

Polymer Chemistry

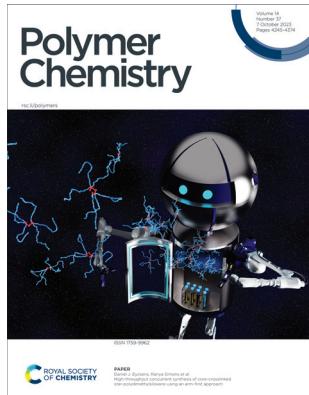
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Cover

See Daniel J. Eyckens,
Ranya Simons *et al.*,
pp. 4282–4293.

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Daniel J. Eyckens from
Polym. Chem., 2023, **14**,
4282.

EDITORIAL

4252

Introduction to Chalcogen-containing polymers

Justin M. Chalker,* Rongrong Hu* and Jeffrey Pyun*

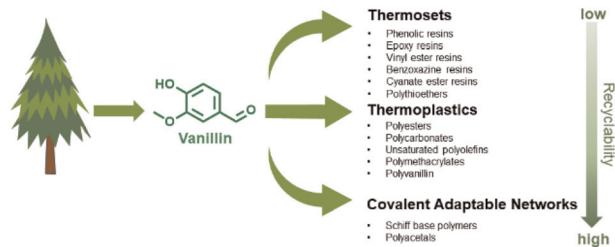


REVIEW

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From vanillin to biobased aromatic polymers

Hongru Qiang, Jiewen Wang, Hengxu Liu and
Yunqing Zhu*

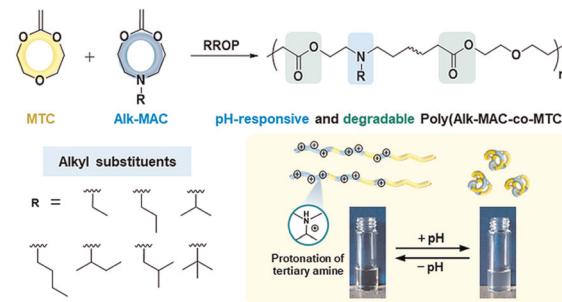


COMMUNICATION

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Amine-bearing cyclic ketene acetals for pH-responsive and degradable polyesters through radical ring-opening polymerisation

Yiyi Deng, Anaïs Frezel, Fabian Mehner, Peter Friedel and Jens Gaitzsch*

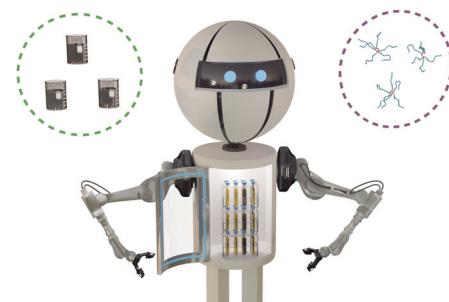


PAPERS

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High-throughput concurrent synthesis of core-crosslinked star-polydimethylsiloxane using an arm-first approach

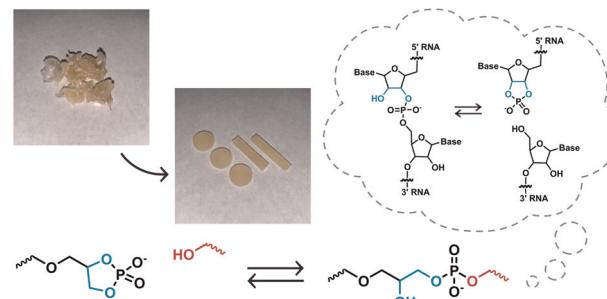
Daniel J. Eyckens,* Shaun Howard, Graeme Moad, Benjamin W. Muir, Almar Postma and Ranya Simons*



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RNA-inspired phosphate diester dynamic covalent networks

