

Polymer Chemistry

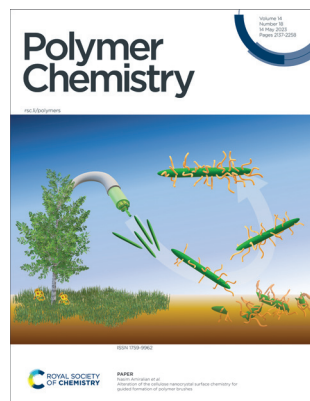
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Cover

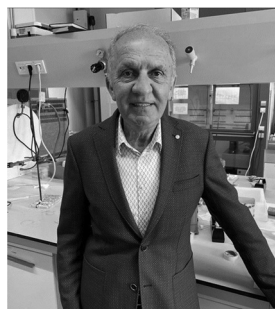
See Nasim Amiralian *et al.*,
pp. 2164–2173.

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Nasim Amiralian
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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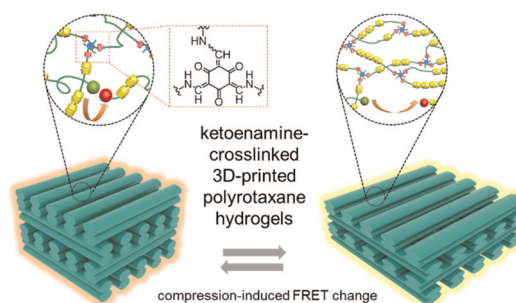


COMMUNICATION

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

Dan Zheng, Miao Tang and Chenfeng Ke*

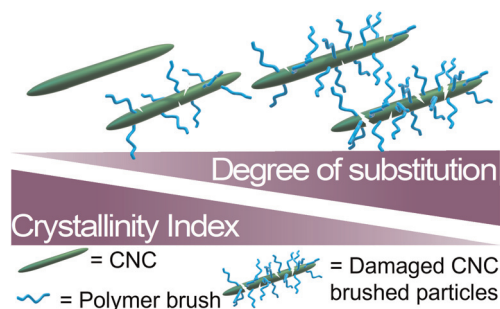


PAPERS

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

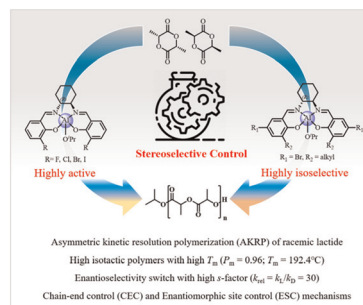
Lauren Geurds, Katarzyna Kępa, Jan Lauko, Alan E. Rowan and Nasim Amiralian*



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

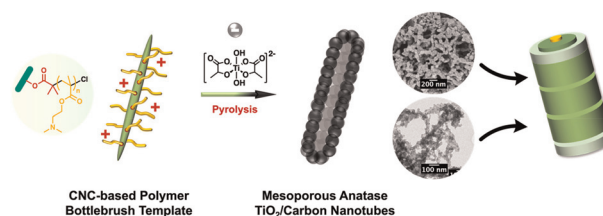
Zengping Peng, Hassan Ahmed, Guangqiang Xu,* Xuanhua Guo, Rulin Yang, Hongguang Sun* and Qinggang Wang*



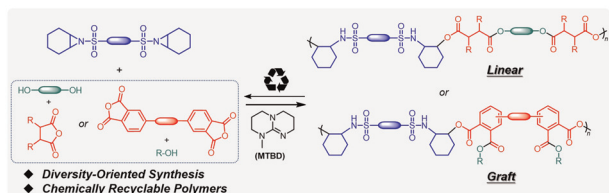
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Polymer brush-grafted cellulose nanocrystals for the synthesis of porous carbon-coated titania nanocomposites

