

# Polymer Chemistry

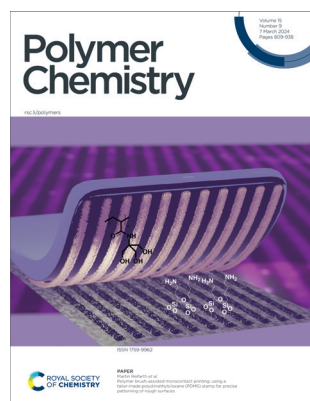
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## IN THIS ISSUE

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**Cover**  
See Martin Reifarth *et al.*,  
pp. 853–867.

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*Polym. Chem.*, 2024, **15**, 853.

## TUTORIAL REVIEW

815

### A tutorial review of linear rheology for polymer chemists: basics and best practices for covalent adaptable networks

Ralm G. Ricarte\* and Sachin Shanbhag\*

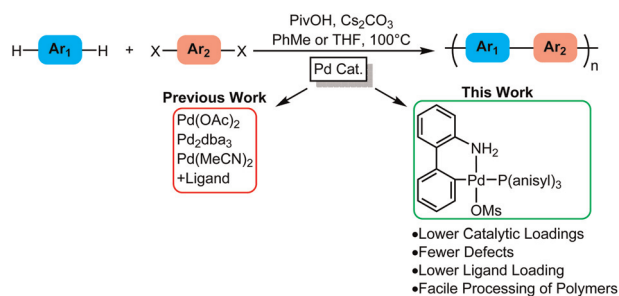


## COMMUNICATION

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### A palladium precatalyst for direct arylation polymerization

Rafael A. Mirabal, Javan A. Buratynski, Ryan J. Scott and Derek J. Schipper\*



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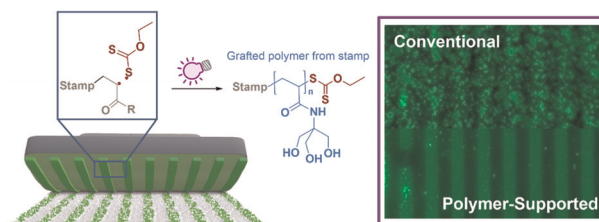
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### Polymer brush-assisted microcontact printing: using a tailor-made polydimethylsiloxane (PDMS) stamp for precise patterning of rough surfaces

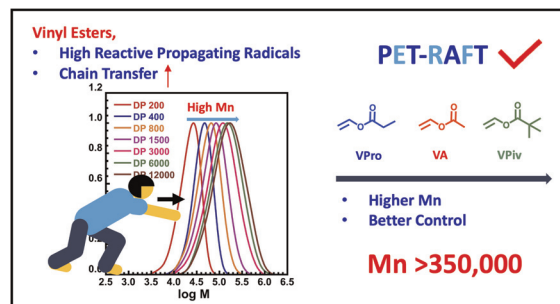
Nazim Pallab, Stefan Reinicke, Johannes Gurke, Rainer Rihm, Sergio Kogikoski, Jr., Matthias Hartlieb and Martin Reifarth\*



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### Exploring high molecular weight vinyl ester polymers made by PET-RAFT

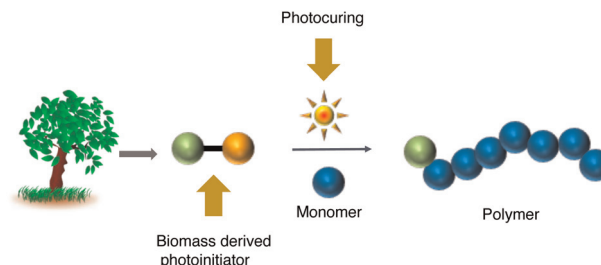
M. A. Sachini N. Weerasinghe, Nethmi De Alwis Watuthantrige and Dominik Konkolewicz\*



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### Near-visible light active biomass derived benzoin photoinitiators for energy curing applications

