

# Polymer Chemistry

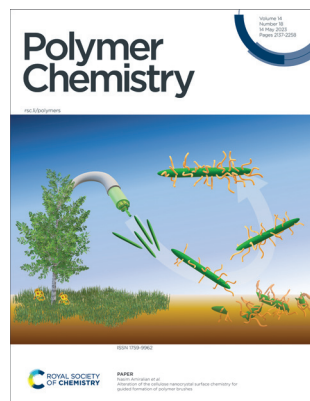
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## IN THIS ISSUE

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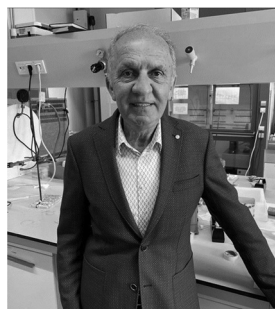
See Nasim Amiralian *et al.*,  
pp. 2164–2173.

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from *Polym. Chem.*,  
2023, **14**, 2164.

## OBITUARY

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*In memoriam* Yusuf Yagci (17 March  
1952–30 January 2023)



## REVIEW

2145

**Photopolymerization shrinkage: strategies for  
reduction, measurement methods and future  
insights**

Monika Topa-Skwarczyńska\* and Joanna Ortyl\*



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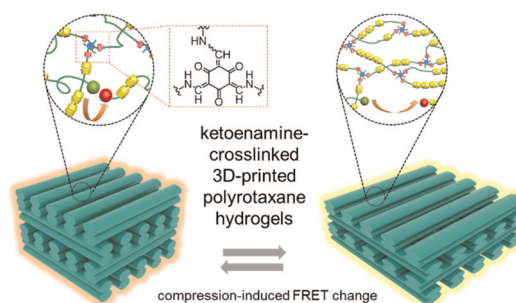


## COMMUNICATION

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### 3D-printed ketoenamine crosslinked polyrotaxane hydrogels and their mechanochromic responsiveness

Dan Zheng, Miao Tang and Chenfeng Ke\*

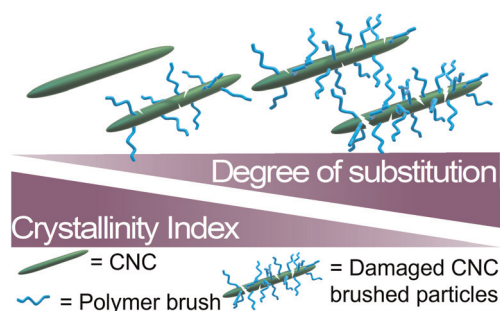


## PAPERS

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### Alteration of the cellulose nanocrystal surface chemistry for guided formation of polymer brushes

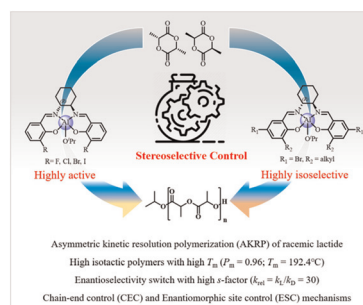
Lauren Geurds, Katarzyna Kępa, Jan Lauko, Alan E. Rowan and Nasim Amiralian\*



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### Exploring ligand substituent effects on stereoselective polymerization of racemic lactide using aluminium salen-type complexes

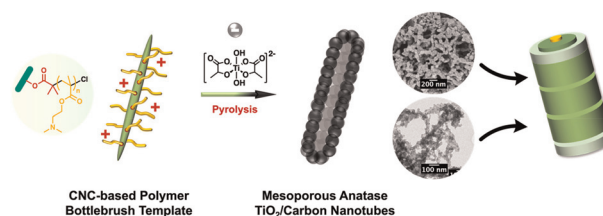
Zengping Peng, Hassan Ahmed, Guangqiang Xu,\* Xuanhua Guo, Rulin Yang, Hongguang Sun\* and Qinggang Wang\*



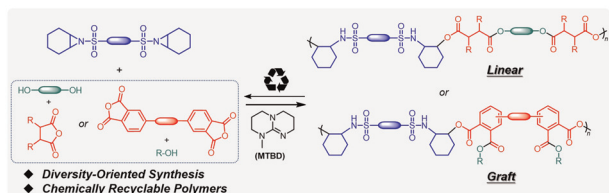
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### Polymer brush-grafted cellulose nanocrystals for the synthesis of porous carbon-coated titania nanocomposites

Yen Theng Cheng, Qingbo Xia, Hongwei Liu, Marcello B. Solomon, Chris D. Ling and Markus Müllner\*



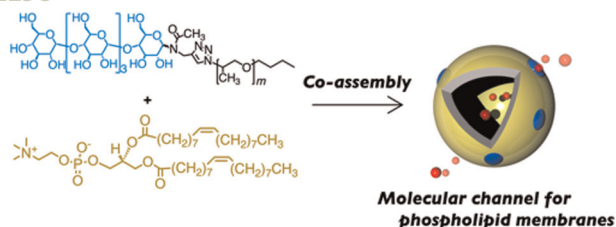
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### Diversity-oriented synthesis of chemically recyclable poly(sulfonamide ester)s through organocatalytic aziridine-based multicomponent polymerization

