

Polymer Chemistry

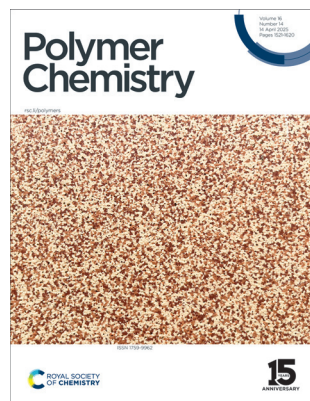
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Cover

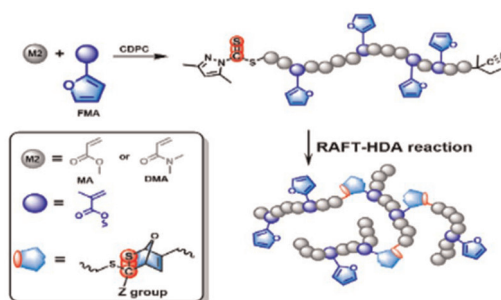
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PAPERS

1527

Regioselective RAFT–HDA: a new approach to synthesize hyperbranched polymers with precise topology control

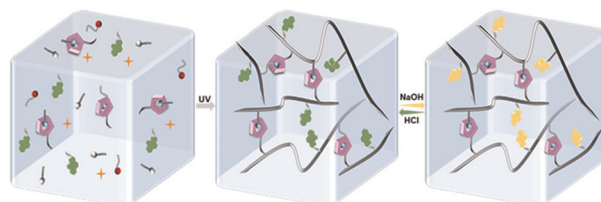
Jiayi Zhang, Ruyue Cao, Xiaowei Wang, Yixuan Wang and Anchao Feng*



1537

Supramolecular multicolor fluorescent hydrogels with a single fluorescent group based on host–guest interactions

Shunli Jiang, Xinglin Chen, Ping Geng, Huijing Han, Meiran Xie and Xiaojuan Liao*



Environmental Science: Atmospheres

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Fundamental questions
Elemental answers

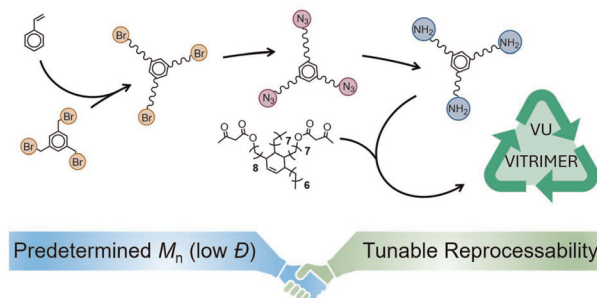


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1546

Synthesis of triamine-functionalized rigid crosslinkers for materials science

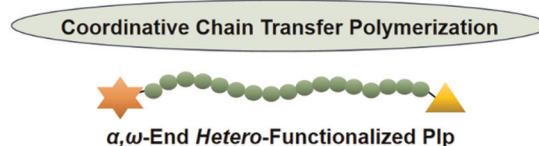
Niccolò Braidì,* Aitor Hernández, Giulia Scurani, Francesca Parenti, Nezha Badi and Filip E. Du Prez*



1556

Synthesis of α,ω -end hetero-functionalized polyisoprene via neodymium-mediated coordinative chain transfer polymerization

Haidong Zhang, Xiuhui Zhang, Hao Zheng, Feng Wang, Xindi Wei, Xuequan Zhang and Heng Liu*

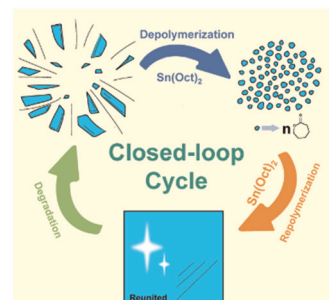


- ✓ Chain structure is parallel to that of natural rubber;
- ✓ High *cis*-1,4-selectivity;
- ✓ Precisely controlled M_n and narrow PDI;
- ✓ Diversity in end-functional groups;

1568

An efficient “depolymerization–polymerization” closed-loop recycling strategy for selective degradation of polycaprolactone

