

Polymer Chemistry

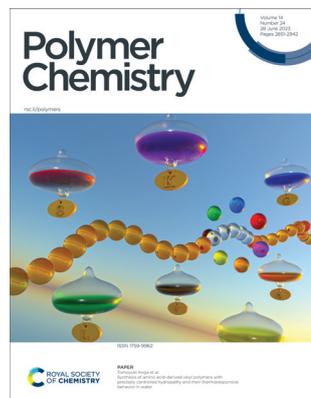
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IN THIS ISSUE

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Cover

See Tomoyuki Koga *et al.*, pp. 2857–2864.

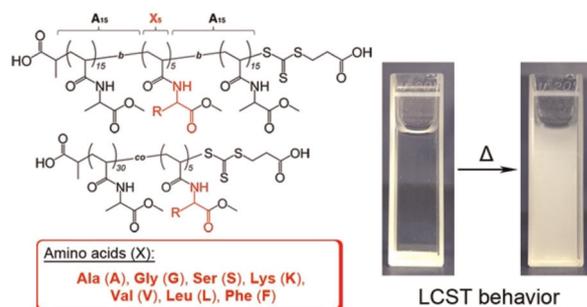
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PAPERS

2857

Synthesis of amino acid-derived vinyl polymers with precisely controlled hydrophathy and their thermoresponsive behavior in water

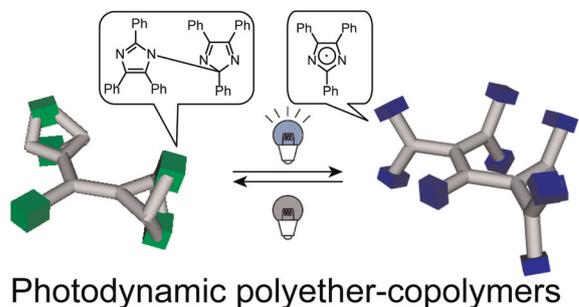
Atsushi Sawamoto, Shin-nosuke Nishimura, Nobuyuki Higashi and Tomoyuki Koga*



2865

Synthesis of photodynamic intramolecularly crosslinked polyether-copolymers in-chain functionalized with hexaarylbiimidazoles

Minami Oka and Satoshi Honda*



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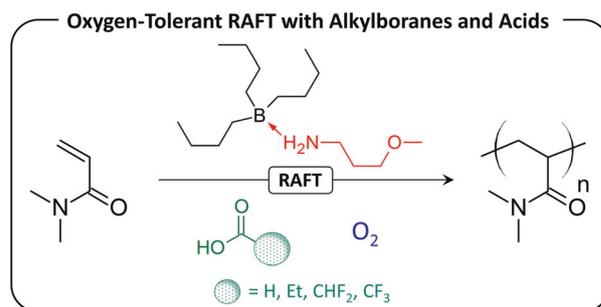


PAPERS

2872

Alkylborane initiated RAFT polymerization: impact of carboxylic acid deblockers

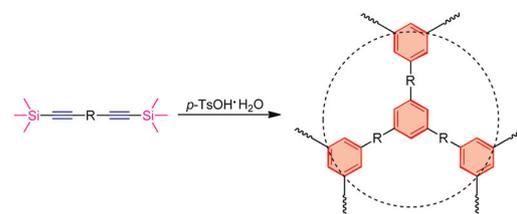
Olivia R. Wilson and Andrew J. D. Magenau*



2878

Metal-free polycyclotrimerization of trimethylsilyl-protected diynes: a facile strategy toward regioregular hyperbranched polyarylenes

Lu Wang, Yongliang Zhan, Linhui Zhang and Hongkun Li*

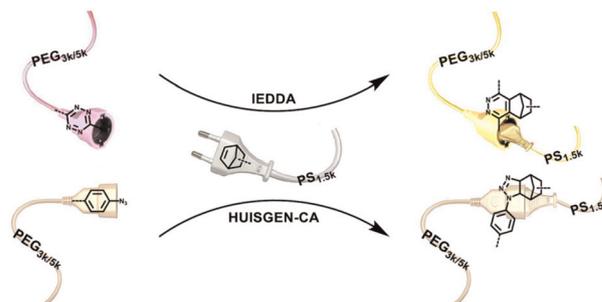


- ✓ Metal-free
- ✓ Easy availability
- ✓ Single component system
- ✓ Regiospecificity
- ✓ High molecular weights
- ✓ High degrees of branching
- ✓ Good solubility
- ✓ Electrochemical activities
- ✓ Aggregation-induced emission

