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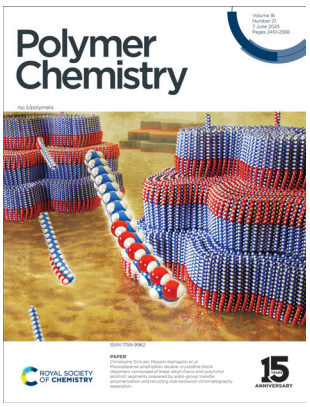

Cover
See Christophe Sinturel, Masami Kamigaito *et al.*, pp. 2471–2479.

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REVIEW

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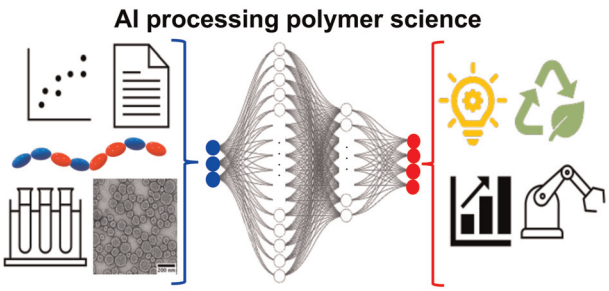
Basic concepts and tools of artificial intelligence in polymer science

Khalid Ferji



PAPERS

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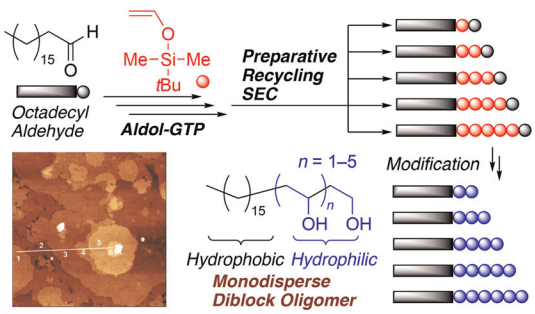
Monodisperse amphiphilic double-crystalline block oligomers composed of linear alkyl chains and poly(vinyl alcohol) segments prepared by aldol-group transfer polymerization and recycling size-exclusion chromatography separation

Toa Nakane, Hironobu Watanabe, Mineto Uchiyama, Fabrice Muller, Nathalie Mathieu, Christophe Sinturel* and Masami Kamigaito*



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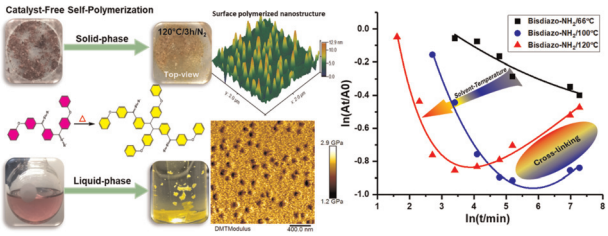
PAPERS

2480

Polymerization behaviour of biscarbenes derived by thermolysis of bisdiazo compounds

Xiaosong Liu, Mark G. Moloney* and Koji Okuda



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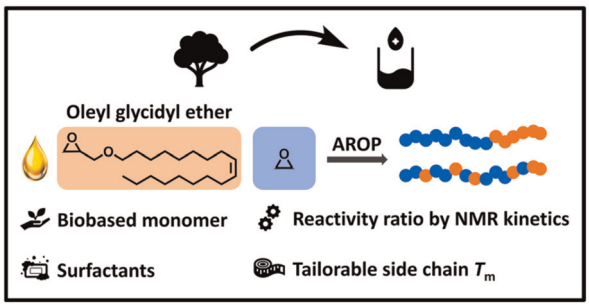
Biobased oleyl glycidyl ether: copolymerization with ethylene oxide, postmodification, thermal properties, and micellization behavior

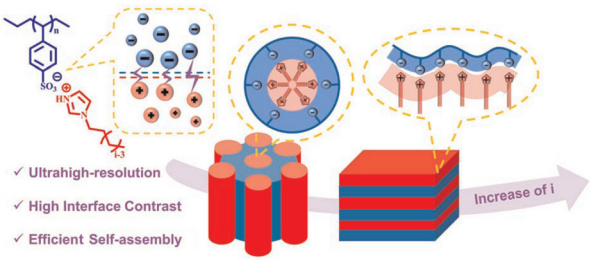
Gregor M. Linden, Sandra Schüttner, Nora Fribiczer, Sebastian Seiffert and Holger Frey*