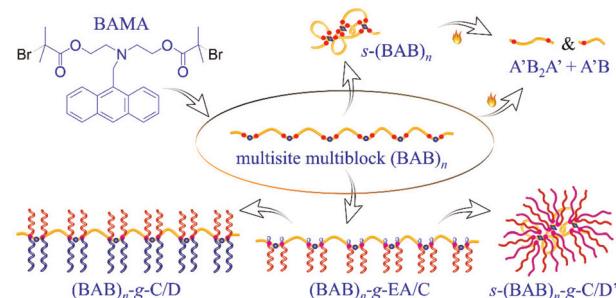
Roy Wink, Soumabrata Majumdar, Rolf A. T. M. van Benthem, Johan P. A. Heuts* and Rint P. Sijbesma*



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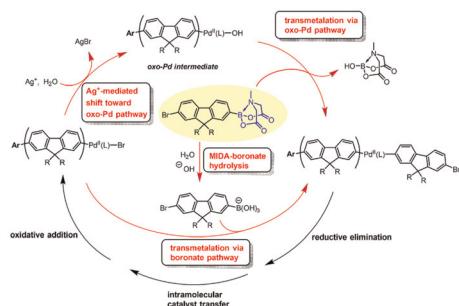
Cascade synthesis of architecture-transformable thermo-labile multisite multiblock copolymers

Lu Lian, Jiaman Hu, Yong Lin and Youliang Zhao*



PAPERS

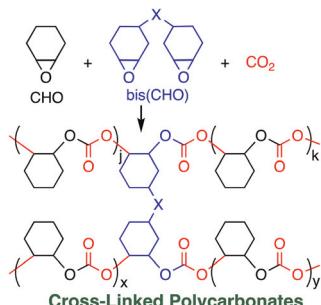
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Suzuki–Miyaura catalyst-transfer polymerization: new mechanistic insights

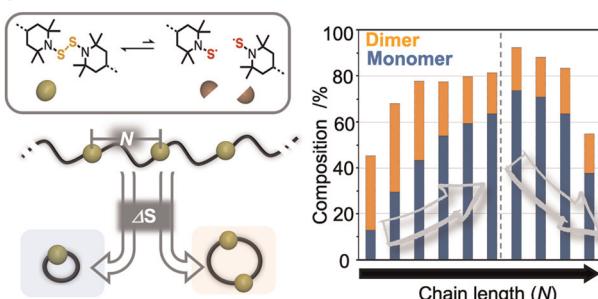
Mitchell T. Howell, Peter Kei, Maksim V. Anokhin, Yaroslav Losovyj, Frank R. Fronczek and Evgeni E. Nesterov*

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Catalytic synthesis and physical properties of CO₂-based cross-linked poly(cyclohexene carbonate)s

Chihiro Maeda,* Kenta Kawabata, Kaito Niki, Yuma Sako, Takumi Okihara* and Tadashi Ema*

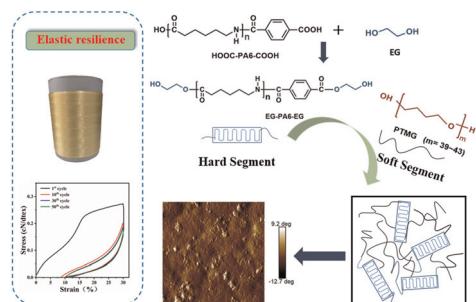
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Ring-chain equilibria of dynamic macrocycles with a bis(hindered amino)disulfide linker

Rikito Takashima, Daisuke Aoki,* Shigeki Kuwata and Hideyuki Otsuka*

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Flexible preparation of PA6-based thermoplastic elastomer filaments with enhanced elasticity, melt spinnability and transparency enabled by high-molecular-weight soft segments

YaLi Liu, Run Zhao, Yuan Liu, Xueli Wang, Dequn Wu, Lifang Liu, Jianyong Yu, Faxue Li and Ruchao Yuan*



PAPERS

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Synthesis of hypercrosslinked polymers with a spherical shell structure for highly effective cycloaddition of CO_2 under ambient conditions

Shuqing Li, Zhen Zhan, Xiaoyan Wang* and Bien Tan*

