

# Polymer Chemistry

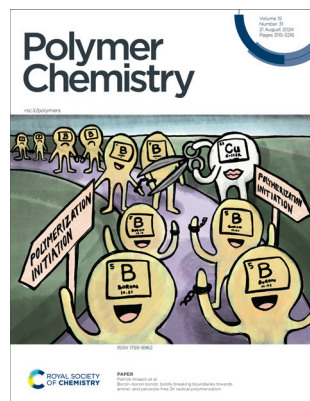
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## IN THIS ISSUE

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### Cover

See Patrick Knaack et al., pp. 3127–3138.

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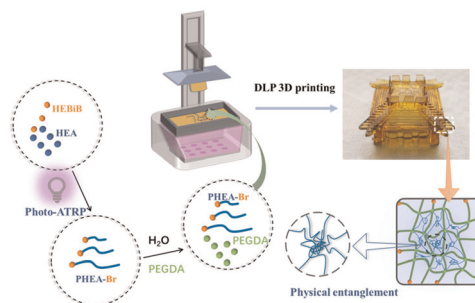
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## COMMUNICATION

3121

### 3D printed hydrogel network regulation based on macroinitiator-induced rapid photoATRP

Menghan Si, Mengjie Zhou, Wenjie Zhang, Ge Shi, Yanjie He, Xiaoguang Qiao,\* Weihua Fan\* and Xinchang Pang\*

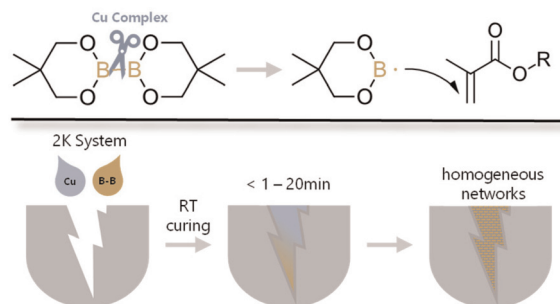


## PAPERS

3127

### Boron–boron bonds: boldly breaking boundaries towards amine- and peroxide-free 2K radical polymerization

Florian Pieringer, Konstantin Knaipp, Robert Liska, Norbert Moszner, Yohann Catel, Georg Gescheidt and Patrick Knaack\*



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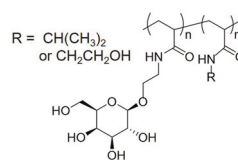


## PAPERS

3139

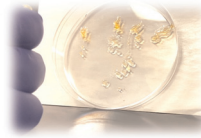
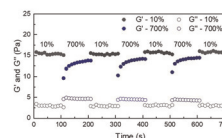
### Sprayable adhesive glycopolymer hydrogels with rapid in-situ gelation

Xianjun Wang, Hannah G. Abernathy, Lisa K. Kemp and Sarah E. Morgan\*



Physical Gel  
large shear-thinning  
instant self-healing

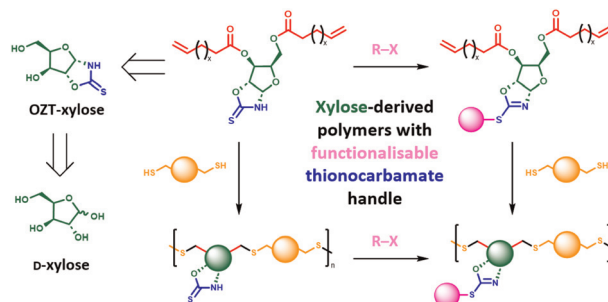
Easy to Spray  
no dripping



3149

### Xylose-derived thionocarbamates as a synthetic handle towards a functional platform of sugar-based polymers

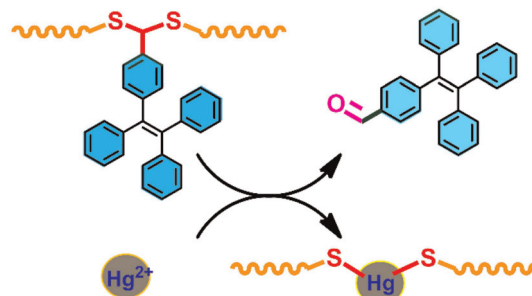
James R. Runge, Bethan Davies and Antoine Buchard\*



