

# Polymer Chemistry

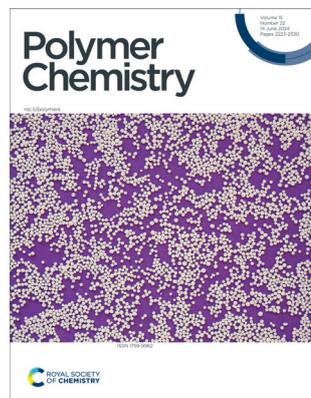
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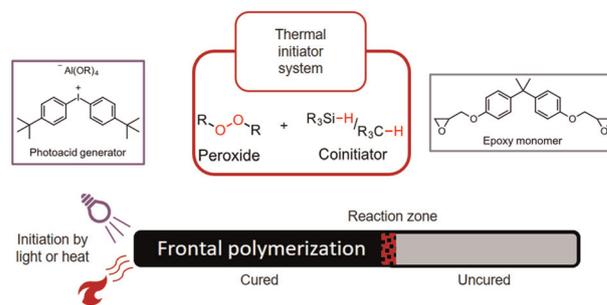
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## PAPERS

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### Novel thermal initiator systems for radical induced cationic frontal polymerization

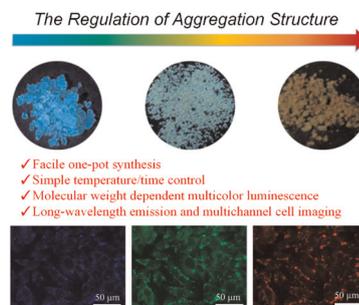
David Bassenheim,\* Moritz Mitterbauer, Robert Liska and Patrick Knaack



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### Tunable multicolor fluorescence of polyurethane derivatives controlled by molecular weight

Ke-Xin Li, Ya-Jie Meng, Chang-Yi Zhu, Nan Jiang,\* Jia-Wei Xu\* and Yan-Hong Xu\*



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Fundamental questions  
Elemental answers

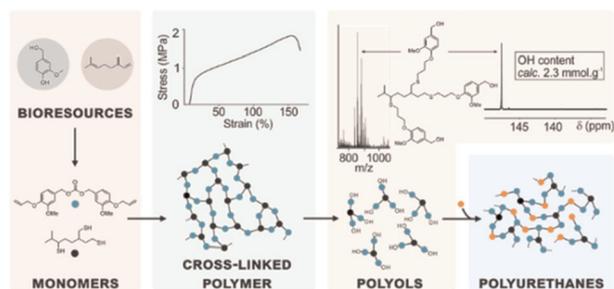


## PAPERS

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### A proof-of-concept study on a fully biobased and degradable polymer network based on vanillin and myrcene

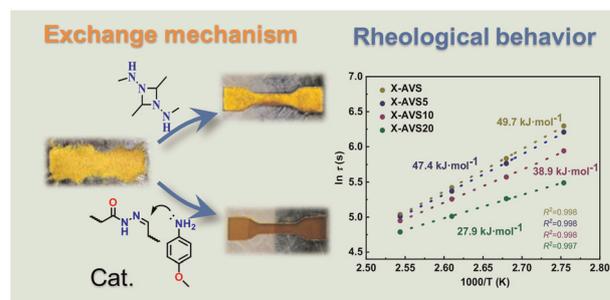
Pia S. Löser, Arthur Lamouroux, Michael A. R. Meier and Audrey Llevot\*



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### Photocurable acylhydrazone covalent adaptable networks with fast dynamic exchange and tunable viscoelastic properties

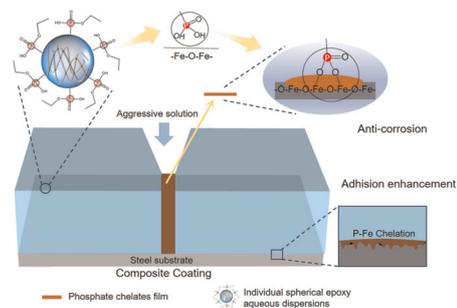
Yunsheng Xu, Chonglin Liu, Yanying Zhao, Xianming Zhang\* and Minna Hakkarainen\*



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### Improving the performance of acrylic-epoxy ester hybrid coatings with phosphate monomers