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



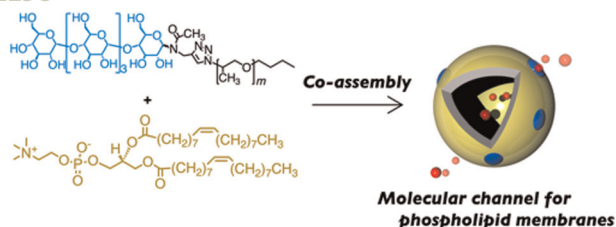
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Diversity-oriented synthesis of chemically recyclable poly(sulfonamide ester)s through organocatalytic aziridine-based multicomponent polymerization

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

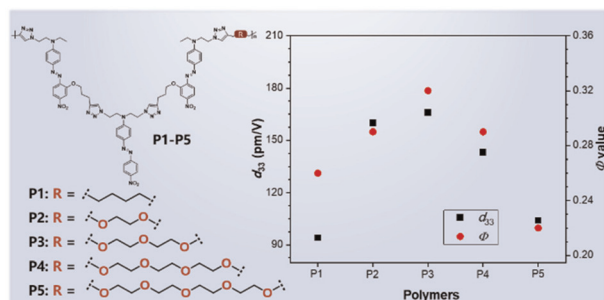
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Bilayer-domain formation of thermoresponsive amphiphilic block copolymers in hybrid liposomes for synthetic molecular channels

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

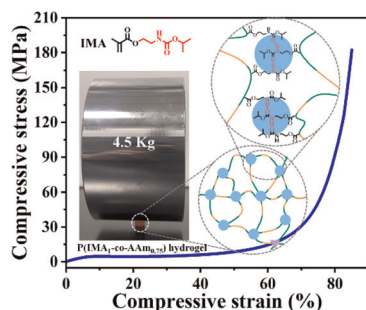
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Promotion of the second-order nonlinear optical effect by introducing ether linkage into polymer main chains

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

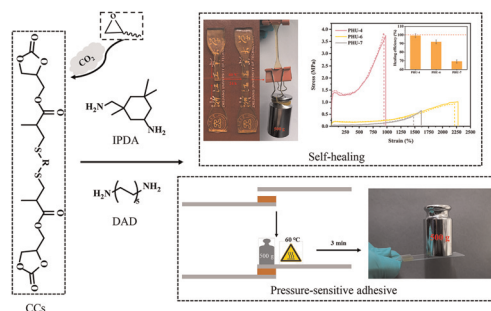
Lei Yang, Shuo Li, Zijian Zhao, Jie Wang, Hongying Lv* and Xiaoni Yang*



2220

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

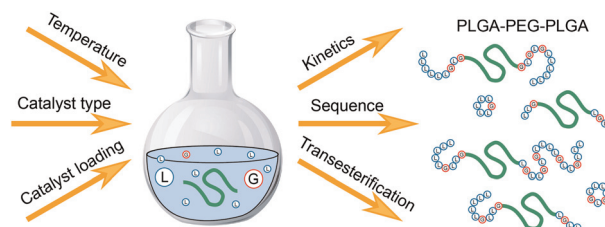
Weikun Xu, Yutong Ding, Shibin You, Cheng Chao, Bozhen Wu* and Feng Chen*



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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

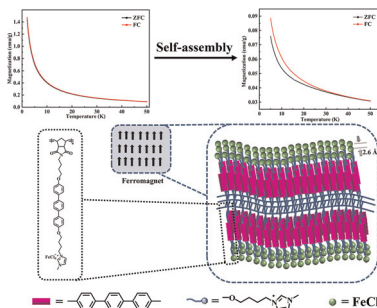
Jie Yan, Paula Facal Marina and Anton Blencowe*



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

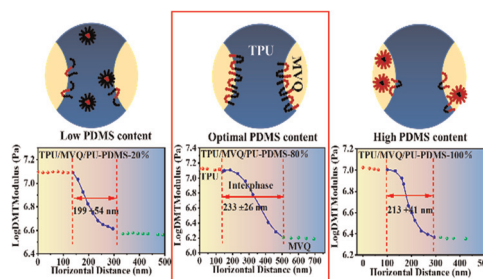
Shengqi Ji, Xiaoyan Yuan, Qianjin Guo and Lixia Ren*



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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 → Maximum interface thickness

