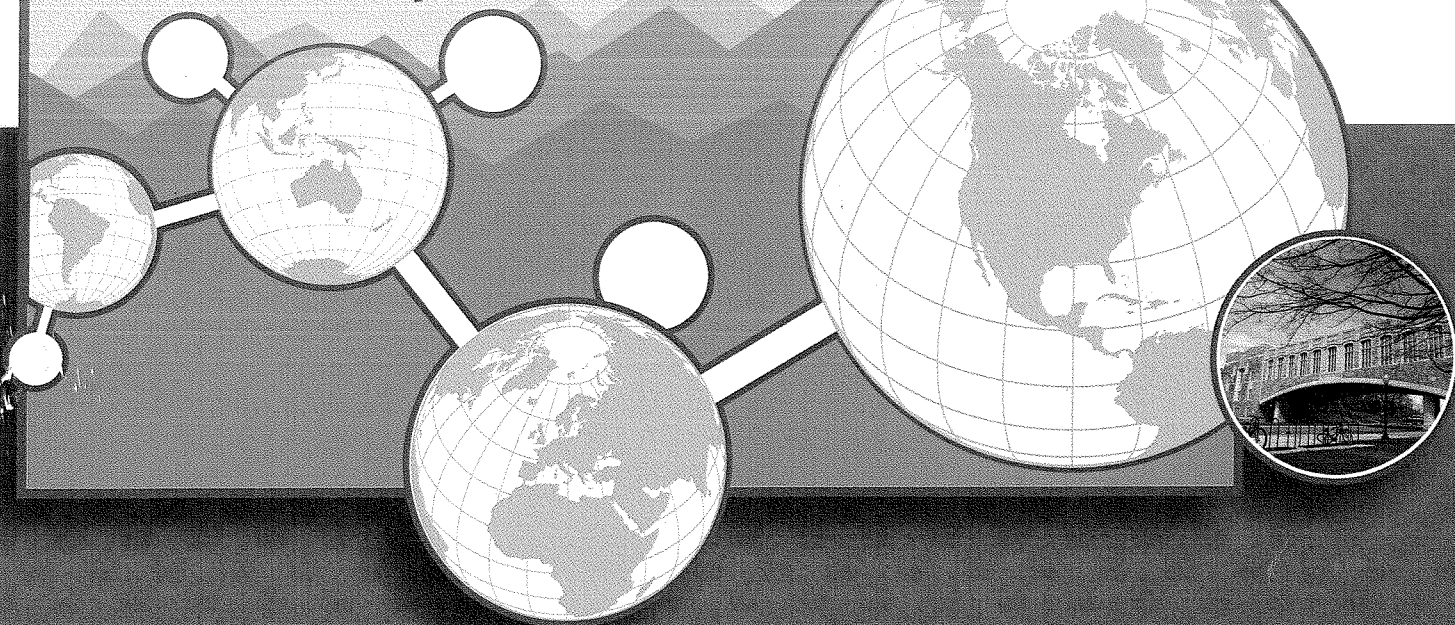




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International Union of Pure and Applied Chemistry

World Polymer Congress
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MACRO2012

