# **Polymer Chemistry**

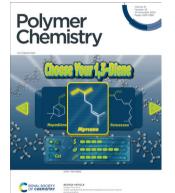
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## Cover

See Holger Frey et al., pp. 4297-4311.

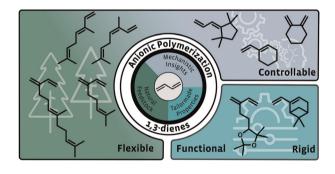
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## **REVIEW**

### 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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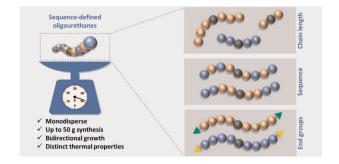


# **PAPERS**

#### 4319

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

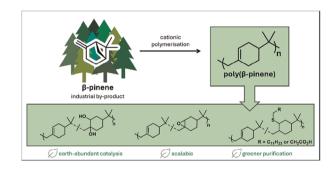
Jens Van Hoorde, Nezha Badi\* and Filip E. Du Prez\*



### 4327

# Lewis acid ionic liquid catalysed synthesis of bioderived surfactants from β-pinene

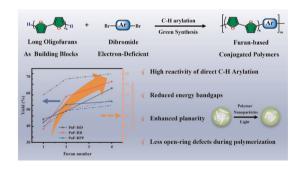
Philippa L. Jacob, Fabricio Machado, Graham A. Rance, Gary Walker, Vincenzo Taresco, Daniel J. Keddie and Steven M. Howdle\*



### 4339

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

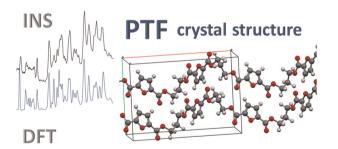
Hui Guo, Dayong Jiang, Yufan Gu, Ruixin Wang, Luoyi Wang and Xu-Hui Jin\*



### 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\*