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Cover

See Saihu Liao *et al.*,
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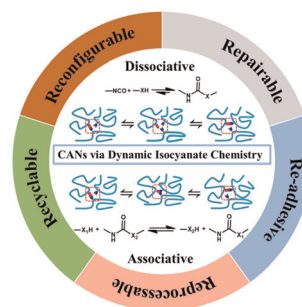
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Polym. Chem., 2023, **14**,
4414.

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*

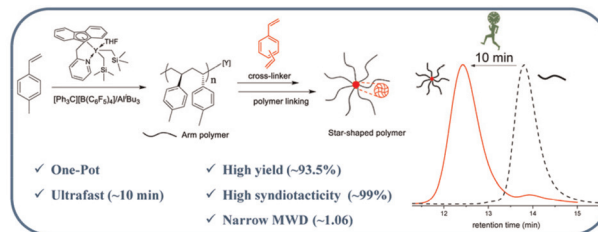


COMMUNICATION

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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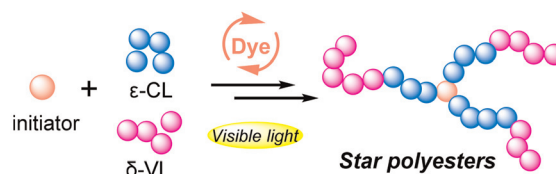


PAPERS

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*

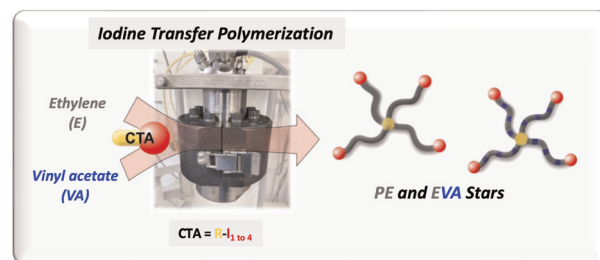


Harnessing the photoacid property of organic dyes for the development of ring-opening polymerization of lactones

4419

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

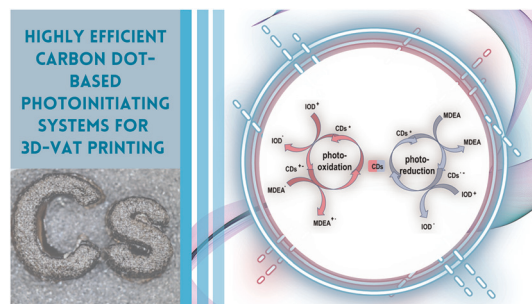
Florian Baffie, Olivier Boyron, Muriel Lansalot, Vincent Monteil and Franck D'Agosto*



4429

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

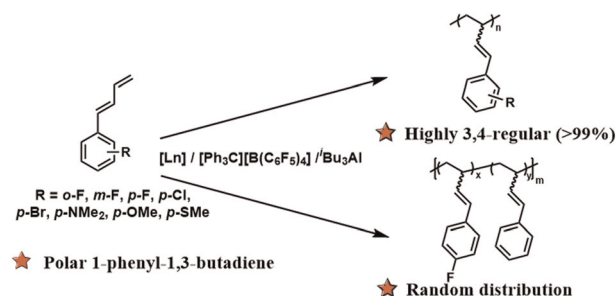
Dominika Krok, Wiktoria Tomal, Alexander J. Knight, Alexander I. Tartakovskii, Nicholas T. H. Farr, Wiktor Kasprzyk and Joanna Ortyl*



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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*



Polymer Backbone

C-B Functionalization

Polymer Backbone

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

One precursor

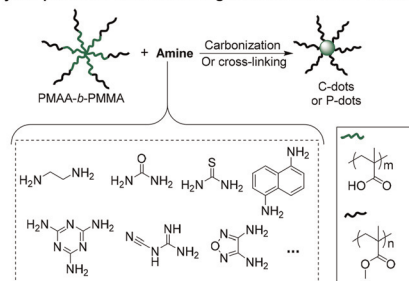
Two target polymers

- ✓ Improved solubility
- ✓ High Mw
- ✓ Processable
- ✓ Tailorable properties

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

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

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



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