

# Polymer Chemistry

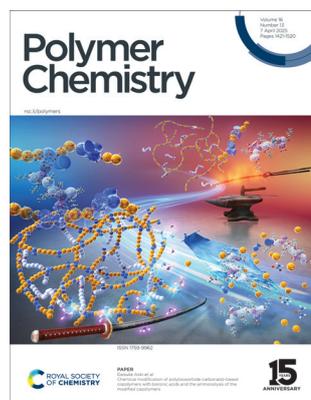
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## IN THIS ISSUE

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### Cover

See Daisuke Aoki *et al.*,  
pp. 1448–1457.

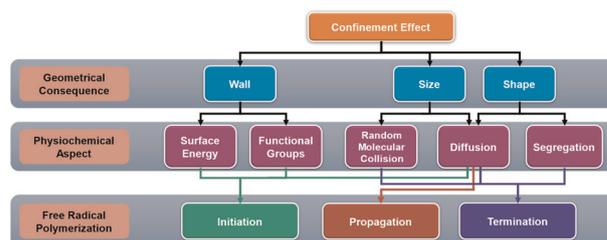
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from *Polym. Chem.*, 2025,  
**16**, 1448.

## PERSPECTIVE

1427

### Nanoconfined polymerization: advantages of lyotropic liquid crystals as soft templates

Seyed Mostafa Tabatabaei and Reza Foudazi\*

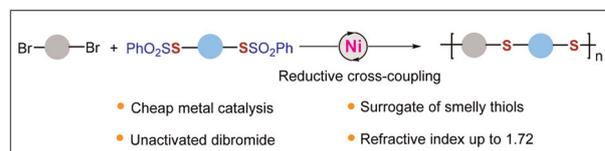


## COMMUNICATION

1441

### Nickel-catalyzed reductive cross-coupling polymerization of dithiosulfonates and dibromides for the synthesis of polythioethers

Xin Yi, Hao Zeng, Chunyu Chen, Ziwei Luo, Ningyu Li, Junyang Cen, Yuening Pan, Ze Li and Pinglu Zhang\*



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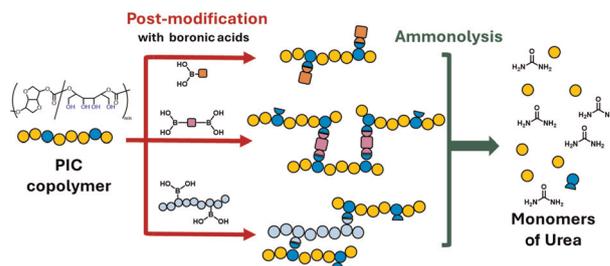


**SAVE  
10%**

1448

### Chemical modification of poly(isosorbide carbonate)-based copolymers with boronic acids and the ammonolysis of the modified copolymers

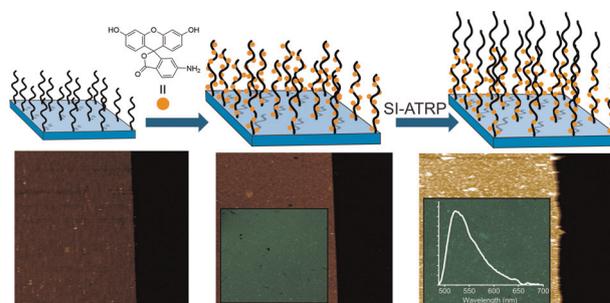
Kazuaki Rikiyama, Akari Matsunami, Shunsuke Fujimata, Tatsuo Taniguchi and Daisuke Aoki\*



1458

### Fluorescent surface-grafted block copolymer brushes obtained in a versatile post-polymerization approach

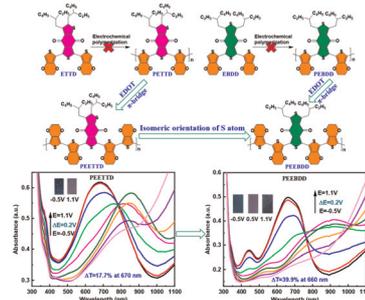
Piotr Wieczorek, Tomasz Kuciel, Tomasz Uchacz\* and Szczepan Zapotoczny\*