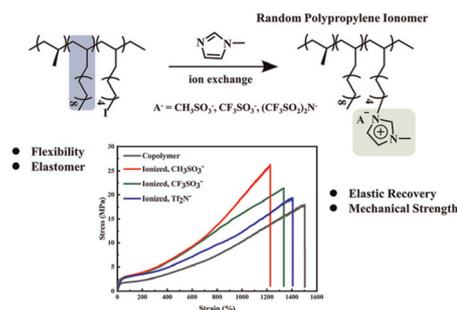
Xiaomei Wang, Mike Tebyetekerwa,\* Yujian Chen, Xin Sun, Weiwei Cong, Xiao Wang, Lizhuang Chen, Zhaolei Li, Taijiang Gui\* and Weili Li\*



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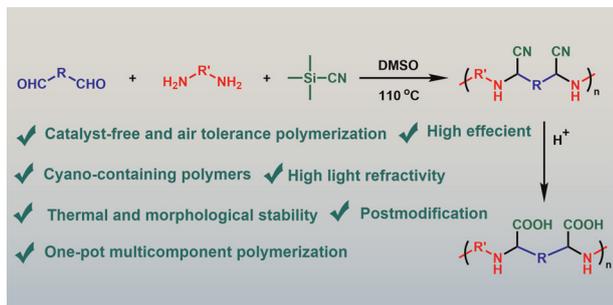
### Ionic crosslinked polypropylene-based thermoplastic elastomers with excellent mechanical properties

Xiaohui Mao, Fei Wang, Li Pan,\* Zhe Ma and Yuesheng Li\*



## PAPERS

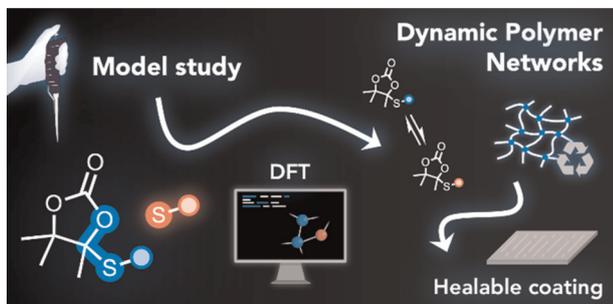
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### Catalyst-free multicomponent polymerization of aldehydes, amines and trimethylsilyl cyanide toward poly( $\alpha$ -aminonitrile)s

Tianyu Cheng,\* Huadong Wang, Jianqing Ding, Junguo Fang, Jia Wang,\* Mingzhao Li, Jie Chen, Anjun Qin\* and Ben Zhong Tang

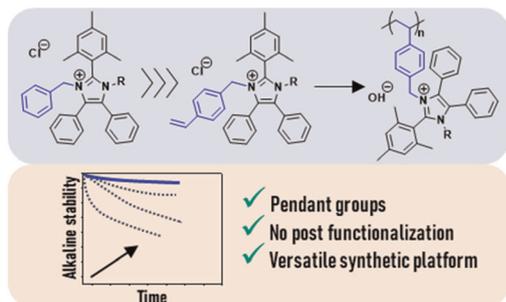
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### Unprecedented associative exchange in CO<sub>2</sub>-sourced cyclic S,O-acetal-based covalent adaptable networks

Stephan Maes, Thomas Habets, Susanne M. Fischer, Bruno Grignard, Christophe Detrembleur\* and Filip E. Du Prez\*

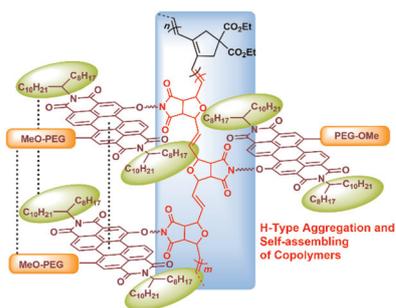
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### Alkaline stability of pendant C2-protected poly(imidazolium)s

Kate Fraser, Anastasiia Konovalova, Thomas Skalski, Simon Cassegrain and Steven Holdcroft\*

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### Bridging of poly(acetylene)s and PEG-modified poly(olefin)s through ring-opening metathesis copolymerization (ROMCP)

Santhosh Kumar Podiyanchari, Maciej Bartóg, Mohammed Al-Hashimi\* and Hassan S. Bazzi\*

