

Polymer Chemistry

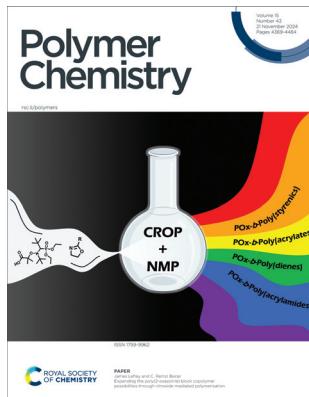
The home for the most innovative and exciting polymer chemistry, with an emphasis on polymer synthesis and applications thereof

rsc.li/polymers

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

ISSN 1759-9962 CODEN PCOHC2 15(43) 4369–4484 (2024)



Cover

See James Lefley and C. Remzi Becer,
pp. 4416–4424.

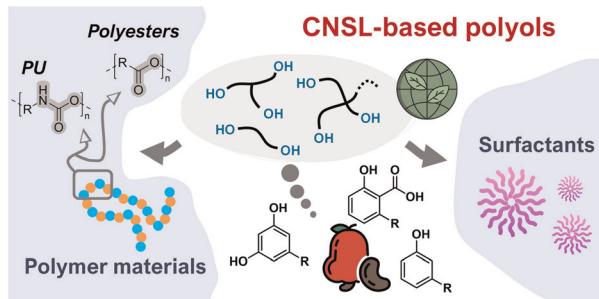
Image reproduced by
permission of James Lefley
from *Polym. Chem.*, 2024,
15, 4416.

REVIEW

4375

Polyols from cashew nut shell liquid (CNSL): corner-stone building blocks for cutting-edge bio-based additives and polymers

Emilie Rojtman, Maxinne Denis, Camille Sirvent, Vincent Lapinte, Sylvain Caillol* and Benoit Briou*

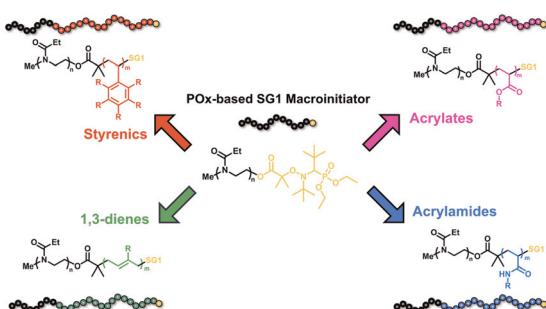


PAPERS

4416

Expanding the poly(2-oxazoline) block copolymer possibilities through nitroxide mediated polymerisation

James Lefley and C. Remzi Becer*





GOLD
OPEN
ACCESS

RSC Applied Polymers

The application of polymers,
both natural and synthetic

Interdisciplinary and open access

rsc.li/RSCApplPolym

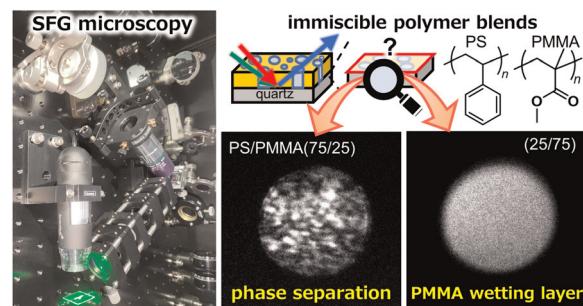
Fundamental questions
Elemental answers

PAPERS

4425

Effect of interfacial local conformation of polymer chains on adhesion strength

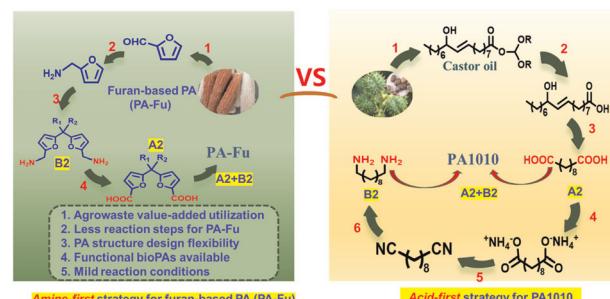
Tatsuki Abe, Satoru Yamamoto and Keiji Tanaka*



