

# Polymer Chemistry

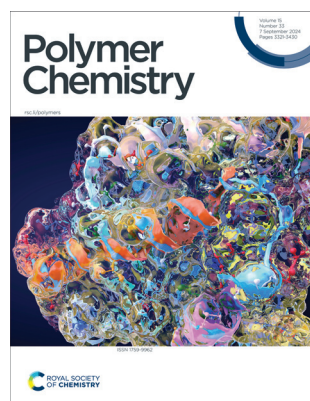
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## IN THIS ISSUE

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Cover

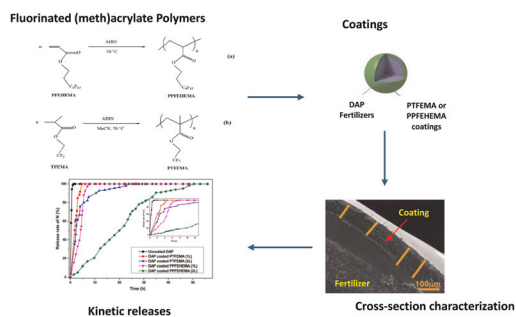
Image credit: © Christoph Burgstedt/SPL/Getty Images

## PAPERS

3327

### Insights into hydrophobic (meth)acrylate polymers as coating for slow-release fertilizers to reduce nutrient leaching

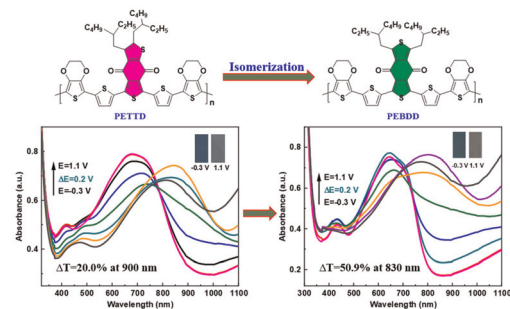
Asma Sofyane, Salima Atlas, Mohammed Lahcini, Elvira Vidović, Bruno Ameduri\* and Mustapha Raihane\*



3341

### An isomerism strategy to optimize electrochromic performance: a small orientation change of S atoms in thiophene makes a big difference

Pengjie Chao,\* Qicheng Su, Daize Mo\* and Lanqing Li



# ChemComm

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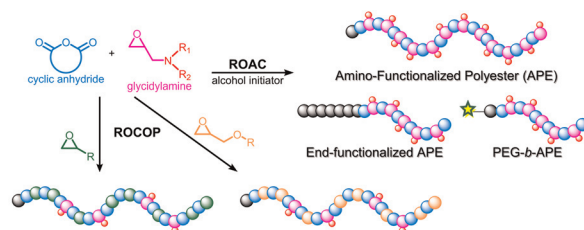
Fundamental questions  
Elemental answers

## PAPERS

3349

### Synthesis of amino-functionalized polyester via ring-opening alternating copolymerization of glycidylamines with cyclic anhydrides

Ryota Suzuki, Tianle Gao, Ayaka Sumi, Takuya Yamamoto, Kenji Tajima, Feng Li, Takuya Isono\* and Toshifumi Satoh\*

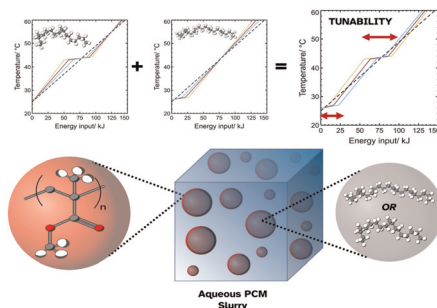


✓ High-density amino-functionalized polyester (APE) ✓ Controlled/living polymerization  
 ✓ Block copolymerization ✓ End-functionalization ✓ Wide range of monomer variation

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### Phase change material nanocapsules for latent function thermal fluids with tuneable thermal energy storage profiles

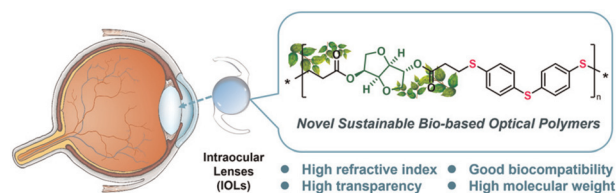
Joshua R. Booth, Joshua D. Davies and Stefan A. F. Bon\*



3378

### Synthesis of novel sustainable optical poly(isosorbide thioethers) with high refractive indices and good biocompatibility using functional ionic liquid catalysts

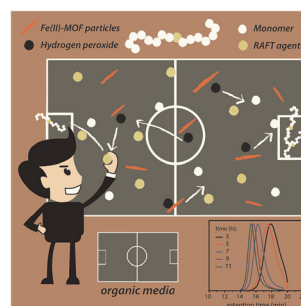
Heng Wang, Weilu Ding, Zhencai Zhang, Yiwen Zhang, Zhao Yang, Mi Feng, Ming Jiang and Fei Xu\*



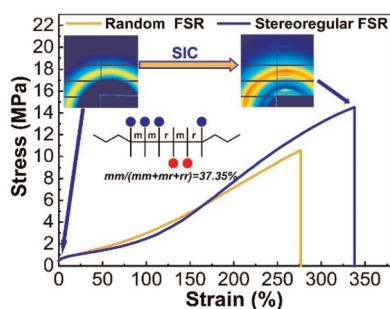
3394

### Fenton-RAFT polymerization in organic media

Amin Reyhani, Ross A. L. Wylie, Arunjunai R. S. Santha Kumar, Alicia Rasines Mazo, Omid Mazaheri, Kathryn A. Mumford and Greg G. Qiao\*



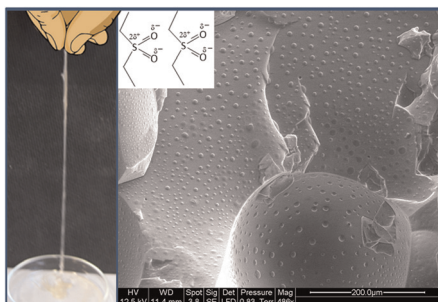
3406



### High-strength fluorosilicone rubber with exceptional shape memory performance obtained through stereochemical structure regulation

Ruirui Shi, Wei Zheng, Yifan Wang, Teng Long, Zhe Liu, Yushu Xu, Hua Wang\* and Chuanjian Zhou\*

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### Syntheses and supramolecular associations of block and grafted phosphonated- and sulfonated-silicone copolymers

Emmanuel Pouget, Erlea Holgado Garcia, Sergei V. Kostjuk, Irina V. Vasilenko, Claire Longuet, Patrice Lucas, Christine Joly-Duhamel and François Ganachaud\*

