

# Polymer Chemistry

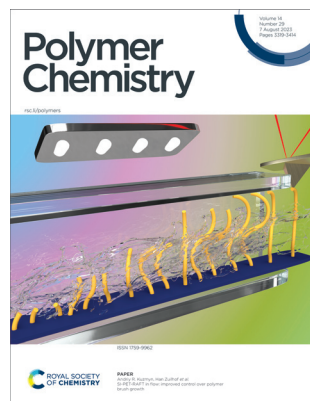
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ISSN 1759-9962 CODEN PCOHC2 14(29) 3319–3414 (2023)



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

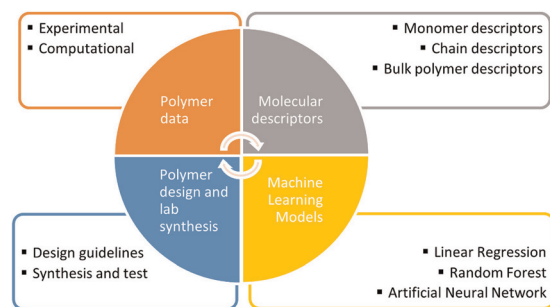
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*Polym. Chem.*, 2023, **14**,  
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## REVIEW

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

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

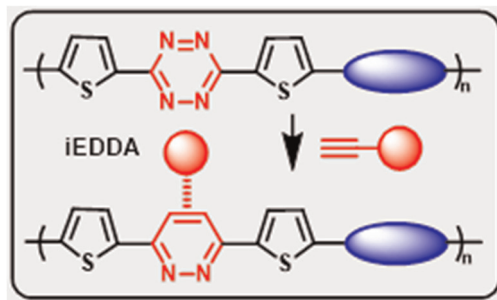


## COMMUNICATIONS

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

Zhuang Mao Png, Xiang Yun Debbie Soo, Jun Xiang  
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and Jianwei Xu\*



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Polymer Chemistry (electronic: ISSN 1759-9962)

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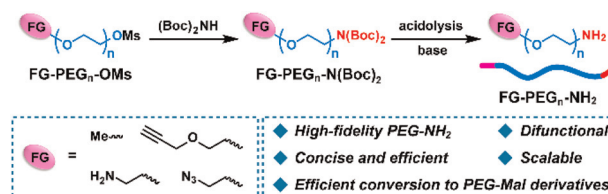


## COMMUNICATIONS

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

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

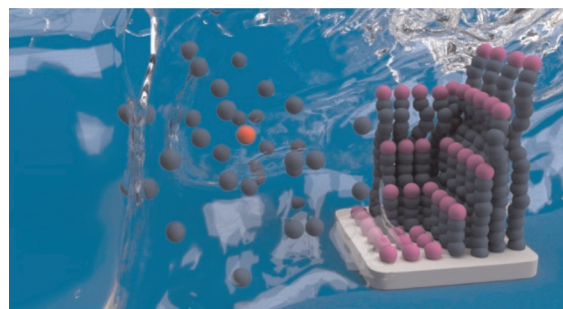


## PAPERS

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

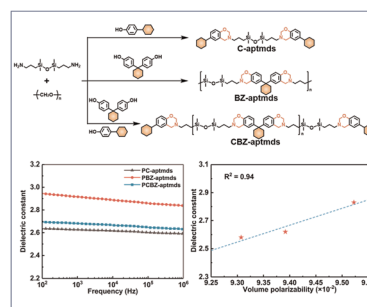
Andriy R. Kuzmyn,\* Martijn van Galen, Barend van Lagen and Han Zuilhof\*



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

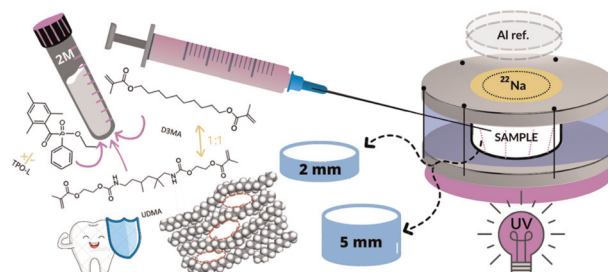
Manlin Yuan, Xin Lu, Shiao-Wei Kuo and Zhong Xin\*



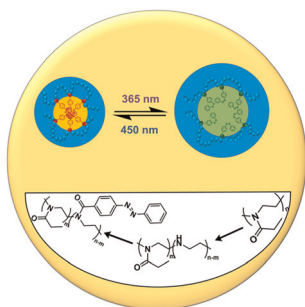
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### Microstructural study of different thick dimethacrylate-based samples using different amounts of photoinitiator

Katarína Cifraníková,\* Ondrej Šauša, David Pavel Kráľovič and Helena Švajdlenková\*



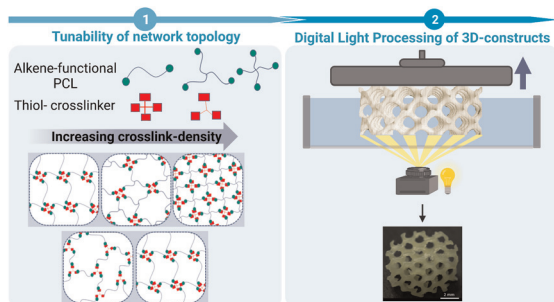
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### Double stimuli-responsive azobenzene containing poly(2-oxazoline)s: synthesis, light, and temperature-responsive behavior

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

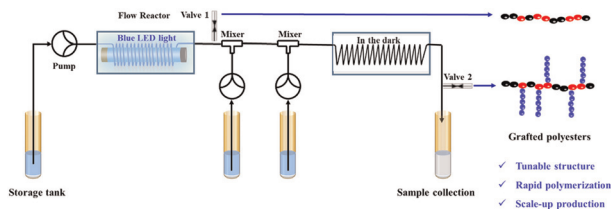
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### Exploiting the network architecture of thiol–ene photo-crosslinked poly( $\epsilon$ -caprolactone) towards tailorable materials for light-based 3D-printing

Astrid Quaak, Quinten Thijssen and Sandra Van Vlierberghe\*

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### 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,\* Lifan Zhang\* and Zhenping Cheng\*