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PROGRAM

- M044** Dye doped mesoporous polymers with high laser efficiency and radiation stability. **A. Gumerov**
- M045** Experimental study of the suitability of polymeric coatings as a mitigation strategy for exposed surfaces under icing conditions. **E. Piles Moncholi**, D. W. Hammond
- M046** Phase behavior of hyperbranched polymers. **S. Enders**, P. Schrader, C. Browarzik, D. Browarzik, T. Zeiner
- M047** Highly resilient PEG-based hydrogels. **M. A. Lackey**, J. Cui, A. J. Crosby, G. N. Tew
- M048** Bending induced stress storage in ultrathin polystyrene films. **A. B. Croll**, B. J. Gurmessa
- M049** Click reaction kinetics of end-functional polymers in solution reacting to functional SAMs. **S. Zhang**, J. T. Koberstein
- M050** Decoupling of ionic transport from segmental relaxation in polymer electrolytes. **Y. Wang**, A. L. Agapov, **F. Fan**, K. Hong, X. Yu, J. Mays, A. P. Sokolov
- M051** Significance of segment concept in polymer physics. **Y. Xu**
- M052** Reactive compatibilization of HDPE/PP/PS ternary polymer blend: Rheology and morphology studies. **M. Partovi Meran**, M. Razavi Aghjeh, F. Abbasi, M. Mehrabi Mazidi
- M053** Reactivity of mixtures of epoxy monomers in photoinitiated cationic polymerization. **W. F. Schroeder**, S. V. Asmussen, G. F. Arenas, I. E. dell'Erba, C. I. Vallo
- M054** Design of high inorganic content organic inorganic hybrids based on a fluorinated polymer via combination of sol-gel chemistry and reactive extrusion. **S. Seck**
- M055** Polymer-nanocrystals hybrid solar cells. **H. Wei**, H. Zhang, H. Sun, B. Yang
- M056** Synthesis, characterization and pH-sensory applications of novel organometallic polymers based on fluorene-bridged bis-benzimidazolylidene. **C. Wu**, Y. Lee, Y. Chen
- M057** Synthesis and characterization of poly(triphenylamine)s with electron-withdrawing trifluoromethyl side groups. **T. Yoon**, G. Kim
- M058** Characterization of the chain-ends and branching structures in polyvinylidene fluoride with multidimensional NMR. **E. B. Twum**, C. Gao, X. Li, E. F. McCord, P. A. Fox, D. F. Lyons, P. L. Rinaldi
- M059** Multifunctional drug delivery carrier with glycyrrhetic acid-mediated liver targeting and pH-sensitive properties. **Z. Yuan**, H. Guo, C. Zhang, W. Wang
- M060** Polyacrylamide hydrogels as current sources. **A. T. Uzumcu**, A. Gelir, Y. Yilmaz
- M061** Low density polyethylene co-polymerization model studies. **D. Thompson**, B. Inci, K. Wagener
- M062** Analysis of poly(lactic-co-glycolic acid) repeating sequence copolymers. **R. M. Weiss**, J. Li, H. H. Liu, H. J. Kim, B. Godugu, T. Y. Meyer
- M063** Sequence effects on the electronic and optical properties of conjugated oligomers? **S. Zhang**, B. N. Norris, C. M. Campbell, J. T. Auletta, P. Calvo-Marzal, G. R. Hutchison, T. Y. Meyer
- M064** Thermomechanical and morphological properties of random copolymers containing phosphonium ionic liquids. **A. Schultz**, T. E. Long
- M065** Synthesis of amino and amidopullulan esters for drug delivery. **J. Pereira**, K. J. Edgar
- M066** Cooperative effect observed in separation of oligolysine in ion-pairing chromatography using heptafluorobutyric acid. **W. Xie**, X. Qin, I. Teraoka, R. A. Gross
- M067** Photopolymerised microcellular polyesters from high internal phase emulsions. **M. Sušec**, S. C. Ligon, R. Liska, P. Krajnc
- M068** Post-fabrication biofunctionalization of tissue engineering nanofiber constructs via strain-promoted cycloaddition. **J. Zheng**, K. Liu, D. H. Reneker, M. L. Becker
- M069** Investigation on short chain branches of HDPE: Integrated application of DSC and SSA. **R. Li**, **J. Yi**
- M070** Double "click" reaction towards ligand decorated micelles: Synthetic and biophysical aspects. **M. A. Quadir**, X. Zhao, P. T. Hammond
- M071** Lignocellulose DMA in ionic liquids. **M. Tasooji**, C. Frazier
- M072** Synthesis of low band gap semiconducting polymer and nanostructures for organic electronic applications. **J. Zhou**, X. Liu, X. Gong, M. L. Becker
- M073** Polymer-aptamer conjugates for selective cytotoxicity. **M. D. Schultz**, S. Casiz, W. Tan, K. B. Wagener
- M074** Effect of peptide GYIGSRG modified alginate on angiogenesis in vitro and in vivo. **W. Wang**, L. Guo, Z. Yuan
- M075** Polymer solar cells with a low temperature-annealed sol-gel-derived MoO_x film as a hole extraction layer. **T. Yang**
- M076** Synthesis and application of photoluminescent graphene quantum dots. **S. Zhu**, J. Zhang, B. Yang
- M077** Synthesis and characterization of dye-labeled carboxylic acid coated silica nanoparticles for drug delivery applications. **L. Wang**, B. M. Cash, Y. Chen, A. W. Decho, B. C. Benicewicz
- M078** Determination of the interaction between glimepiride and hyperbranched polymers in solid dispersions. **D. Pahovnik**, S. Reven, J. Grdadolnik, **E. Žagar**
- M079** Large molecular weight carboxylate containing norbornene and norbornane polymers via ring-opening metathesis polymerization. **S. E. Stidham**, B. H. Weinberg, M. W. Grinstaff
- M080** Study on the structure and photo-catalytic activity of ilolite supported polythiophene/titanium dioxide composite photocatalyst synthesized by photo-initiated polymerization. **S. Xu**
- M081** Hyperbranched glycopolymers as chromatographic selectors for the separation of bioactive molecules. **S. Tripp**, N. Polikarpov, D. Appelhans, E. Bessonova, L. Kartsova, B. Voit
- M082** Separation of different nucleation sites in polymer-carbon nanotubes composites by means of fast scanning calorimetry. **E. Zhuravlev**, C. Schick
- M083** Mechanistic study of tunable 3D superhydrophobic electrospun meshes as drug delivery devices. **S. T. Yohe**, Y. L. Colson, M. W. Grinstaff
- M084** Photopolymerization and thermal degradation of UV-curable flame retardant resins studied by photo-DSC and DP-MS. **Q. Wang**, W. Shi
- M085** Viscoelastic properties of water suspensions of polymer nanofibers synthesized via RAFT-mediated emulsion polymerization. **W. Zhang**, B. Charleux, P. Cassagnau
- M086** Investigation of the mechanism of TBAF hydrolysis of cellulose esters. **X. Zheng**
- M087** Green polymer chemistry: Crotonation of poly(ethylene glycol)s using enzyme catalysis under solventless conditions. **K. Seo**, M. Castano, M. Casiano, C. Wesdemiotis, J. E. Puskas
- M088** Explorations of metal chelation, polyplex size and diffusion, and DNA binding in polymeric theranostics. **X. Wang**, S. S. Kelkar, T. M. Reineke, L. A. Madsen
- M089** Applying ethyl cellulose matrix for encapsulating the drug piroxicam. **L. Delmônego**, A. C. Rosa, V. Buzzi, **D. A. Silva**
- M090** Gene delivery via functionalized poly(ethylene imine)-DNA polyplexes. **A. Srungavarapu**, R. P. Doyle, S. Granados-Focil
- M091** Polyaniline containing composites for antioxidant applications. **A. V. Nand**, S. Ray, J. Travas-Sejdic, P. A. Kilmartin, **J. Jin**
- M092** Vinyl-substituted poly(p-phenylene vinylenes) via the gilch route. **N. Vilbrandt**, M. Rehahn