

# Polymer Chemistry

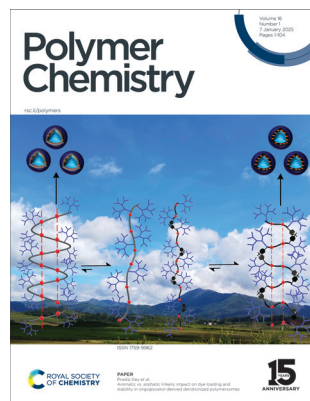
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## IN THIS ISSUE

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### Cover

See Pradip Dey *et al.*,  
pp. 27–36.

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from *Polym. Chem.*, 2025,  
**16**, 27.

## EDITORIAL

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### Fifteen years of *Polymer Chemistry*

Christine K. Luscombe\* and Maria E. Southall\*

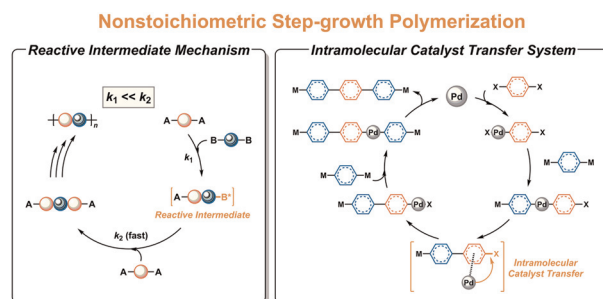


## REVIEW

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### Recent progress in nonstoichiometric step-growth polymerization

Kenta Yokawa and Tomoya Higashihara\*



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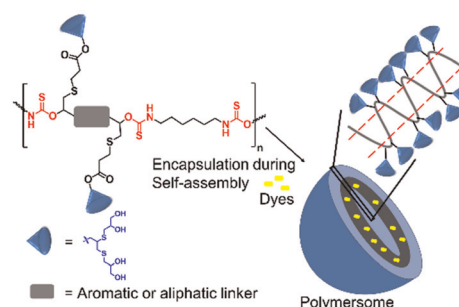


**SAVE  
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### Aromatic vs. aliphatic linkers: impact on dye loading and stability in oligoglycerol-derived dendronized polymersomes

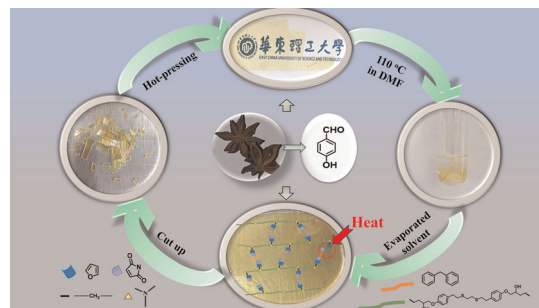
Raj Kumar Roy, Trisha Samanta, Supriyo Saha, Aparna Ramesh, Naznin Ara Begum, Goutam Ghosh and Pradip Dey\*



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### A new recyclable polymer based on Diels–Alder crosslinking networks derived from anisaldehyde

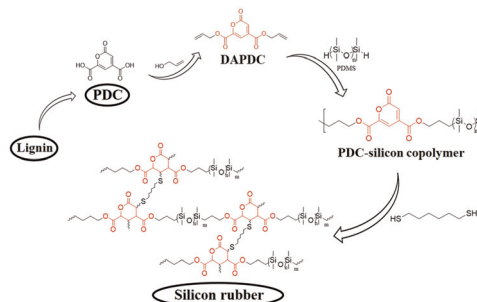
Caiyun Wang, Weibo Liu, Keying Wang, Kaili Wang, Bowen Deng, Liqiang Wan, Qiaolong Yuan and Farong Huang\*



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### Improved thermal properties of polydimethylsiloxane by copolymerization and thiol–ene crosslinking of 2-pyrone-4,6-dicarboxylic acid moiety