2506

Ultrahigh-resolution, high interface contrast ionic homopolymers induced by acid–base mixed electrostatic interactions and nanopattern evolution

Sen Weng, Zhen Lu, Jingyu Cai, Longqiang Xiao, Kairui Wang, Rui Zhao, Xin Fu and Linxi Hou*



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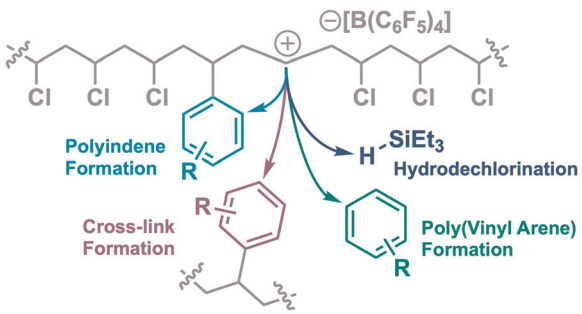
Understanding the competition between hydrodechlorination and Friedel–Crafts alkylation in PVC dechlorination with silylium ions

Nicholas J. Roubineau, Eunice C. Castro, Kaustubh Rane, Zachary A. Wood, Angelyn N. Nguyen, Nancy G. Bush, Ayon Das, Shaama Mallikarjun Sharada* and Megan E. Fieser*



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PAPERS

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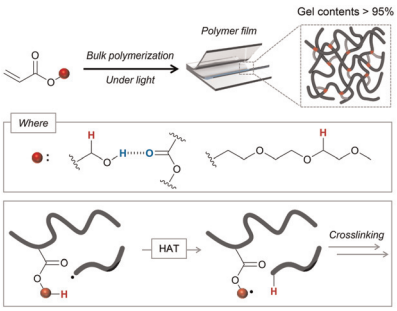

Crosslinking of polymers from monofunctional acrylates *via* C–H bond activation

Junkyu Kim, Seokju Lee, Youngjoo Park, Woojin Jeon and Min Sang Kwon*

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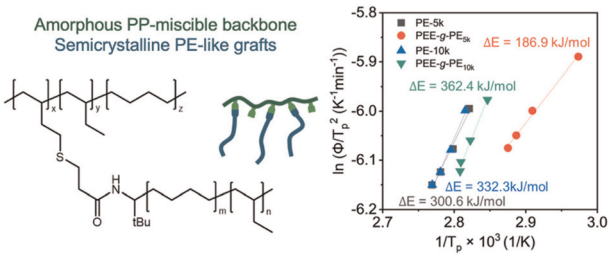

Synthesis of butadiene-derived polyolefin graft copolymers and their crystallization behaviors

Jin Qian and Zhe Qiang*

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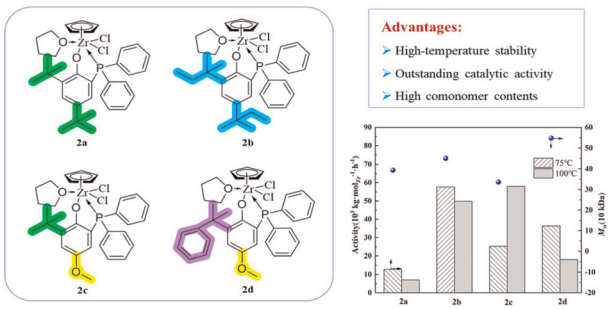

Synthesis, characterization and efficient catalytic ethylene polymerization reactions of phenylphosphine half-metallocene zirconium complexes

Di Wu, Xiaohui Mao, Biao Li, Xianghan Zhang, Zihao Jiang, Li Pan* and Yuesheng Li*

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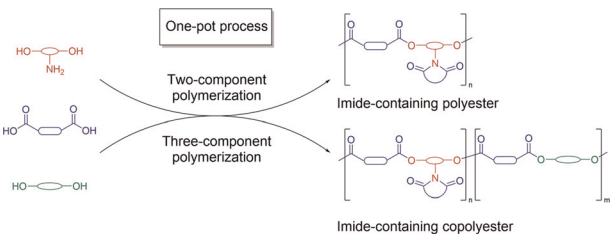

Sustainable one-pot synthesis of imide-containing polyesters with programmable structures and tunable performance

Tianhua Ren,* Feng Yu, Jialong Li, Jinlin Li and Kechun Zhang*

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