Polymer Chemistry

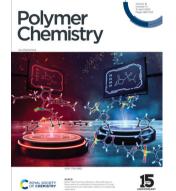
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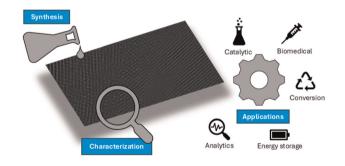
See Brian Hale Northrop, Benjamin Ross Elling et al., pp. 1653-1658.

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MINIREVIEW

Polymer-templated films of ordered mesoporous carbon: preparation, characterization and applications

Martina Huber, Patricia Sonnenberg and Stefan Naumann*

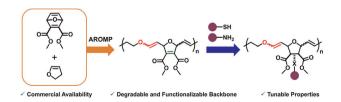


COMMUNICATION

1647

Towards degradable and functionalizable polymers: alternating ring-opening metathesis copolymerization of oxanorbornadiene dicarboxylate and 2,3-dihydrofuran

Tarek Ibrahim, Kaia Kendzulak, Syrena Carver, Tamara Perez and Hao Sun*





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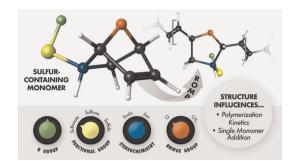


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Ring-opening metathesis polymerization of (oxa) norbornenes with sulfonate, sulfone, and sulfoxide sidechains

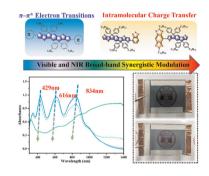
Oliver Paul Clarke, Abdulrahman Bashir, Sophie Wazlowski, Sara Ptaszynska, Brian Hale Northrop* and Benjamin Ross Elling*



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Developing conjugated polymers with broad-band absorption covering visible and near-infrared regions for electrochromism

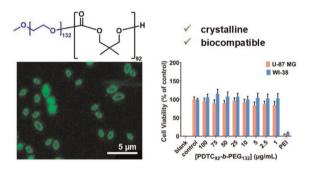
Guoqiang Kuang, Hongbin Yin, Chenming Li, Yijie Tao,* Yafei Guo* and Shiguo Zhang*



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Biocompatible two-dimensional platelets with tunable sizes from polycarbonate-based block copolymers

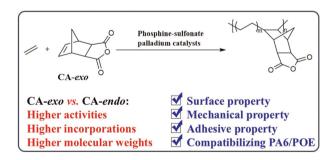
Chuangi Zhao, Hannah Schnicke, J. Diego Garcia-Hernandez, Jiandong Cai, Yifan Zhang, Charlotte E. Boott* and Ian Manners



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Investigation of exo- and endo-isomers of 5-norbornene-2,3-dicarboxylic anhydride in ethylene copolymerization

Chuncai Zhao, Nan Nie, Wenmin Pang, Dan Peng* and Menghe Xu*



PAPERS

Monomers A2 B2 Flexible Block Flexible Block Flexible Block CP, MPEG, CP, MPEG, CP, MPEG,

Synthesis and crystallization-driven self-assembly of triblock copolymers based on narrowly distributed α,ω -bifunctionalized conjugated polymers

Donglai Tian, Bin Huang, Huanghao Pan, Yanchen Deng, Guiyou Wang* and Aiguo Hu*

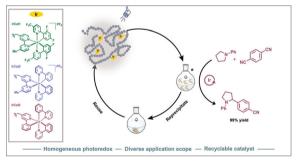
PLAA O PL

Homopolymer LCST-type cloud point temperature (T_{cp}, °C)

Thermoresponsive lactate amide acrylic polymers developed from PLA bags

Marc Palà, Alina Ismagilova, Adrian Moreno, Jorge Plaza, Juan C. Ronda, Marina Galià, Lauri Vares and Gerard Lligadas*

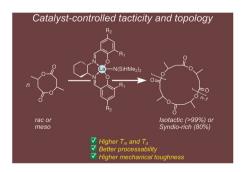
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Recyclable iridium-containing copolymers for homogeneous photoredox catalysis

Shweta Gaikwad, Argha Bhattacharjee, Stanley Baldwin, Steven Huss, Anna Griggs, Michael Spicuzza and Elizabeth Elacqua*

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Stereoregular cyclic poly(3-hydroxybutyrate) enabled by catalyst-controlled tacticity and topology

Celine R. Parker, Zhen Zhang, Ethan C. Quinn, Liam T. Reilly and Eugene Y.-X. Chen*