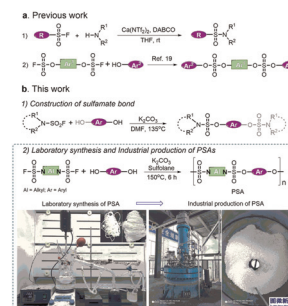
Chaoyi Cai, Jiaming Ma, Xiuzhu Liang, Shuyan Zhang, Heng Zhang, Congyun Zhang* and Shuidong Zhang*



1578

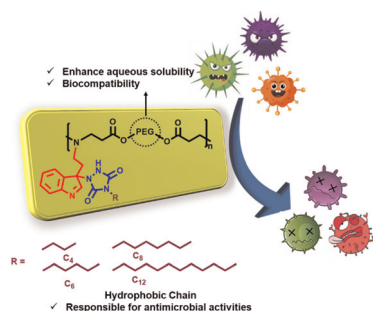
Efficient and simplified strategy to access novel polysulfamate materials: from laboratory research to industrial production

Xingyu Ma, Pengqiang Liang, Zhongqiang Zhao, Jinwei Chen, Xueqing Wang, Yunbin Zhou, Xianxing Jiang* and Weiwei Zhu*



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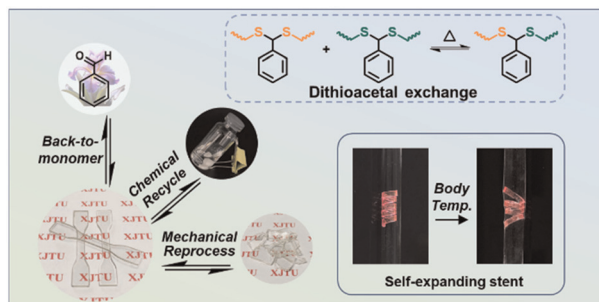
1584



Conversion of oligo(ethyleneglycol)s into non-toxic highly selective biocompatible poly(ethyleneglycol)s: synthesis, antimicrobial and antibiofilm activity

Sulbha Kumari, Arpita Halder, Aayush Anand, Oindrilla Mukherjee* and Subrata Chattopadhyay*

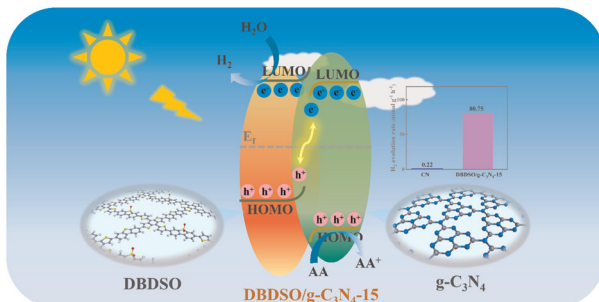
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Bio-based recyclable polydithioacetal covalent adaptable networks with activation-temperature-tunable shape memory properties

Chenhui Cui, Xiejun Zhao, Xinyi Wang, Yinzhou Guo, Kexiang Chen, Jia Ma, Xueping Yan, Yilong Cheng, Zhishen Ge and Yanfeng Zhang*

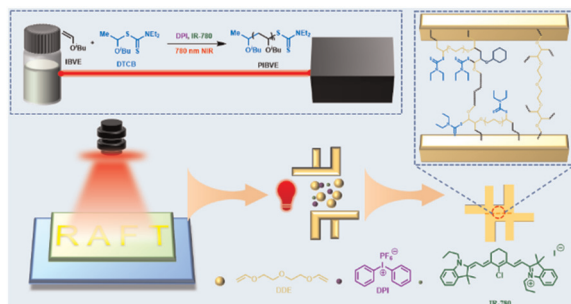
1603



Construction of the donor-acceptor type conjugated porous polymer/g-C₃N₄ S-scheme heterojunction for efficient photocatalytic hydrogen production

Yinfeng Han,* Miao Liu, Aihuan Sun, Fei Zhao,* Jinsheng Zhao and Chang-An Wang*

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Metal-free near-infrared-induced radical-promoted cationic RAFT polymerization for high penetration photocuring

Shiliang He, Ying Zhu, Yuxin Lu, Zhenwei Shi, Yuan Wang, Jiajia Li,* Jian Zhu* and Na Li*