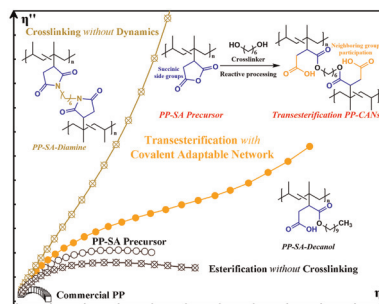
Ravichandranath Singathi, Sruthy Baburaj, Jayachandran Parthiban, Gregory T. Carroll, Steffen Jockusch and Jayaraman Sivaguru\*



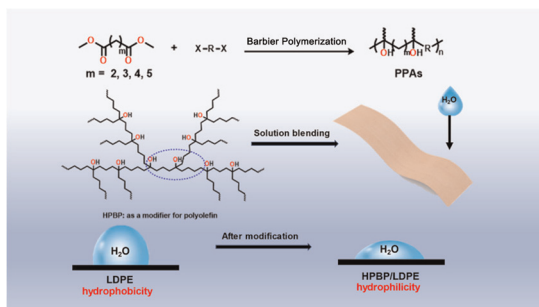
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### Polypropylene-based transesterification covalent adaptable networks with internal catalysis

Yuanchu Gao and Hui Niu\*



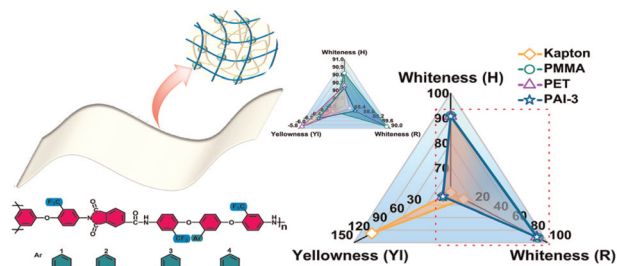
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### Barbier polymerization towards synthesizing polar polyolefin analogues for polyolefin modification

Bowenjing Cai, Na Wang, Wen-Ming Wan,\*  
Longhui Zheng,\* Lixin Wu and Hongli Bao\*

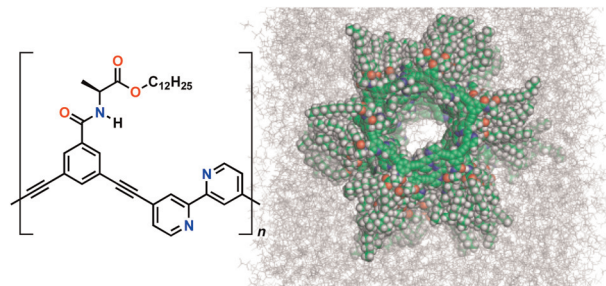
903



### Preparation and performance testing of novel bendable optically transparent fluorinated hyperbranched linear long chain segment poly(amide-imide) films

Ze-Bang Sun, Wen Yang, Xiao-Sa Zhang, Xiao-Yu Zhu,  
Jian Luan, Wen-Ze Li\* and Yu Liu\*

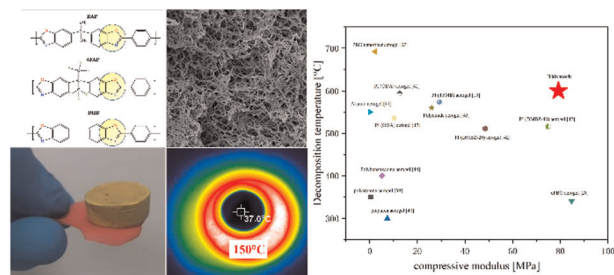
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### Bipyridine-containing $\pi$ -conjugated polymers bearing optically active amide groups: mechanistic aspects of formation of chiral higher-order structures

Taichi Sotani, Mai Otoba, Mio Hosotani,  
Tomohiro Hayashi, Hiromitsu Sogawa and  
Fumio Sanda\*

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### Lightweight polybenzoxazole aerogels with high compressive strength, ultralow dielectric constants, and excellent thermal stability

Yi Zhang, Xiaoyun Liu,\* Rui Yang and Qixin Zhuang\*

