

Polymer Chemistry

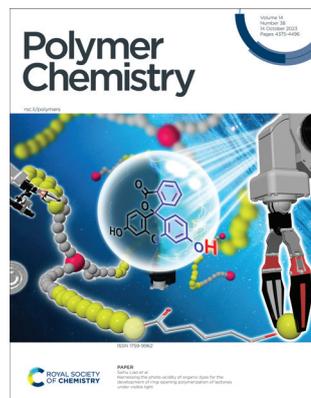
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Cover

See Saihu Liao *et al.*,
pp. 4414–4418.

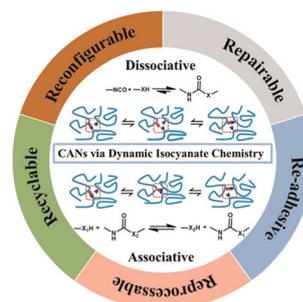
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4414.

REVIEW

4381

Covalent adaptive networks with repairable, reprocessible, reconfigurable, recyclable, and re-adhesive (5R) performance via dynamic isocyanate chemistry

Jialiang Lai, Xijin Xing, Huanzhi Feng, Zhanhua Wang* and Hesheng Xia*

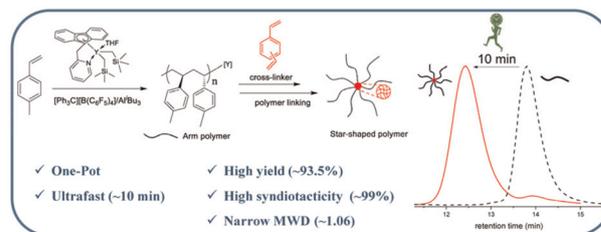


COMMUNICATION

4407

Ultrafast synthesis of core cross-linked star poly(*p*-methylstyrene) with high syndiotacticity through living coordination polymerization

Yi Wu, Bo Liu* and Dongmei Cui*



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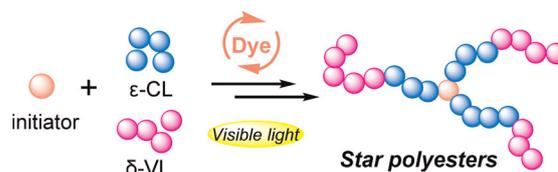


PAPERS

4414

Harnessing the photo-acidity of organic dyes for the development of ring-opening polymerization of lactones under visible light

Zhaogang Liu, Xun Zhang, Pan Sun, Junwei Han and Saihu Liao*

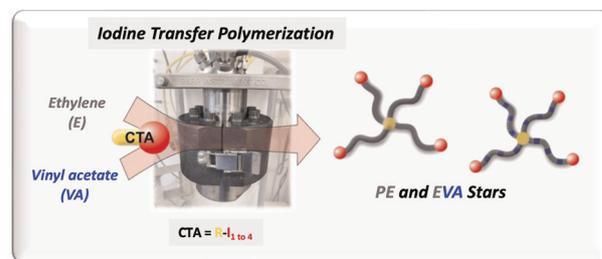


Harnessing the *photoacid* property of *organic dyes* for the development of *ring-opening polymerization* of *lactones*

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Polyethylene and poly(ethylene-co-vinyl acetate) star polymers by iodine transfer polymerization

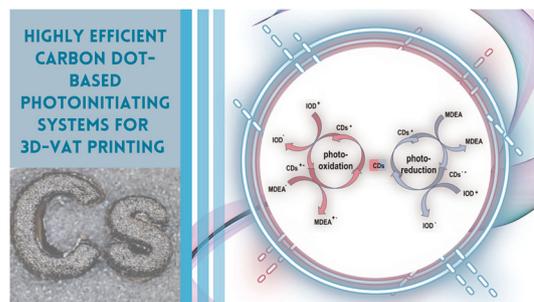
Florian Baffie, Olivier Boyron, Muriel Lansalot, Vincent Monteil and Franck D'Agosto*



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Highly efficient carbon dot-based photoinitiating systems for 3D-VAT printing

