

# Polymer Chemistry

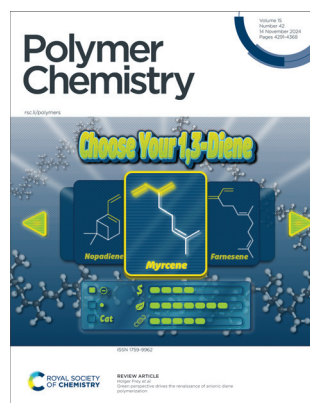
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## IN THIS ISSUE

ISSN 1759-9962 CODEN PCOHC2 15(42) 4291-4368 (2024)



**Cover**  
See Holger Frey *et al.*,  
pp. 4297–4311.

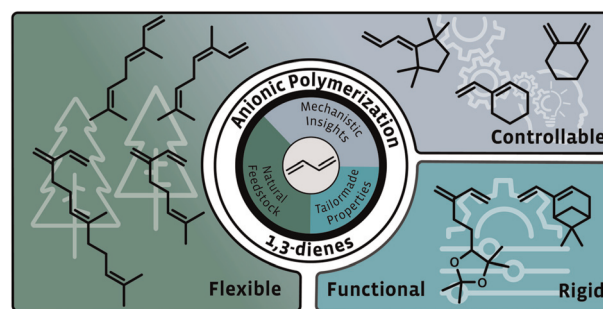
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Moritz Rauschenbach from  
*Polym. Chem.*, 2024, **15**,  
4297.

## REVIEW

4297

### Green perspective drives the renaissance of anionic diene polymerization

Moritz Rauschenbach, Moritz Meier-Merziger and  
Holger Frey\*

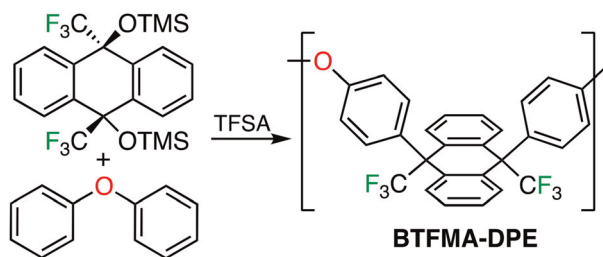


## COMMUNICATION

4312

### The CF<sub>3</sub>TMS adduct of anthraquinone as a monomer for making polymers with potential as separation membranes

Kim Jiayi Wu, John M. Tobin, Anli Ji, Yang Shi,  
Chunchun Ye, Gary S. Nichol, Alessio Fuoco,  
Mariagiulia Longo, Johannes C. Jansen and  
Neil B. McKeown\*



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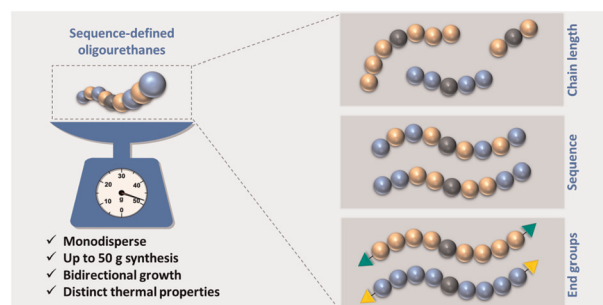
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## PAPERS

4319

### Scalable design of uniform oligourethanes for impact study of chain length, sequence and end groups on thermal properties

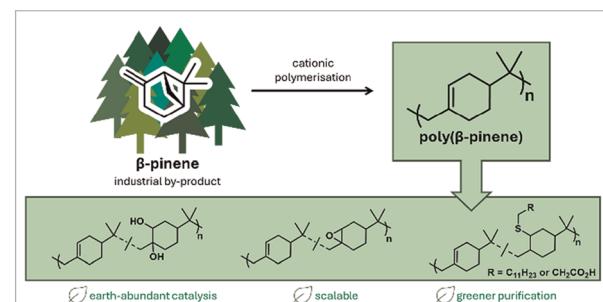
Jens Van Hoorde, Nezha Badi\* and Filip E. Du Prez\*



4327

### Lewis acid ionic liquid catalysed synthesis of bioderived surfactants from $\beta$ -pinene

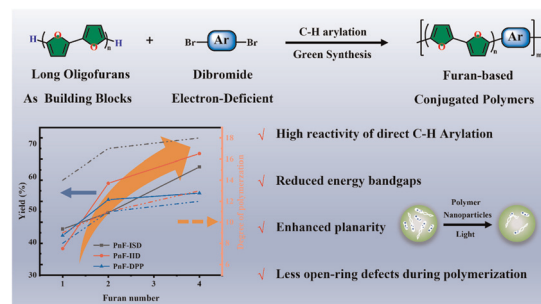
Philippa L. Jacob, Fabricio Machado, Graham A. Rance, Gary Walker, Vincenzo Taresco, Daniel J. Keddie and Steven M. Howdle\*



4339

### Synthesis of furan-based conjugated polymers with tunable bandgaps via direct C–H arylation of oligofurans

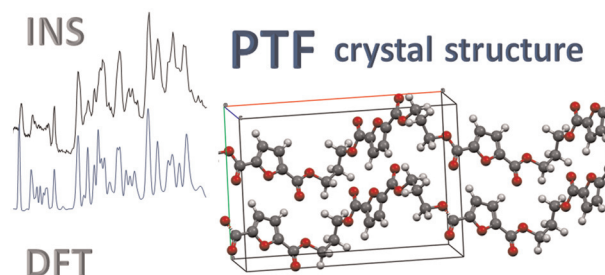
Hui Guo, Dayong Jiang, Yufan Gu, Ruixin Wang, Luoyi Wang and Xu-Hui Jin\*



4349

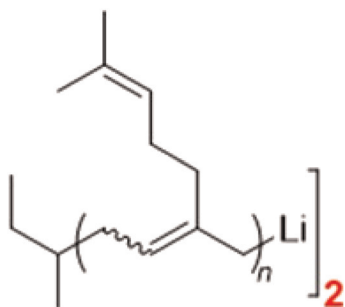
### Crystal structure of poly(trimethylene 2,5-furandicarboxylate) redux – a new model supported by computational spectroscopy

Catarina F. Araújo, Simão V. Pandeirada, Inês M. Oliveira, Guilherme B. Rosa, Beatriz Agostinho, Armando J. D. Silvestre, Andreia F. Sousa, Svemir Rudić, Pedro D. Vaz, Mariela M. Nolasco\* and Paulo Ribeiro-Claro



## COMMENT

4364



Comment on "Limonene as a renewable unsaturated hydrocarbon solvent for living anionic polymerization of  $\beta$ -myrcene" by A. Dev, A. Rösler and H. Schlaad, *Polym. Chem.*, 2021, 12, 3084

Akhil Dev, Alexander Rösler and Helmut Schlaad\*

