

Polymer Chemistry

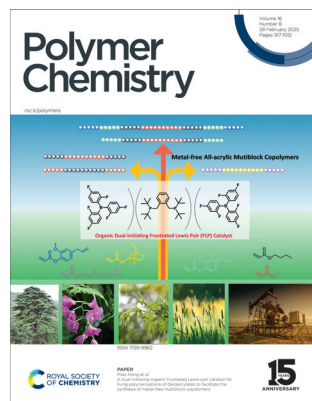
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Cover

See Miao Hong *et al.*,
pp. 936–946.

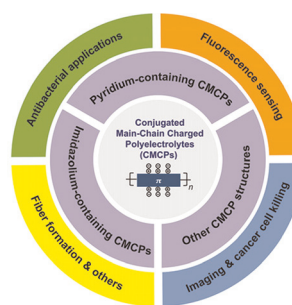
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REVIEW

923

Synthesis and applications of conjugated main-chain charged polyelectrolytes

Hai-Yan Huang, Dongyang Fan,* Dong Wang, Ting Han* and Ben Zhong Tang*

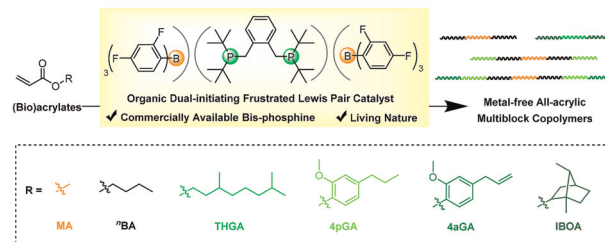


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A dual-initiating organic frustrated Lewis pair catalyst for living polymerizations of (bio)acrylates to facilitate the synthesis of metal-free multiblock copolymers

Zhen-Hua Zhang, Yuyang Chen, Yuesheng Li and Miao Hong*



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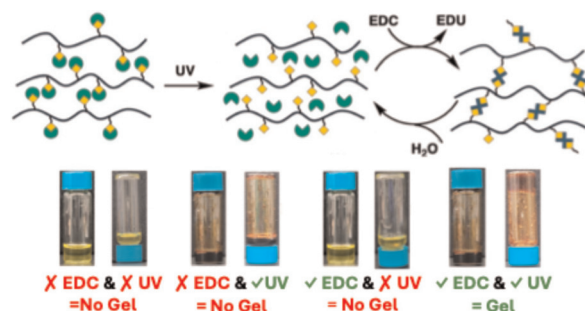
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PAPERS

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Photoresponsive polymers for carbodiimide-fueled transient hydrogels

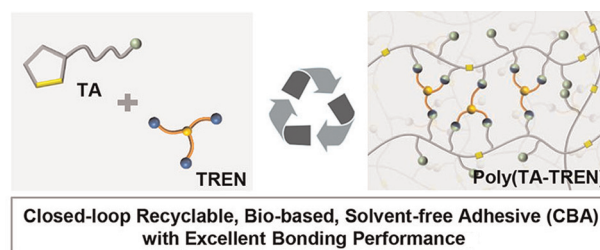
Ibrahim O. Raji, Torin C. Wilcox, C. Scott Hartley and Dominik Konkolewicz*



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An eco-friendly adhesive with ultra-strong adhesive performance

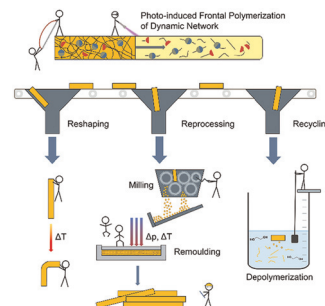
Zhenyu Yang,* Xiaoting Ji, Xin-long Sha, Jincheng Ding, Lin Cheng and Guangfeng Li*



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Frontal polymerization of thiol–acrylate covalent adaptable networks

