

Polymer Chemistry

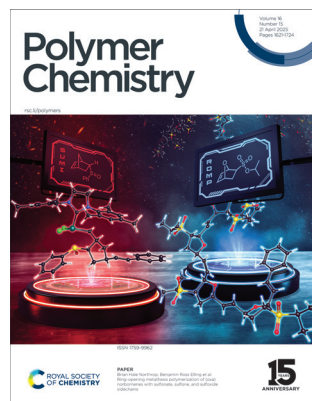
The home for the most innovative and exciting polymer chemistry, with an emphasis on polymer synthesis and applications thereof

rsc.li/polymers

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

ISSN 1759-9962 CODEN PCOHC2 16(15) 1621-1724 (2025)



Cover

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

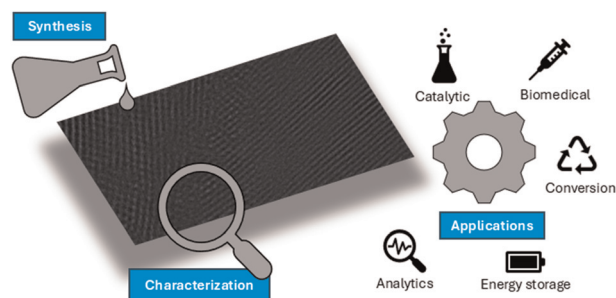
Image reproduced by permission of Benjamin Ross Elling from *Polym. Chem.*, 2025, **16**, 1653.

MINIREVIEW

1627

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

Martina Huber, Patricia Sonnenberg and Stefan Naumann*

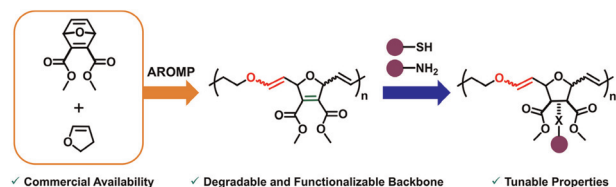


COMMUNICATION

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*



Royal Society of Chemistry approved training courses

Explore your options.
Develop your skills.
Discover learning
that suits you.

**Courses in the classroom,
the lab, or online**

Find something for every
stage of your professional
development. Search our
database by:

- subject area
- location
- event type
- skill level

Members **get at least 10% off**

Visit [rsc.li/cpd-training](https://www.rsc.li/cpd-training)



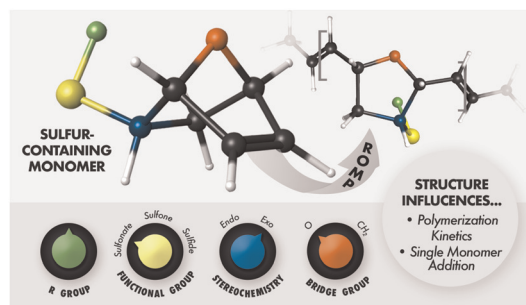
**SAVE
10%**

PAPERS

1653

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

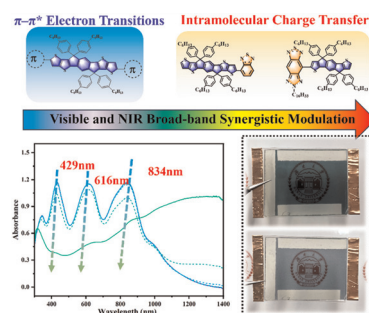
Oliver Paul Clarke, Abdulrahman Bashir, Sophie Wazlowski, Sara Ptaszynska, Brian Hale Northrop* and Benjamin Ross Elling*



1659

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

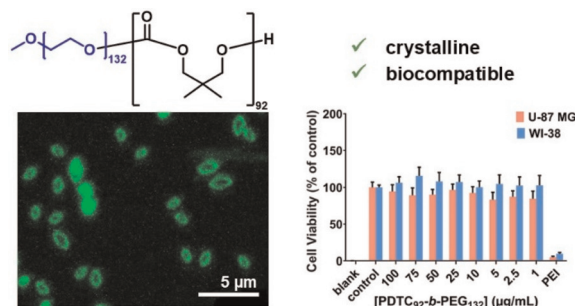
Guoqiang Kuang, Hongbin Yin, Chenming Li, Yijie Tao,* Yafei Guo* and Shiguo Zhang*



1669

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

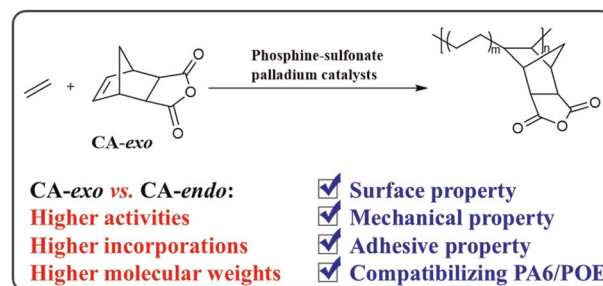
Chuanqi Zhao, Hannah Schnicke, J. Diego Garcia-Hernandez, Jiandong Cai, Yifan Zhang, Charlotte E. Boott* and Ian Manners



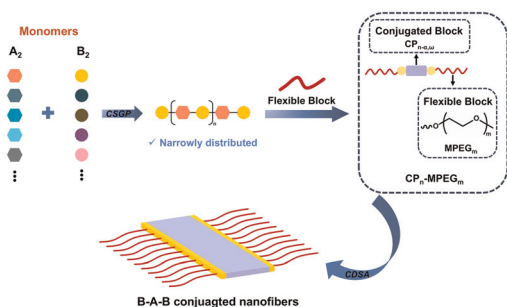
1680

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

Chuncaizhao, Nan Nie, Wenmin Pang, Dan Peng* and Menghe Xu*



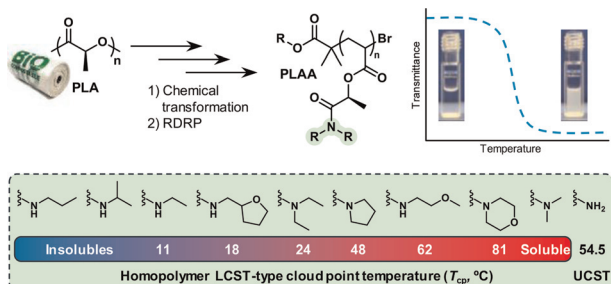
1685



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*

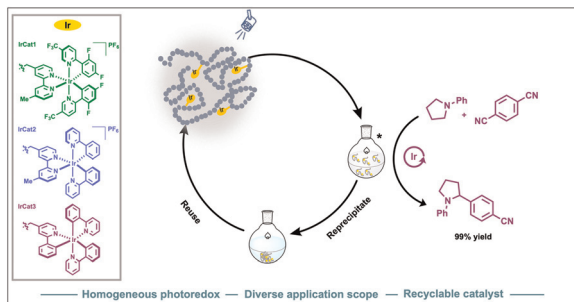
1692



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*

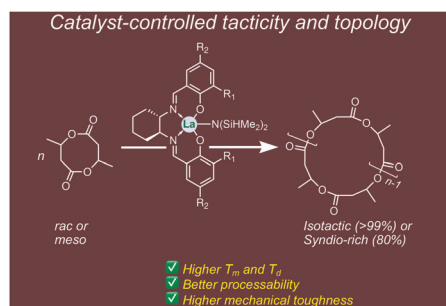
1704



Recyclable iridium-containing copolymers for homogeneous photoredox catalysis

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

1713



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*

