

# Polymer Chemistry

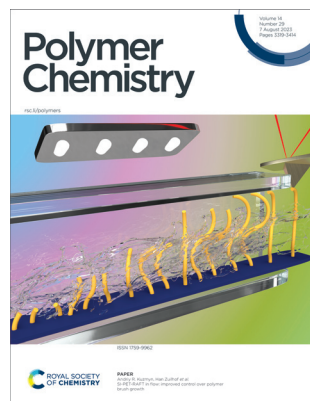
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### Cover

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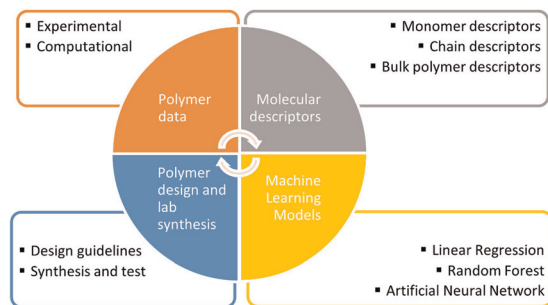
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## REVIEW

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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\*

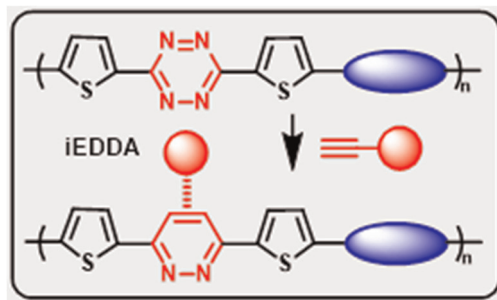


## COMMUNICATIONS

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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 Damian Liew, Ming Hui Chua, Shanxin Xiong, Qiang Zhu and Jianwei Xu\*



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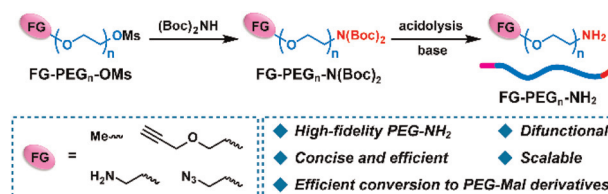


## COMMUNICATIONS

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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\*

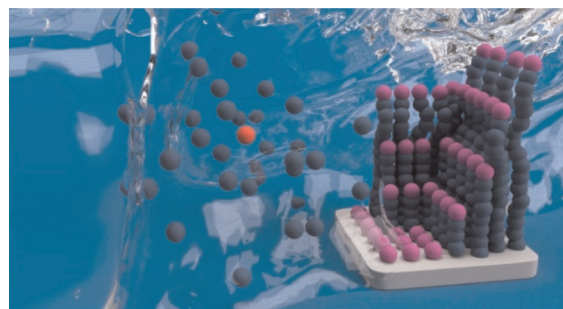


## PAPERS

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

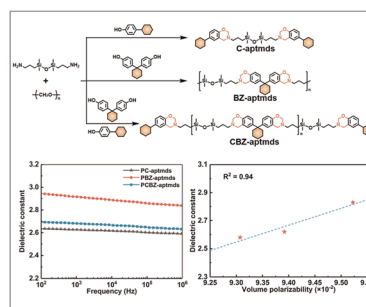
Andriy R. Kuzmyn,\* Martijn van Galen, Barend van Lagen and Han Zuillhof\*



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

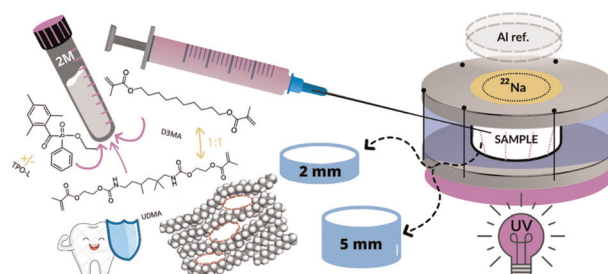
Manlin Yuan, Xin Lu, Shiao-Wei Kuo and Zhong Xin\*



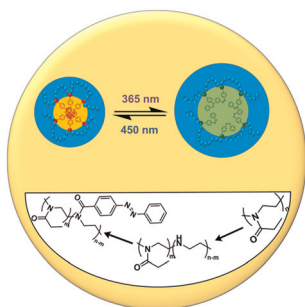
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### Microstructural study of different thick dimethacrylate-based samples using different amounts of photoinitiator

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



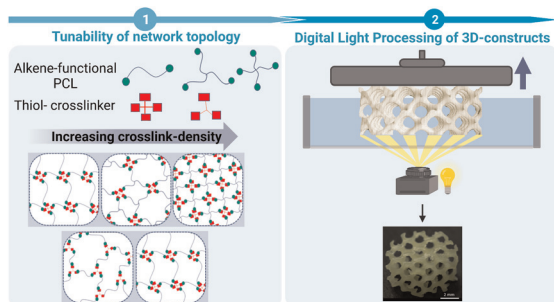
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### Double stimuli-responsive azobenzene containing poly(2-oxazoline)s: synthesis, light, and temperature-responsive behavior

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

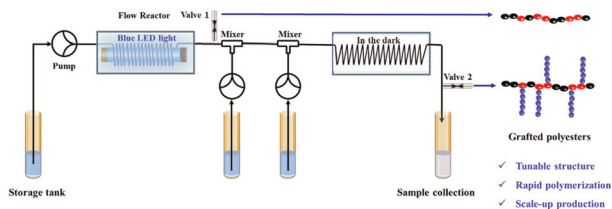
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### Exploiting the network architecture of thiol-ene photo-crosslinked poly( $\epsilon$ -caprolactone) towards tailorable materials for light-based 3D-printing

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,\* Lifen Zhang\* and Zhenping Cheng\*

