

# Polymer Chemistry

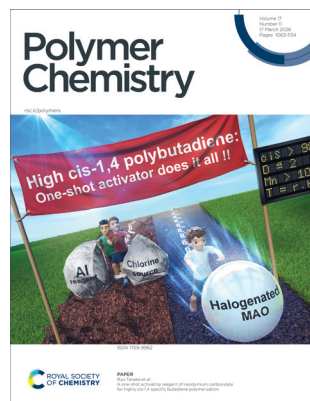
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## IN THIS ISSUE

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### Cover

See Ryo Tanaka et al., pp. 1069–1074.

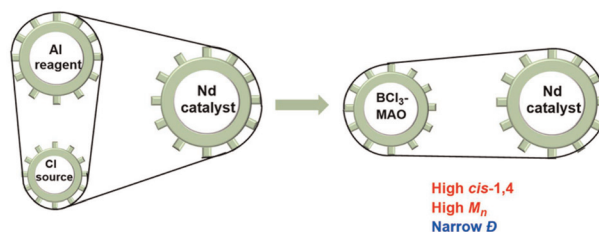
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## PAPERS

1069

### A one-shot activating reagent of neodymium carboxylate for highly *cis*-1,4 specific butadiene polymerization

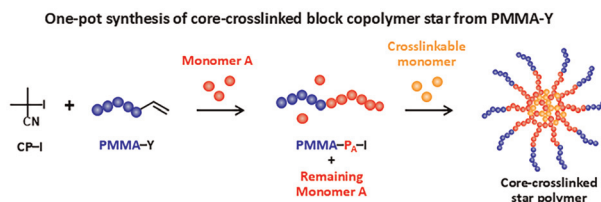
Yu Jia, Toru Wada, Yuushou Nakayama, Takeshi Shiono and Ryo Tanaka\*



1075

### One-pot synthesis of core-crosslinked star polymers from poly(methyl methacrylate) with unsaturated chain ends and encapsulation of UV absorbing molecules

Yichao Zheng, Cheng Wang, Hong Tho Le, Michelle Jia Qi Lua, Hiroshi Niino, Shunsuke Chatani and Atsushi Goto\*



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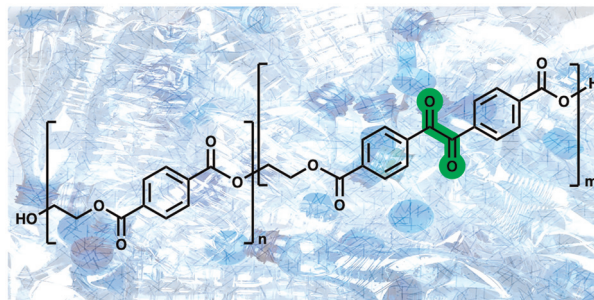
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1084

### Polyesters with inbuilt photolabile units for degradation of PET in the natural environment

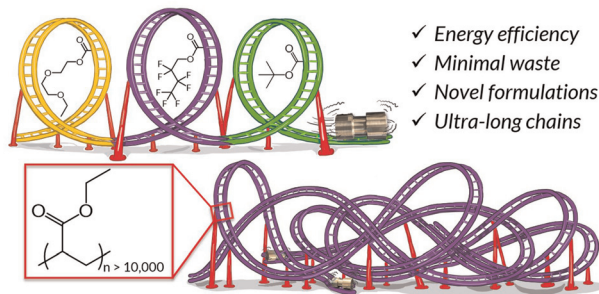
Sami Gesslbauer, Tian Sang, Daniel Dalland, Pimpisa Titipunya, Molly Parry, Christopher Wallis, Sarah K. Y. Ho, Gavin Hill, Giovanni Santagiuliana and George J. P. Britovsek\*



1092

### Pushing the limits of mechanoredox RAFT polymerization methods

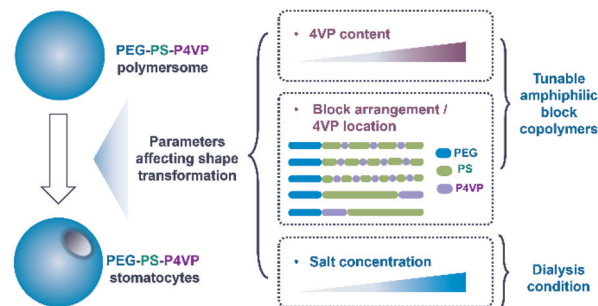
Jason D. Kaff, Mercie N. Hodges, Abdul Moez, Sarah M. Zeitler, Lilo D. Pozzo and Matthew R. Golder\*



1100

### Effect of 4-vinylpyridine incorporation on the shape transformation of poly(ethylene glycol)-*block*-polystyrene polymersomes

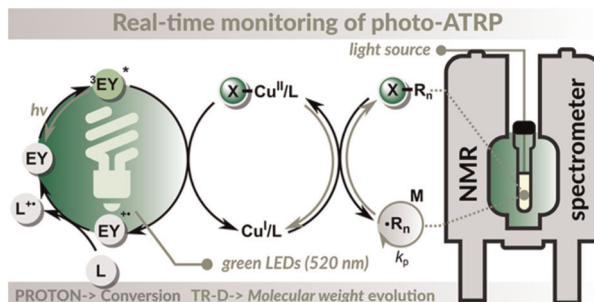
Işıl Yeşil Gür, Duru Ulukan, Jingxin Shao, Yiğitcan Sümbelli, Alexander B. Cook, Johan P. A. Heuts, Jan C. M. van Hest\* and Loai K. E. A. Abdelmohsen\*



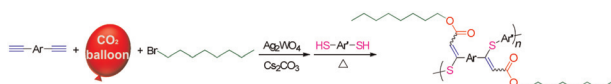
1109

### Real-time monitoring of photoinduced atom transfer radical polymerization by time-resolved diffusion NMR

Marek Czarnota, Martyna Cybularczyk-Cecotka, Franz F. Westermair, Francisco Arrabal Campos, Kriti Kapil, Krzysztof Matyjaszewski, Grzegorz Szczepaniak\* and Mateusz Urbańczyk\*



1116

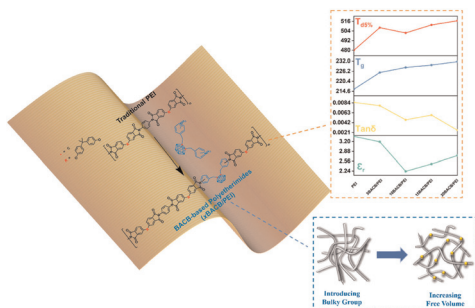


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- ✓ Circularly polarized luminescence
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### Multicomponent tandem polymerization of alkynes, CO<sub>2</sub>, alkyl bromide, and thiol toward functional poly( $\beta$ -thioacrylate)s

Mengchao Zhang, Sifan Li, Zhaohui Zhang and Hongkun Li\*

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### Carborane-modified polyetherimide films for high-temperature dielectric applications

Haotian Xiao, Chongwen Yu, Haochen Guo, Zijie Xu, Xiaoqing Sun, Jian Xu, Yujie Song,\* Xiangsheng Meng, Jingling Yan and Zhen Wang

