

# Polymer Chemistry

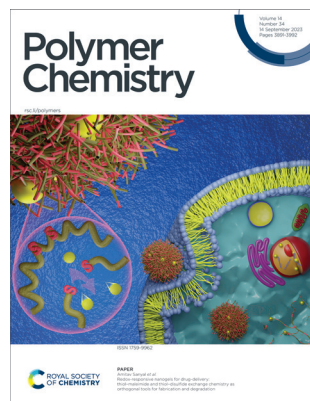
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### Cover

See Amitav Sanyal *et al.*, pp. 3897–3905.

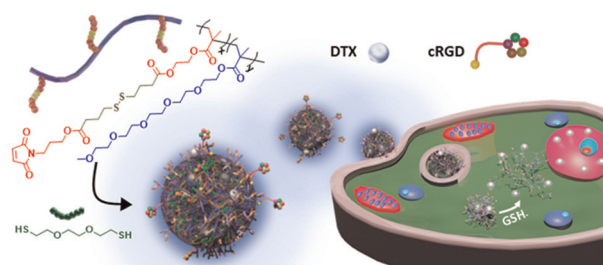
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## PAPERS

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### Redox-responsive nanogels for drug-delivery: thiol–maleimide and thiol–disulfide exchange chemistry as orthogonal tools for fabrication and degradation

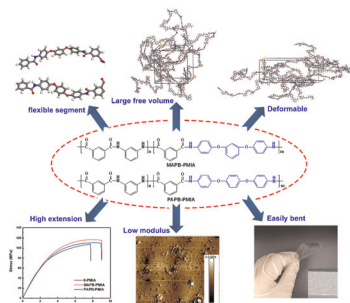
Ismail Altinbasak, Salli Kocak, Rana Sanyal and Amitav Sanyal\*



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### Preparation and structure–property relationship of flexible aramid films with enhanced strength by introducing asymmetric and symmetric aromatic ether bond structures

Zheng Zhang, Wenqin Hong, Xiaoyan Wang, Changhai Xu, Yang Jiang, Jinmei Du,\* Dagang Miao and Guowei Xiao



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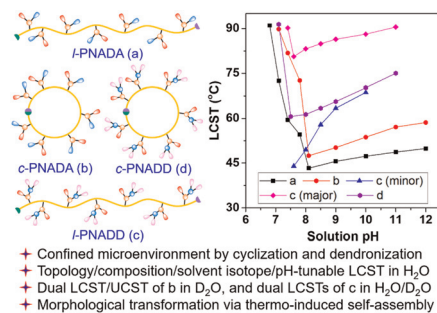
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### Impact of cyclization and dendronization on multi-tunable thermoresponsive behaviors of polyacrylamide copolymers

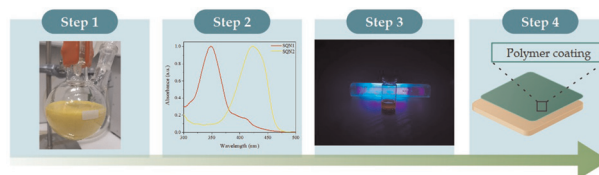
Jiaman Hu, Lu Lian, Yong Lin, Ran Chen and Youliang Zhao\*



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### High potential of new dyeing photoinitiators for fast curing of (meth)acrylate compositions under low intensity UV–Vis light

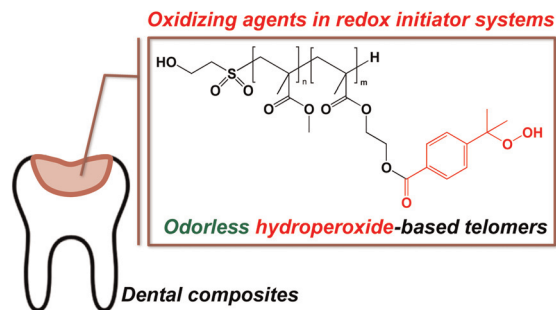
Paulina Bednarczyk, Alicja Balcerak-Woźniak, Janina Kabatc-Borcz\* and Zbigniew Czech



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### Synthesis of original polymeric hydroperoxides as innovative oxidizing agents for self-cure dental materials

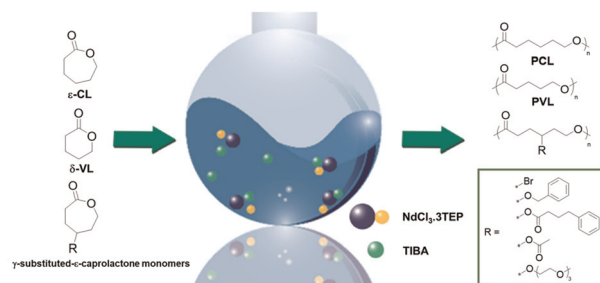
Paul Morandi, Yohann Catel, Jörg Angermann, Pascal Fässler, Jean-Jacques Robin and Sophie Monge\*



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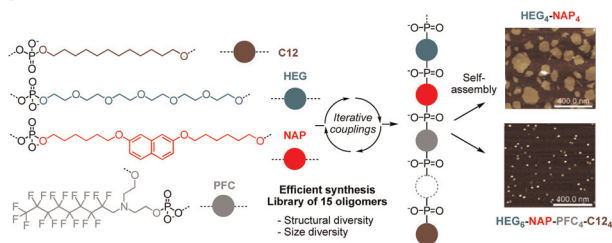
### A binary neodymium catalyst for the polymerization of lactones

Ruvanathi N. Kularatne, Somayeh Taslimy, Abhi Bhadrar, John Michael O. Cue, Chandima Bulumulla, Erika L. Calubaquib, Ruwan Gunawardhana, Michael C. Biewer and Mihaela C. Stefan\*



## PAPERS

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### A single monomer difference can impact the nanostructure output of precision oligo(phosphodiesters)

Donatien de Rochambeau, Maciej Bartóg, Felix J. Rizzuto, Quentin Laurent, Xin Luo, Kai Lin Lau, Hassan S. Bazzi and Hanadi F. Sleiman\*

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- ✓ A fully biobased monomer
- ✓ A monomer with epoxide and ketone groups
- ✓ Undergo ring-opening and imine formation
- ✓ High-performance epoxy resin

### A robust fully bio-based aromatic–aliphatic ketone epoxide monomer for high-performance epoxy resin containing an imine structural moiety

Ziting Cao, Yang You, Yunqi Li, Caijuan Huang, Yaozhu Tian, Shihao Zhao, Qin Chen\* and Haibo Xie\*

## CORRECTION

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### Correction: One pot synthesis of thiol-functional nanoparticles

Aaron Priester,\* Jimmy Yeng, Krista Hilmas and Anthony J. Convertine\*