3157

### Aggregation-induced emission polydithioacetals with pendant tetraphenylethylene groups for $\text{Hg}^{2+}$ detection and removal

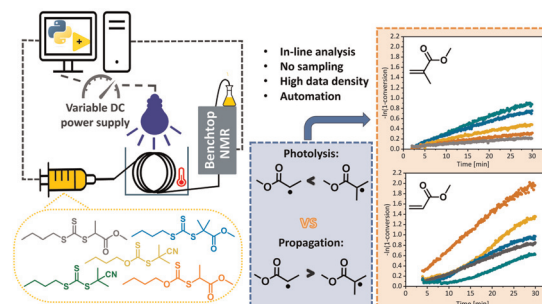
Yu Gu, Jianjian Zhu, Xingyu Yuan, Siyong Li, Zhongxiang Zhao and Yanbing Lu\*



3166

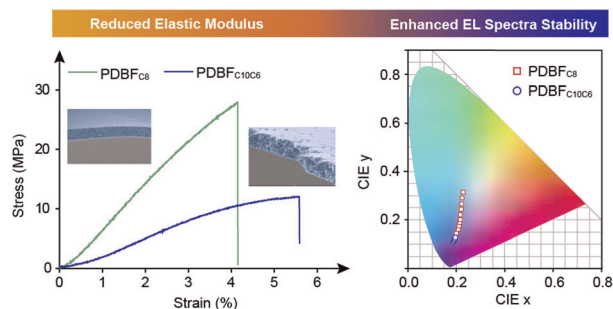
### Kinetic investigation of photoiniferter-RAFT polymerization in continuous flow using inline NMR analysis

Magdalena A. Beres, Bo Zhang, Tanja Junkers\* and Sébastien Perrier\*



## PAPERS

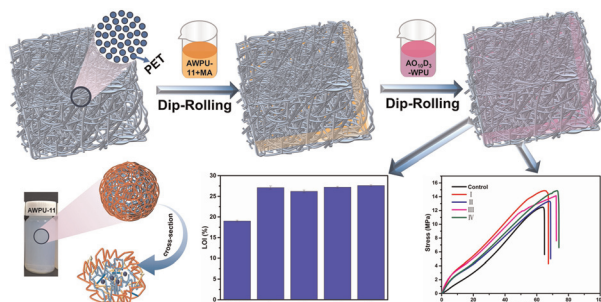
3176



### Blue light-emitting conjugated polymer with low modulus and better EL spectra stability

Huaqiang Gong, Wenxin Huang, Wenyu Chen, Lubing Bai,\* Xinyu Liang, Yingying Zheng, Qingqing Lu, Rui Gao, Yamin Han, Zhiqiang Zhuo, Xiang An, Jinyi Lin\* and Wei Huang

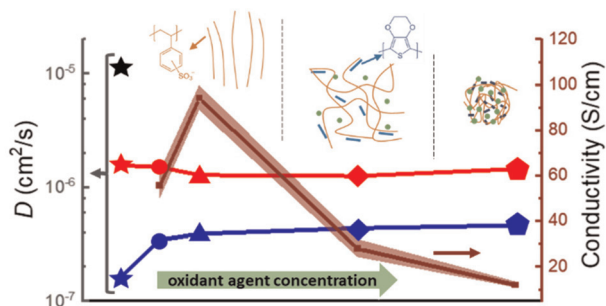
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### Preparation of a flame-retardant waterborne polyurethane with core-shell structure and its application in a fire-resistant microfiber synthetic leather

Yingting Yin, Wei Li, Jinbo Yao\* and Jiarong Niu\*

3195



### Synthesis and polymerization of polyelectrolyte-based conductive inks: the protagonism of the coadjutant oxidizing salt

Germán D. Gómez Higueta, Florian Günther, Bob C. Schroeder and Gregório C. Faria\*

3204



### Anionic polymerization of phenyl-substituted isoprene derivatives: polymerization behaviour and cyclization-enabled fluorescence

Moritz Rauschenbach, Laura Stein, Gregor M. Linden, Ramona Barent, Katja Heinze and Holger Frey\*

