

Polymer Chemistry

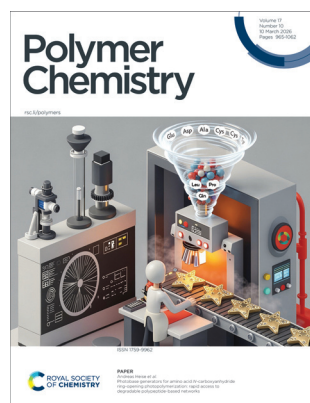
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IN THIS ISSUE

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Cover
See Andreas Heise *et al.*,
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2026, **17**, 989.

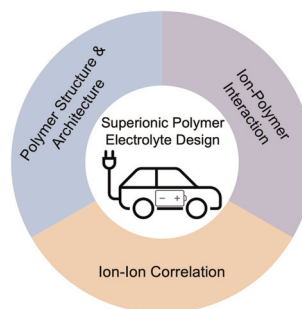
The authors acknowledge
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PERSPECTIVE

971

Superionic conduction in solid polymer electrolytes – decoupling ion transport from segmental relaxation

Mengying Yang and Thomas H. Epps, III*

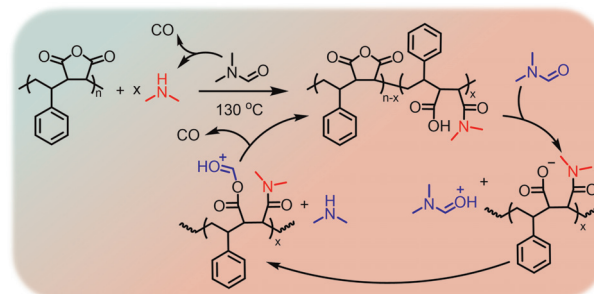


COMMUNICATION

984

The amidation of poly(styrene-*alt*-maleic anhydride) via *N,N*-dimethylformamide decomposition

Michael-Phillip Smith, Lauren E. Ball, Ilanie Wessels and Bert Klumperman*



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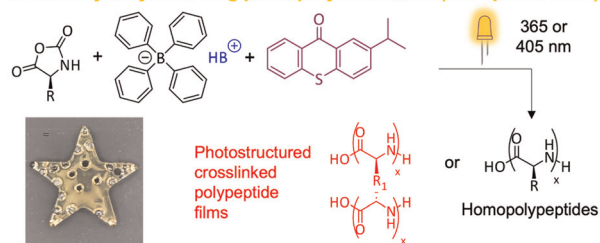
Fundamental questions
Elemental answers

989

Photobase generators for amino acid *N*-carboxyanhydride ring-opening photopolymerization: rapid access to degradable polypeptide-based networks

Robert D. Murphy, Thiago Ouriques Machado, Carlo Gonzato, Fernando Vidal, Ander Leiza, Oihane Varela, Haritz Sardon, Olivier Soppera and Andreas Heise*

N-carboxyanhydride ring photopolymerization (NCA photo-ROP)

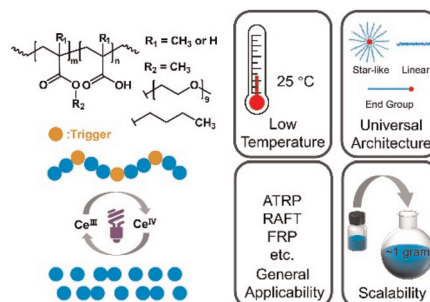


✓Rapid NCA ROP kinetics ✓Symmetrical low D (<1.5) ✓Amenable to visible light

995

Visible light-induced degradation of acrylate/methacrylate copolymers with comonomer triggers

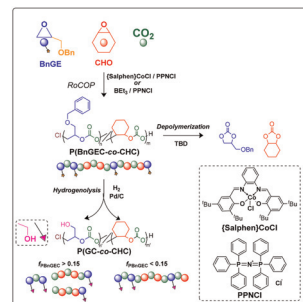
Xuzheng Guo, Wenhua Peng, Wenjie Zhang, Chengli Wang, Xiaomeng Zhang, Zhe Cui, Peng Fu, Mingyong Liu, Ge Shi, Shuang Liang, Yanjie He* and Xinchang Pang*



1005

CO₂/epoxides ring-opening copolymerization towards hydroxy-functionalized polycarbonates

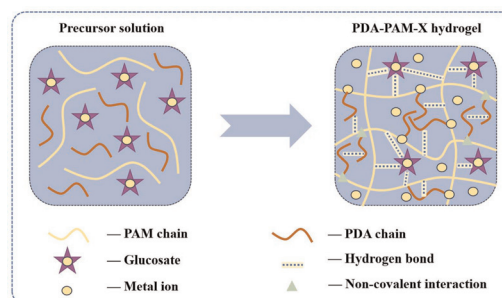
Nishant Chaudhary, A. Stephen K. Hashmi, Jean-François Carpentier* and Sophie M. Guillaume*



1019

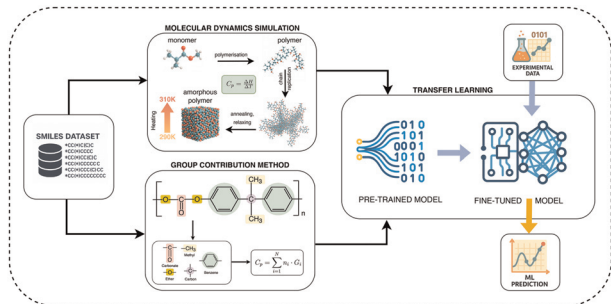
Mechanically robust gluconate-regulated polydopamine–polyacrylamide hydrogels with exceptional adhesion

Zhongyang Wang, Chengcheng Yin, Qiaoyu Ma, Songfang Zhao, Guangbin Duan,* Degang Zhao and Shuhua Yang*



PAPERS

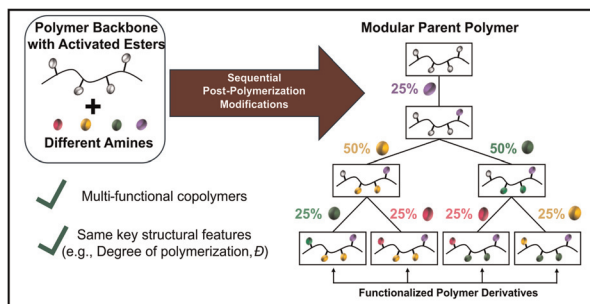
1028



A transfer learning framework integrating molecular dynamics and group contribution methods for predicting polymer specific heat capacity

Sobin Alosious, Jiaxin Xu, Meng Jiang and Tengfei Luo*

1052



A divergent synthetic route to functional copolymer libraries *via* modular polymers

Rachel H. Bianculli, Connor M. B. Gallagher, Zhen Shi, Rhone B. Jenkins, Timothy D. Ermolaev and Michael D. Schultz*

CORRECTION

1059

Correction: Simple amination of polystyrene *via* radical sp^3 C–H imination

Mengnan Hu, Lizhe He and Robert J. Comito*

