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Cover
See Patrick Théato *et al.*, pp. 2075–2082.

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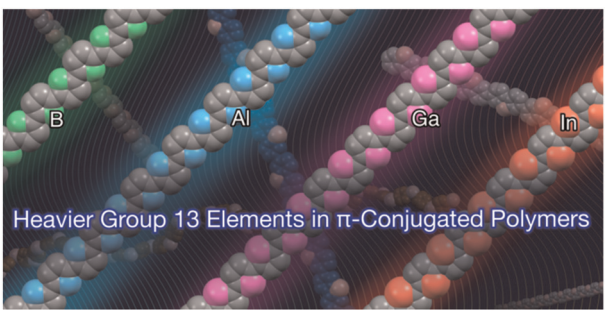
REVIEWS

2046

π-Conjugated polymers consisting of heavier group 13 elements

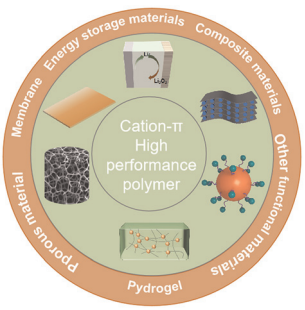
Shunichiro Ito and Kazuo Tanaka*



2058

Cation–π interactions in polymer science: from fundamental insights to material applications

Tianhang Zhou, Ning Wang, Yang Gao* and Xiaoan Li*



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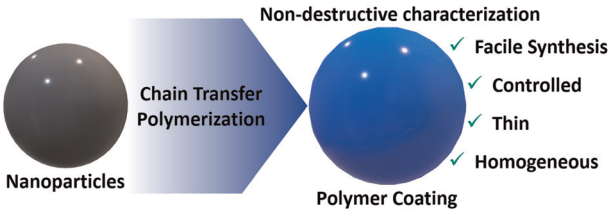
PAPERS

2075

Revisiting polymer coatings on nanoparticles: correlation between molecular weight and coating thickness in chain transfer polymerizations

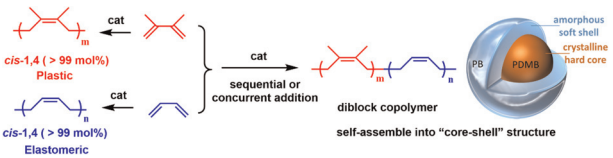
Daniel Döpping, Andreas Stihl, Dominik Voll, Felix H. Schacher and Patrick Théato*



2083

Plastic–rubber diblock copolymers obtained from copolymerization of dimethyl-1,3-butadiene and butadiene using rare-earth metal catalysts

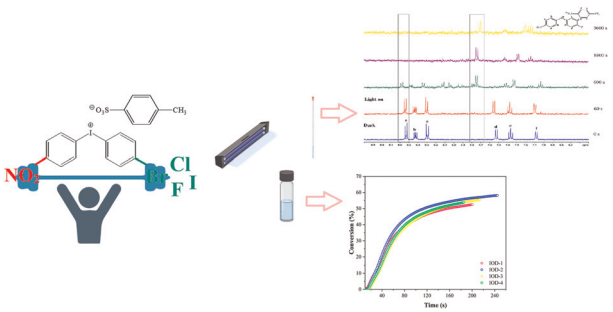
Jiao Zong, Benmin Hu, Shihui Li, Lei Li, Bo Liu* and Dongmei Cui*



2089

Dual role of novel highly efficient radical generators for UV/LED-activated polymerization processes

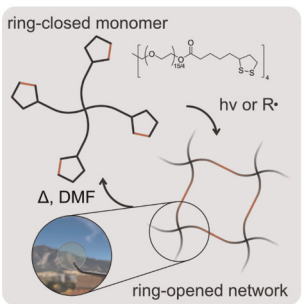
Alicja Balcerak-Woźniak* and Janina Kabatc-Borcz



2108

Multifunctional dithiolane monomers for multi-scale, recyclable light-driven additive manufacturing

Benjamin R. Nelson, Jaxon T. Cione, Bruce E. Kirkpatrick, Kendra M. Kreienbrink, Abhishek P. Dhand, Jason A. Burdick, C. Wyatt Shields IV, Kristi S. Anseth and Christopher N. Bowman*



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PAPERS

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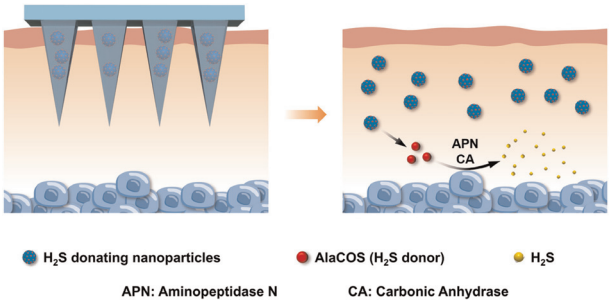

