Polymer Chemistry

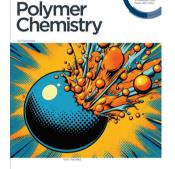
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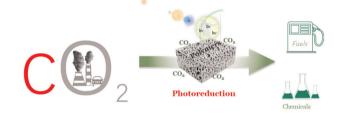
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MINIREVIEW

4877

Organic polymer facilitated CO₂ photoreduction: a minireview

Wenfeng Zhao, Qinmei Ge, Hu Li, Nan Jiang, Shangwei Chen,* Song Yang* and Hang Cong*

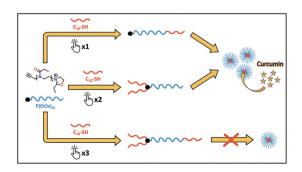


PAPERS

4890

Amphiphilic oligo(2-ethyl-2-oxazoline)s via straightforward synthesis and their self-assembly behaviour

James Lefley, Zivani Varanaraja, Ben Drain, Steven Huband, James Beament and C. Remzi Becer*



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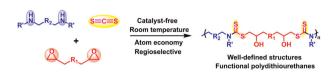


PAPERS

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Catalyst-free, atom-economical and regioselective multicomponent polymerizations of diamines, CS₂, and diepoxides toward functional polydithiourethanes

Xu Zhao, Linlin Wang, Guodong Zhou, Shengyu Feng and Lei Li*



4906

Photoredox Diels-Alder ladder polymerization

Emily R. McClure, Pradipta Das, Karam B. Idrees, Dahee Jung, Omar K. Farha and Julia A. Kalow*

radical cation [4+2] diene dienophile

initiator

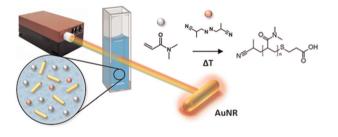
monomer

- highly saturated backbones
- M_n up to 4,400 g/mol for electron-rich Ar
- macromonomers for cationic polymerization

4912

Wavelength-resolved near infra-red light induced free-radical polymerization

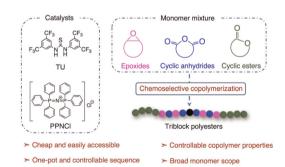
Philipp Neidinger, Joshua Davis, Joshua A. Carroll, Jochen Kammerer, Esa Jaatinen, Sarah L. Walden,* Andreas-Neil Unterreiner* and Christopher Barner-Kowollik*



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Self-switchable polymerization catalysis with monomer mixtures: using a metal-free commercial thiourea catalyst to deliver block polyesters

Xue Liang, Wenli Wang, Dan Zhao, Hengxu Liu and Yunqing Zhu*



PAPERS

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Bulk depolymerization of graft polymers based on trans-cyclobutane-fused cyclooctene

Zeyu Wang and Junpeng Wang*

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Lewis acid modulation in phosphorus phenol nickel catalyzed ethylene polymerization and copolymerization

Wenbing Wang, Nan Nie, Menghe Xu* and Chen Zou*