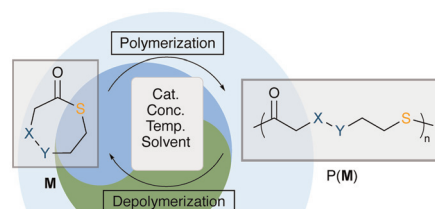
Christoph Schmidleitner, Matthias Udo Kriehuber, Roman Korotkov, Sandra Schlögl* and Elisabeth Rossegger*



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Chemically recyclable poly(thioether-thioester)s via ring-opening polymerization of seven-membered thiolactones

Long-Hai Liu, Si-Qi Wang, Hua-Zhong Fan, Qing Cao, Zhongzheng Cai* and Jian-Bo Zhu*

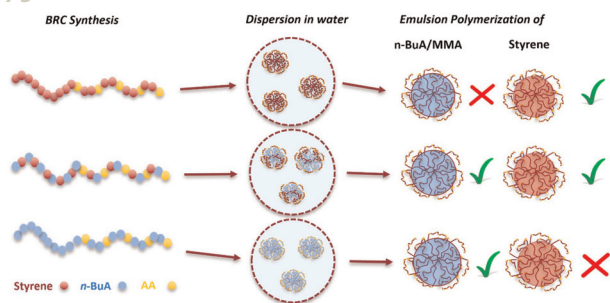


- >90% Conversion at room temperature
- Improved thermal stability
- High-performance mechanical property

- Heteroatom-position influence
- T_m up to 95 °C
- Au³⁺ Absorption and recovery



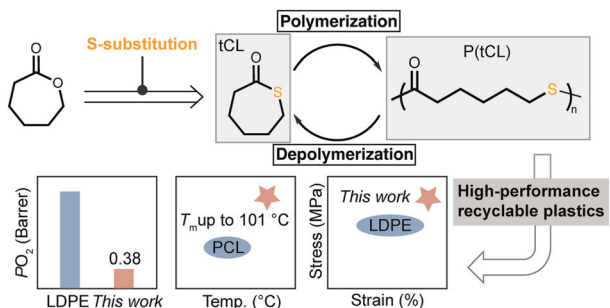
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Amphiphilic block-random copolymer stabilisers: extension to other monomer types

Arthur Werner, Connor A. Sanders, Sandra E. Smeltzer, Sean R. George, Andreas Gernandt, Bernd Reck and Michael F. Cunningham*

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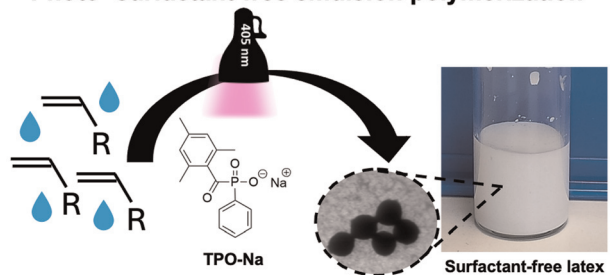


Implementing a sulfur-substitution approach toward a high-performance recyclable polythioester

Si-Qi Wang, Long-Hai Liu, Kun Li, Wei Xiong, Hua-Zhong Fan, Qing Cao, Zhongzheng Cai* and Jian-Bo Zhu*

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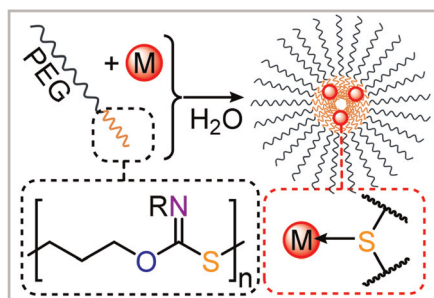
Photo-surfactant-free emulsion polymerization



Shedding light on surfactant-free emulsion polymerization

Erika Paola Fonseca Parra, Jean-Luc Six and Khalid Ferji*

1003



Sulfur-containing block polymers from ring-opening copolymerization: coordinative encapsulants for transition metals

Jenny Stephan, Merlin R. Stühler, Christoph Fornacon-Wood, Mathias Dimde, Kai Ludwig, Heinz Sturm, Jorge L. Olmedo-Martínez, Alejandro J. Müller and Alex J. Plajer*