Microneedle-mediated transdermal H_2S gas therapy for psoriasis

Yanlin Wang, Fan Rong, Xiaoyi Sun, Duohang Bi, Yin Wang,* Yijing Liu* and Jintao Zhu*

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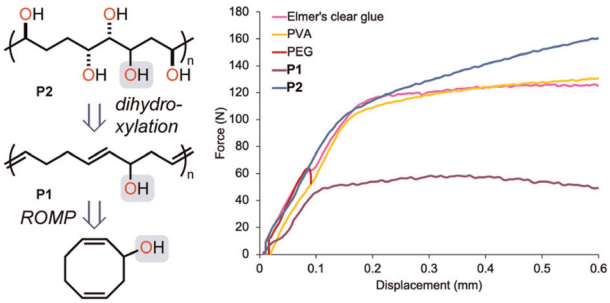

Directed dihydroxylation of a poly(cyclooctadienol) toward densely-hydroxylated polyol adhesives

Lauren S. Cooke and Aleksandr V. Zhukhovitskiy*

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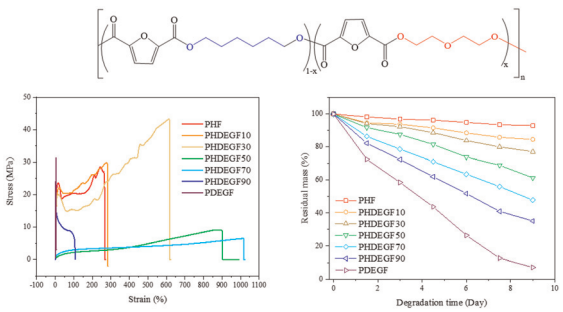

Novel biobased poly(hexamethylene-*co*-diethylene glycol furandicarboxylate) copolyesters with improved mechanical properties and hydrolytic degradation rates

Shiwei Feng, Haidong Yang and Zhaobin Qiu*

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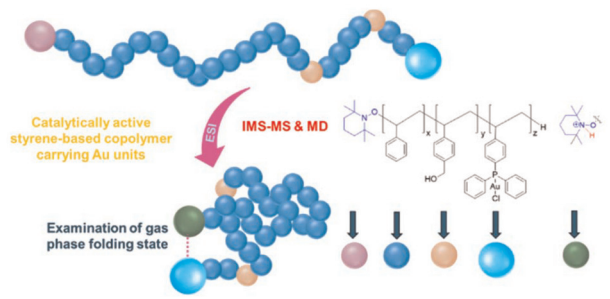

Ion mobility mass spectrometry coupled with molecular dynamics simulations: in-depth structural analysis of polystyrene-based Au-containing copolymers

Sarajit Naskar, Aidan Izuagbe, Vincent Lemaur, Quentin Duez, Andrea Minoia, Julien De Winter, Stephen J. Blanksby, Jérôme Cornil, Christopher Barner-Kowollik* and Pascal Gerbaux*

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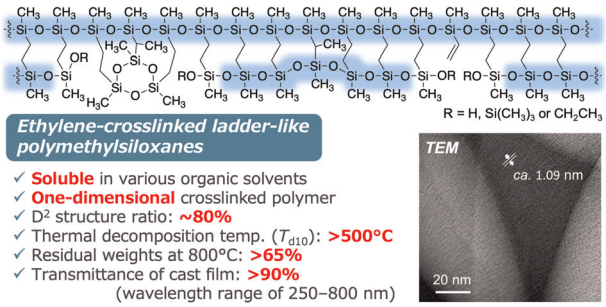
Preparation of highly thermally stable and soluble ethylene-crosslinked ladder-like polymethylsiloxanes *via* template polymerisation

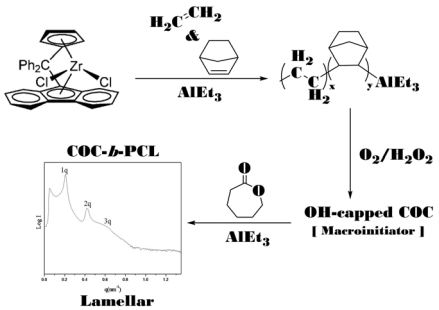
Sho Nonaka, Kazuhiro Shikinaka, Tomoyasu Hirai and Yoshiro Kaneko*



2162

Synthesis and self-assembly of a diblock copolymer consisting of a cyclic olefin copolymer and polycaprolactone

Yung-Chuan Chuang, Jing-Wen Su, Yu-Chuan Sung, Jing-Cherng Tsai,* Jian-Wei Huang, Sheng-Wei Shao and Rong-Ming Ho*



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