Songjie Fan, Peng Zhu, Jingtong Ye, Huishan Huang, Zhen Zhang\* and Jinxiang Dong\*

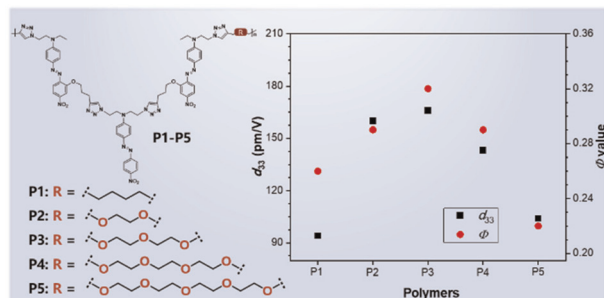
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### Bilayer-domain formation of thermoresponsive amphiphilic block copolymers in hybrid liposomes for synthetic molecular channels

Naoki Ozawa, Shunji Kosaka, Shota Fujii and Tomoki Nishimura\*

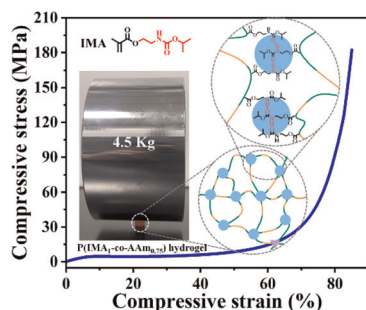
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### Promotion of the second-order nonlinear optical effect by introducing ether linkage into polymer main chains

Kai Wang, Xiaocong Deng, Qianqian Li\* and Zhen Li\*

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### Ultra-stiff and tough hydrogels based on small but strong hydrophobic associations via a low-reactive hydrophilic monomer

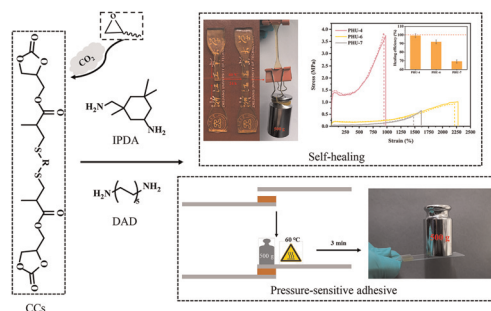
Lei Yang, Shuo Li, Zijian Zhao, Jie Wang, Hongying Lv\* and Xiaoni Yang\*



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### Customized thermoplastic polyhydroxyurethanes synthesized from ene-containing cyclic carbonates, dithiols and diamines: design, mechanical properties and applications in adhesives

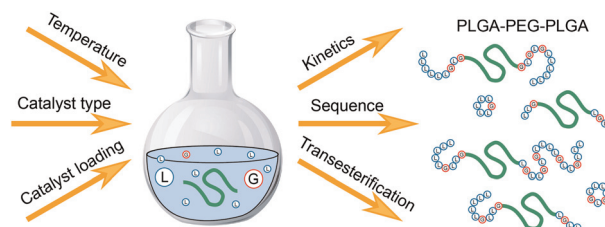
Weikun Xu, Yutong Ding, Shibin You, Cheng Chao, Bozhen Wu\* and Feng Chen\*



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### Influence of polymerisation conditions on the kinetics of poly(lactic-co-glycolic acid)-*b*-poly(ethylene glycol)-*b*-poly(lactic-co-glycolic acid) triblock synthesis and the occurrence of transesterification side reactions

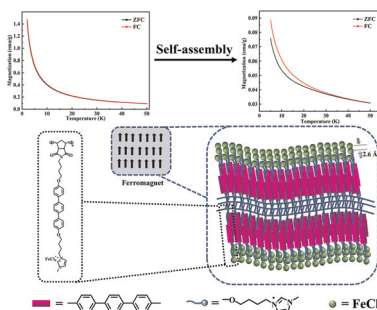
Jie Yan, Paula Facal Marina and Anton Blencowe\*



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### Self-assembly induced ferromagnetic interaction in magnetic polymers with terphenyl linkers

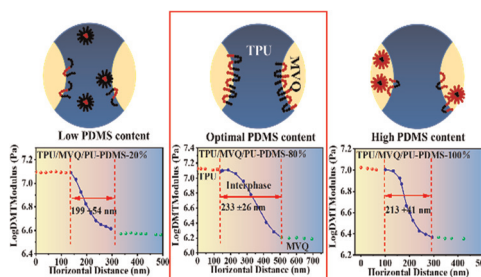
Shengqi Ji, Xiaoyan Yuan, Qianjin Guo and Lixia Ren\*



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### Preparation and compatibility mechanism study of the polyurethane-polysiloxane copolymer with tunable polysiloxane content for TPU/MVQ blends with comfortable texture

Gege Lv, Jing Hu, Xinyue Hao, Nanying Ning, Bing Yu\* and Ming Tian\*



Optimal PDMS content  $\rightarrow$  Maximum interface thickness