2888

Tetrazine-norbornene versus azide-norbornene ligation: evaluating the toolbox for polymer-polymer coupling

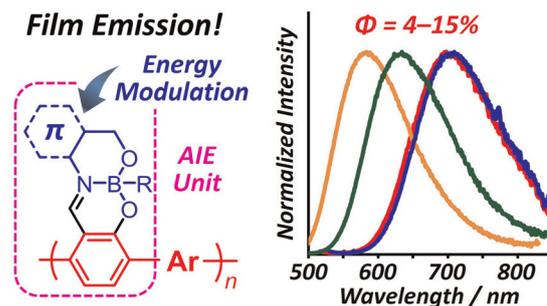
Steffen A. Busche, Stefan Peplau, Luc Zuhse, Désirée Steimer, Dennis D. August and Hans G. Börner*



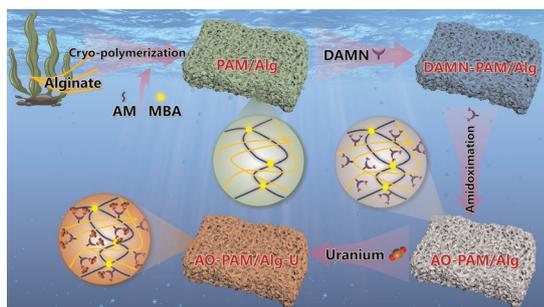
2893

Selective modulation of energy levels of frontier orbitals in solid-state luminescent boron-fused azomethine polymers with orthogonal orientations to the main chains

Masayuki Gon, Misato Kanjo, Shunsuke Ohtani, Kazuo Tanaka* and Yoshiki Chujo



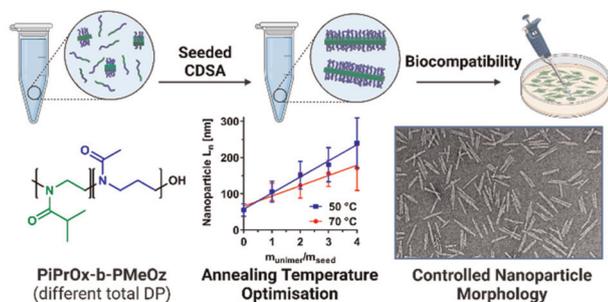
2902



Alginate-based supermacroporous hydrogels fabricated by cryo-polymerization for uranium extraction from seawater

Xu Zhang, Dagang Li, Chang Cui, Shusen Chen, Meng Ji, Weiwu Tang, Le Yang, Fengqi Zhang, Jinying Li, Dongxiang Zhang* and Xiyan Xu*

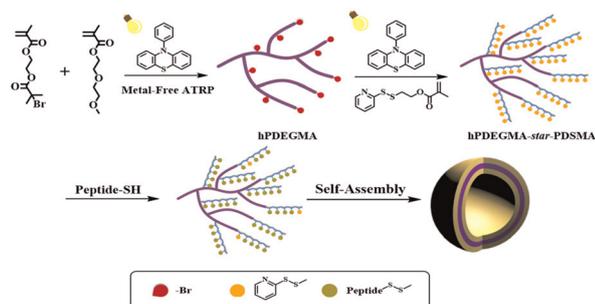
2916



Length-tuneable biocompatible block copolymer nanorods with a poly(2-methyl-2-oxazine)-corona via heat-induced crystallisation-driven self-assembly

Nicole M. Warne, Aaron Elbourne, Mai P. Tran, John R. Finnegan, Orlagh M. Feeney* and Kristian Kempe*

2930



Synthesis and self-assembly of hyperbranched multiarm copolymer peptide conjugates based on light-induced metal-free ATRP

Yue Zhang,* Rong Zhao, Yan Qin, Jianguo Yi, Jimin Zhang* and Xiaoai Chen