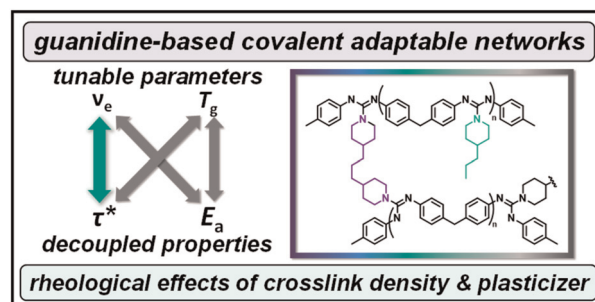
Takahiro Shimura, Yijie Jin, Keiichi Kubyama, Takuma Araki, Naofumi Kamimura, Eiji Masai, Masaya Nakamura and Tsuyoshi Michinobu\*



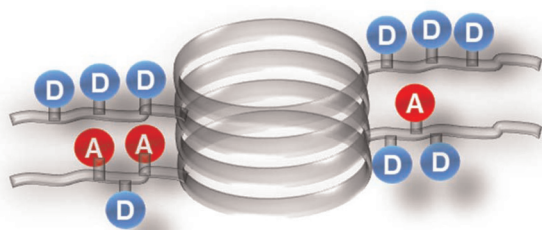
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### Effects of crosslink density and plasticizer on thermorheological properties of dissociative guanidine-based covalent adaptable networks

Adelle L. Koenig, Kelsey M. Allis, John S. Lehr and Michael B. Larsen\*



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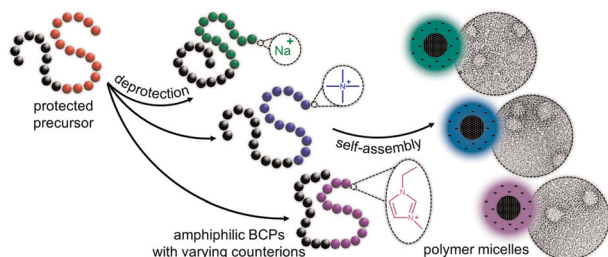


Supramolecular TSCT-based TADF Polymers

### Supramolecular method enabling effective through-space charge transfer in thermally activated delayed fluorescence materials with pure orange emission

Yufeng Sang, Ruicong Feng, Yuqian Wang and Qiao Song\*

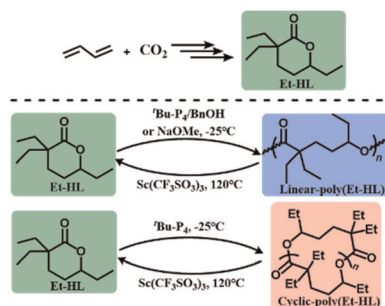
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### Influence of counterions on the thermal and solution properties of strong polyelectrolytes

Théophile Pelras,\* Julien Es Sayed, Jin Pierik, Andrea Giuntoli, Anton H. Hofman, Katja Loos and Marleen Kamperman\*

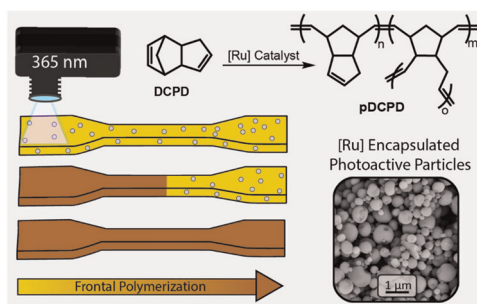
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### Ring-opening polymerization of a tri-substituted six-membered lactone derived from CO<sub>2</sub>/butadiene

Jialin Xu, Yuxuan Niu and Bo-lin Lin\*

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### Photoinitiated thermoset polymerization through controlled release of metathesis catalysts encapsulated in poly(phthalaldehyde)

Oleg Davydovich, Josephine Lewis, Mikayla Romero, Julia Deitz, Francesca C'deBaca, Jared M. Schwartz, Anthony C. Engler, Paul A. Kohl, Samuel C. Leguizamon and Brad H. Jones\*