4433

A novel amine-first strategy suitable for preparing both functional and engineering bio-polyamides: furfurylamine as the sole furan source for bisfuranic diamine/diacid monomers

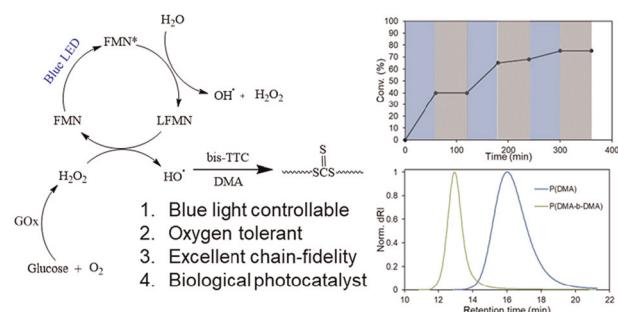
Hong-Hui Shu, Yun Liu, Sheng-Li Han, Xiu-Qin Fang, Chang Wang and Cheng-Mei Liu*



4447

Bio-photo-Fenton-like RAFT polymerization under blue light

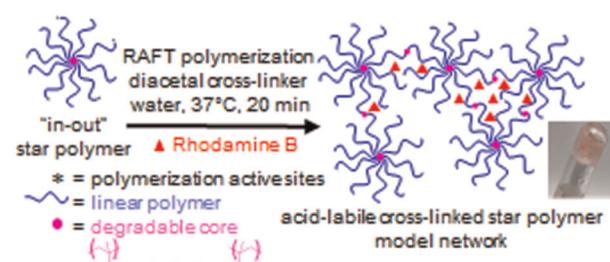
James L. Grace and Greg G. Qiao*



4454

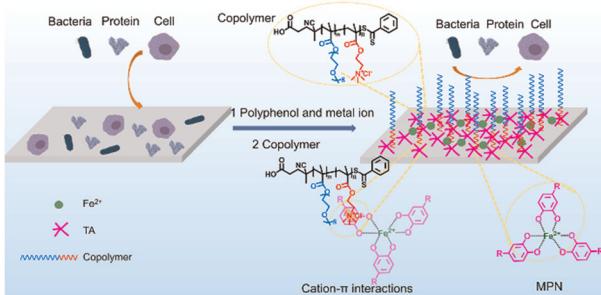
Acid-labile and non-degradable cross-linked star polymer model networks by aqueous polymerization for *in situ* encapsulation and release

Gavin Irvine, Stuart Herron, Daniel W. Lester and Efrosyni Themistou*



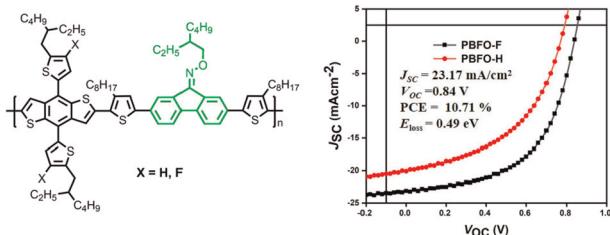
PAPERS

4465

Rapid formation of antifouling coatings via cation- π interactions

Zhicheng Huang, Kajie Zhao, Shaoyin Wei, Yingxin Hao, Qina Yu, Jingcheng Hao, Jiwei Cui and Peiyu Zhang*

4474



Simple oxime functionalized fluorene polymers for organic solar cells

Abdullah Adewale Adeoba, Xiangyu Shen, Fuzhen Bi, Jianan Niu, Mingxin Sun, Shuguang Wen* and Xichang Bao*

