# **Polymer Chemistry**

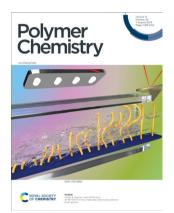
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ISSN 1759-9962 CODEN PCOHC2 14(29) 3319-3414 (2023)



# Cover

See Andriy R. Kuzmyn, Han Zuilhof et al., pp. 3357-3363.

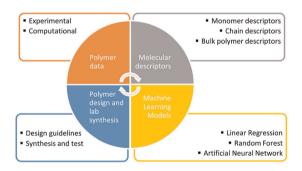
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## **REVIEW**

## 3325

A review on the application of molecular descriptors and machine learning in polymer

Yuankai Zhao, Roger J. Mulder, Shadi Houshyar and Tu C. Le\*

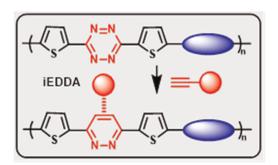


## **COMMUNICATIONS**

# 3347

Post-polymerisation diversification of conjugated polymers by an inverse electron demand Diels-Alder reaction

Zhuang Mao Png, Xiang Yun Debbie Soo, Jun Xiang Damian Liew, Ming Hui Chua, Shanxin Xiong, Qiang Zhu and Jianwei Xu\*



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Polymer Chemistry (electronic: ISSN 1759-9962) is published 48 times a year by the Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge,

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# **COMMUNICATIONS**

## 3352

A scalable and efficient approach to high-fidelity amine functionalized poly(ethylene glycol) derivatives

Xuemei Zhang, Xiaoli Chen, Xiaoging Chen, Shuai Wang, Mengli Wang, Chao Geng, Guoxing Xu\* and Shixue Wang\*



# **PAPERS**

## 3357

SI-PET-RAFT in flow: improved control over polymer brush growth

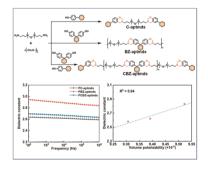
Andriy R. Kuzmyn,\* Martijn van Galen, Barend van Lagen and Han Zuilhof\*



# 3364

Molecular-level insight into the low-k properties and regulatory mechanisms of polybenzoxazines

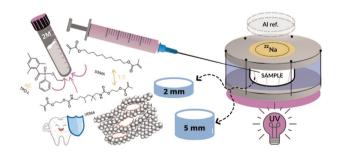
Manlin Yuan, Xin Lu, Shiao-Wei Kuo and Zhong Xin\*



#### 3372

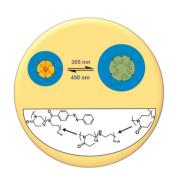
Microstructural study of different thick dimethacrylate-based samples using different amounts of photoinitiator

Katarína Cifraničová,\* Ondrej Šauša, David Pavel Královič and Helena Švajdlenková\*



# **PAPERS**

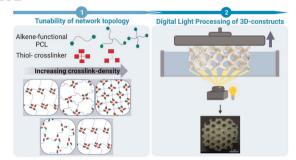
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Double stimuli-responsive azobenzene containing poly(2-oxazoline)s: synthesis, light, and temperature-responsive behavior

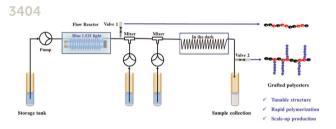
Shu Wang, Purushottam Poudel, Felix H. Schacher and Leonid I. Kaberov\*

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Exploiting the network architecture of thiol—ene photo-crosslinked poly(ε-caprolactone) towards tailorable materials for light-based 3D-printing

Astrid Quaak, Quinten Thijssen and Sandra Van Vlierberghe\*



Continuous synthesis of grafted polyesters through successive photocontrolled BIT-RDRP and ROP strategies in flow tube reactors

Shuaijie Chen, Peng Wang, Haitao Zhao, Weiwei He,\* Lifen Zhang\* and Zhenping Cheng\*