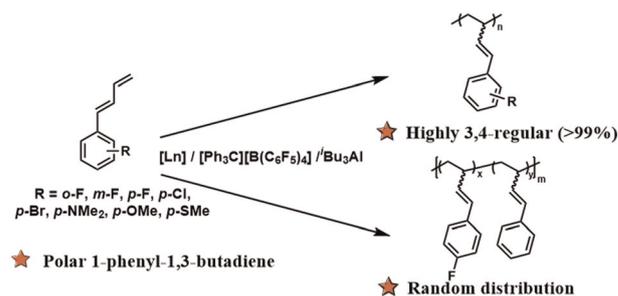
Dominika Krok, Wiktorja Tomal, Alexander J. Knight, Alexander I. Tartakovskii, Nicholas T. H. Farr, Wiktor Kasprzyk and Joanna Ortyl*



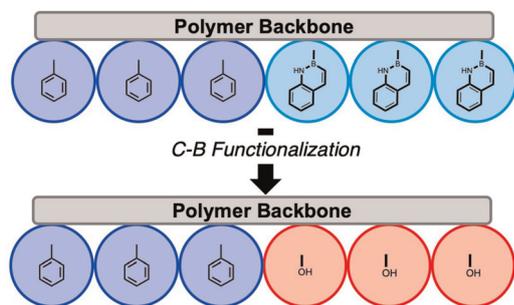
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Rare-earth-metal-catalyzed highly 3,4-regioselective polymerization of polar 1-phenyl-1,3-butadiene derivatives

Fen You, Xiaoyu Wang, Wenyu Shi, Xuyang Yan and Xiaochao Shi*



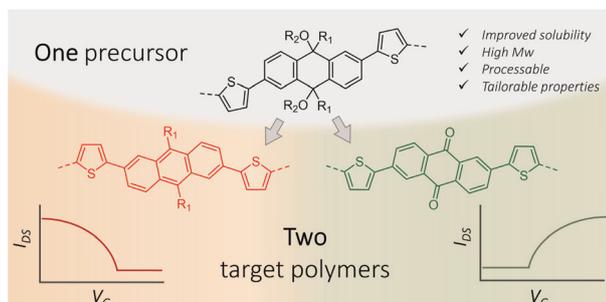
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RAFT polymerization of an aromatic organoborane for block copolymer synthesis

Sophia J. Melvin, Braden A. Mediavilla, Em G. Ambrosius, Qifeng Jiang, Fan Fang, Yuyang Ji, Tushita Mukhopadhyaya, Howard E. Katz and Rebekka S. Klausen*

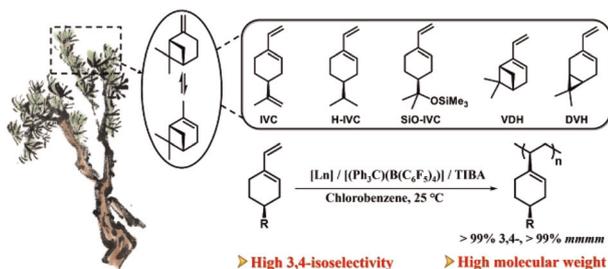
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Preparation of different conjugated polymers characterized by complementary electronic properties from an identical precursor

Marco Carlotti,* Tommaso Losi, Francesco De Boni, Federico Maria Vivaldi, Esteban Araya-Hermosilla, Mirko Prato, Andrea Pucci, Mario Caironi and Virgilio Mattoli

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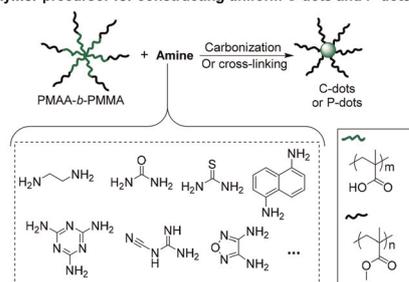


Rare-earth-metal catalyzed highly regio- and stereoselective polymerization of terpene-derived conjugated dienes

Hui Liu, Fen You, Wenyu Shi, Xiang Hu, Yat-Ming So* and Xiaochao Shi*

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Polymer precursor for constructing uniform C-dots and P-dots



A universal polymer precursor strategy for precise synthesis of uniform hairy carbon dots and polymer dots

Xueer Zhu, Ying Zou, Shanshan Zeng, Yifu Huang, Lilin Tan and Hefeng Zhang*

