Polymer Chemistry

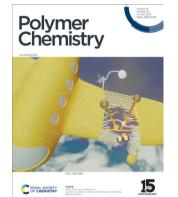
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Cover See Alaitz Ruiz de Luzuriaga et al., pp. 2701-2717.

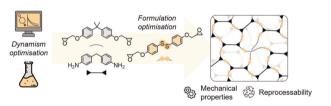
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PAPERS

2701

Dynamic by design: unlocking full relaxation in disulfide epoxy networks

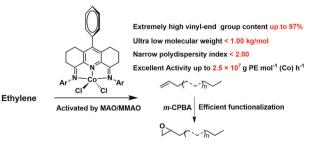
Paula Fanlo, Osman Konuray, Olaia Ochoteco, Marta Ximenis, Alaitz Rekondo, Hans Jürgen Grande, Xavier Fernández-Francos, Haritz Sardon and Alaitz Ruiz de Luzuriaga*



2718

Ultra-low-molecular-weight PE wax using a cyclohexyl-fused bis(imino)pyridine-cobalt catalyst functionalized with a remote para-phenyl group

Yizhou Wang, Zheng Wang, Qiuyue Zhang, Quanchao Wang, Gregory A. Solan,* Xuelei Duan, Yanping Ma, Jiahao Gao, Zhe Zhou and Wen-Hua Sun*





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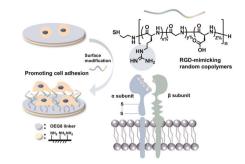


PAPERS

2732

RGD peptide-mimicking random copolymers synthesized via rapid and controllable NCA polymerization to promote cell adhesion

Wenhui Dai, Yueming Wu,* Kang Chen, Xinvi Xie, Luhang Chen, Minzhang Chen, Jiangzhou Wang, Dan Wang and Runhui Liu*



2742

Commercial organic Lewis-pair catalysts for efficient ring-opening polymerization of 1,2-butylene oxide

Xiangiang Zeng, Chen Liu, Xue Wang, Yan Cao, Zheng Zheng, Peng He, Huiquan Li and Liguo Wang*

High molecular weight PBO

How molecular weight PBO

$$M_n = 51.5 \text{ kg mol}^{-1}$$
, $D \le 1.13$
 $M_n = 51.5 \text{ kg mol}^{-1}$, $D \le 1.13$
 $M_n = 1.4-3.5 \text{ kg mol}^{-1}$, $D \le 1.05$

2751

Synthesis of electron-deficient polymers based on sulfur-bridged dithienylboranes as a building block

Yohei Adachi,* Ryuji Matsuura, Mitsuru Sakabe, Hiroki Tobita, Hideki Murakami and Joji Ohshita*

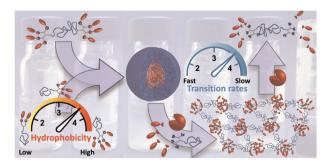
Conjugation via boron p orbital

Low-lying LUMO

2757

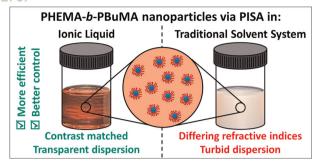
Programming cascade mesophase transitions of enzyme-responsive formulations via molecular engineering of dendritic amphiphiles

Krishna Vippala, Nicole Edelstein-Pardo, Shahar Tevet, Parul Rathee, Gil Koren, Roy Beck and Roey J. Amir*



PAPERS

2767



Transparent diblock copolymer nanoparticle dispersions *via* efficient RAFT emulsion polymerisation in ionic liquid

Anisha Patel, Georgia L. Maitland, Evelina Liarou, Paul D. Topham and Matthew J. Derry*

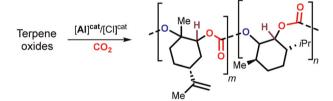
2778



"Grafting-from" synthesis of polyvinyl ether bottlebrush polymers *via* a combination of cationic polymerization and ATRP

Junqi Huang, Wenpei Xiao, Zan Yang, Xi Yan, Liuyin Jiang* and Saihu Liao*

2784



control over *m:n* ratio • use of different (a)cyclic terpenes • selective and quantitative depolymerization

Synthesis and depolymerization studies of biohybrid polycarbonates derived from terpenes

Thirusangumurugan Senthamarai, Enrico Lanaro, Jack Tinker, Antoine Buchard and Arjan W. Kleij*