

# Polymer Chemistry

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## IN THIS ISSUE

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### Cover

See Bert Klumperman et al.,  
pp. 1019–1023.

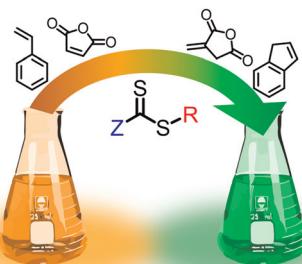
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Michael-Phillip Smith from  
*Polym. Chem.*, 2025, **16**, 1019.  
Acknowledgment: Artwork by  
Michael-Phillip Smith and  
Nikki Smith.

## COMMUNICATIONS

1019

### Bioderived copolymer alternatives to poly(styrene-co-maleic anhydride) via RAFT-mediated copolymerization

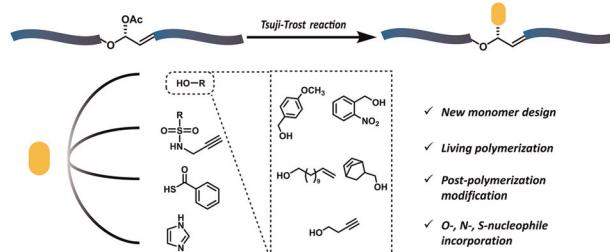
Lauren Elaine Ball, Michael-Phillip Smith and  
Bert Klumperman\*



1024

### Living cascade enyne metathesis polymerization of an allylic acetate monomer and post-polymerization modification via a Tsuji–Trost reaction

Zhixiong Luo, Yuhuai Tian, Bixia Xie and Liangbing Fu\*



# Environmental Science: Atmospheres



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ACCESS

## Connecting communities and inspiring new ideas

[rsc.li/submittoEA](http://rsc.li/submittoEA)

Fundamental questions  
Elemental answers

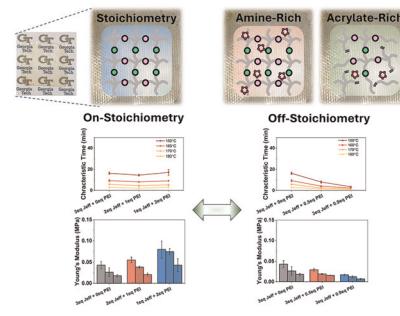


## PAPERS

1031

## Stoichiometric effects on bulk stress relaxation to enhance reprocessability in covalent adaptable networks

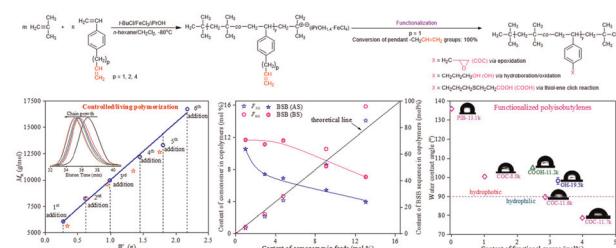
Jaehyun Cho, Santanu Ghosh, Mridula Nandi, Heejoon Jeon, Liang Yue, H. Jerry Qi, M. G. Finn and Blair Brettmann\*



1044

## Highly efficient synthesis of random isobutylene/alkenyl styrene copolymers with pendant vinyl groups via cationic polymerization for versatile functionalization

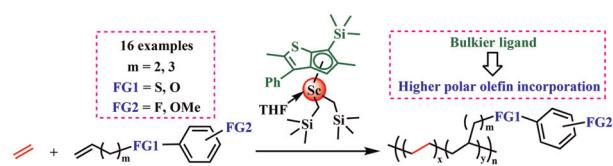
He-Ying Wang, Feng-Yu Zhang, Si-Hao Li, Zi-Yang Song, Yang Wang and Yi-Xian Wu\*



1057

## Direct synthesis of polyethylene containing two kinds of heteroatoms by scandium complexes

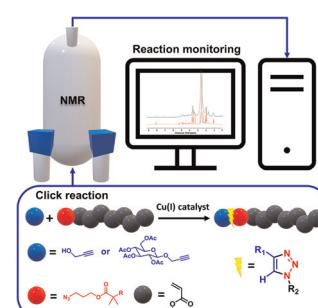
Hui Tian, Yifan Wang, Chunji Wu, Xiaohui Kang\* and Baoli Wang\*



1065

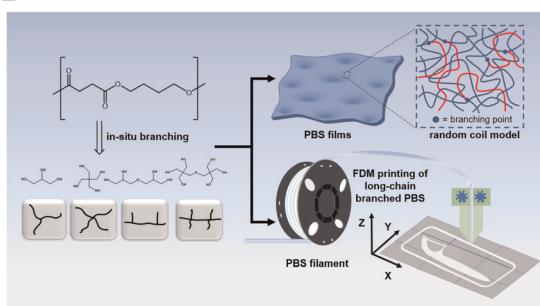
## Optimisation of azide–alkyne click reactions of polyacrylates using online monitoring and flow chemistry

Despina Coursari, Spyridon Efstathiou, Lucas Al-Shok, Mia D. Hall, Ahmed M. Eissa, Evelina Liarou and David M. Haddleton\*



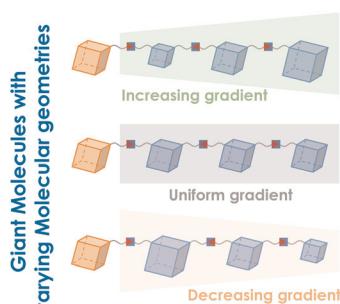
## PAPERS

1072

**Poly(butylene succinate) filaments for fused deposition modelling (FDM) 3D-printing**

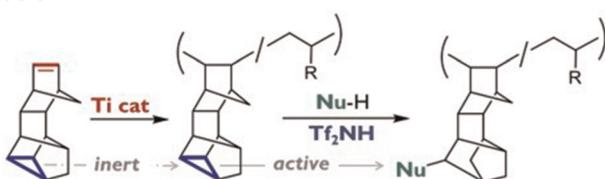
Yong Chen, Jielin Xu, Ye Chen, Chaosheng Wang,\* Huaping Wang and Jing Wu\*

1085

**Giant molecules with varying geometric features by programming the unit sequence**

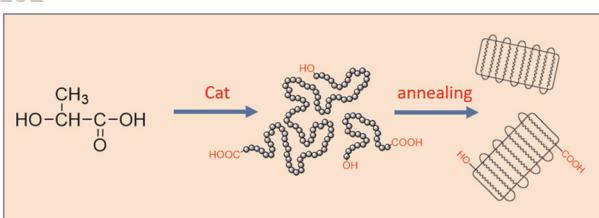
Ze Yang, Zhongguo Liu, Shuai Wang, Gang Li\* and Xue-Hui Dong\*

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✓ **Chemoselective and Controlled Polymerization**✓ **Functionalized COCs (7 examples)****Functionalized cyclic olefin copolymers: chemoselective polymerization of a cyclopropane-containing norbornadiene dimer using a titanium catalyst and post-polymerization modification**

Yusuke Iwata, Takeshi Shiono and Shin-ichi Matsuoka\*

1102

**Polycondensation of L-lactic acid: a deeper look into solid state polycondensation**

Hans R. Kricheldorf,\* Steffen M. Weidner and Felix Scheliga