1469

### Isomeric orientation of the S atom in thiophene of benzodithiophene-4,8-dione to achieve a high-performance electrochromic polymer

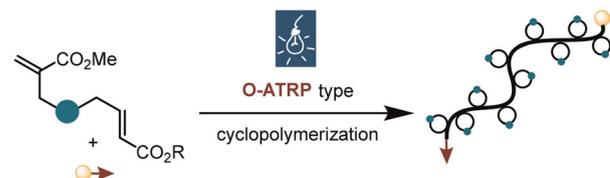
Pengjie Chao,\* Qicheng Su, Yuqing Liao, Daize Mo,\* Dongling Shen, Yizhong Shi and Lanqing Li\*



1478

### Organocatalyzed photoredox radical cyclopolymerization of methacrylate- and acrylamide-crotonate hybrid monomers

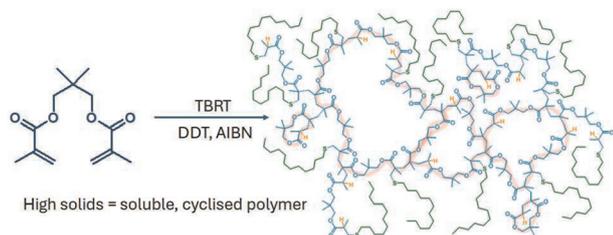
Gaoyuan Yu, Yong-Le Tian, Ke Li and Dian-Feng Chen\*



- ◆ No crosslinking
- ◆ High cyclization rate
- ◆ Tailored structure & topology



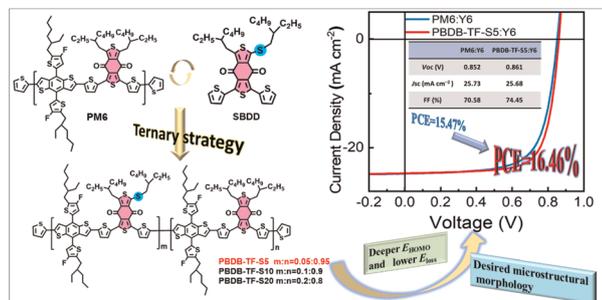
1486



### Geometry-directed cyclisation within the transfer-dominated branching radical telomerisation of dimethacrylates

Corinna Smith, Oliver B. Penrhyn-Lowe, Samuel Mckeating, Stephen Wright, Andrew B. Dwyer and Steve P. Rannard\*

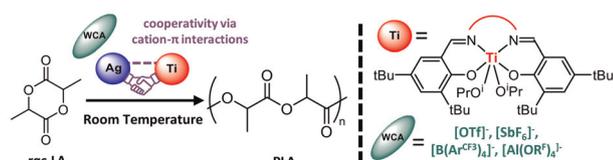
1493



### An alkylthio side chain tuned the PM6 structure and elevated photovoltaic performance of ternary donor polymers

Pengzhi Guo,\* Jinye He, Junhong Liang, Tiantian Wang, Mingruo Li, Jianhong Wei, Wentao Miao, Zezhou Liang, Yuan Zhou, Junfeng Tong, Xunchang Wang, Chenglong Wang and Yangjun Xia\*

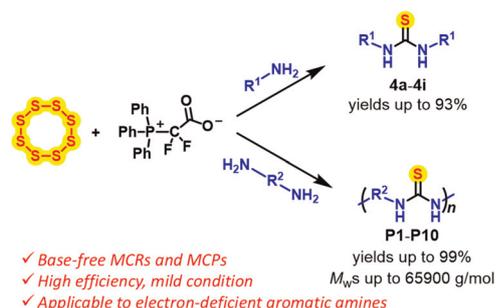
1503



### A pinch of silver salt to enable *rac*-lactide ring-opening polymerisation at room temperature using Ti-salen complexes

Justin Koh, Chloe A. Baker, Marianna N. Diamantakis, Nicholas J. Long\* and Charles Romain\*

1509



### The base-free multicomponent polymerization of elemental sulfur, difluoromethylene phosphobetaine and amines toward electron-deficient aromatic polythioureas

Yongjiang Yu, Wang Chen, Rongrong Hu\* and Ben Zhong Tang

