

# Polymer Chemistry

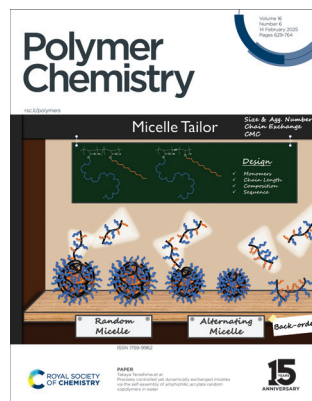
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## Cover

See Takaya Terashima *et al.*,  
pp. 652–660.

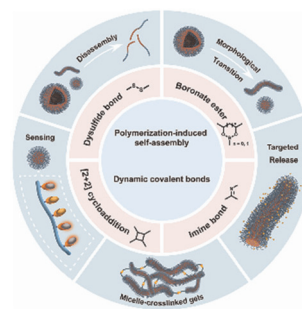
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## REVIEW

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## Polymerization-induced self-assembly nanomaterials based on dynamic covalent bonds

Zhenyu Wan, Nankai An, Chang Xu, Mingxin Zheng and  
Jinying Yuan\*

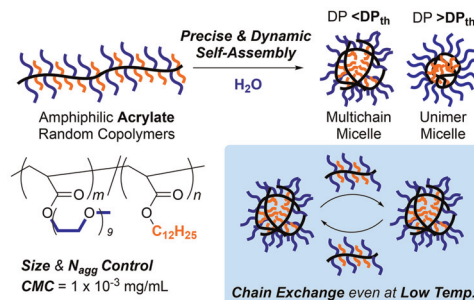


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# Precisely controlled yet dynamically exchanged micelles *via* the self-assembly of amphiphilic acrylate random copolymers in water

Hiroyuki Kono, Makoto Ouchi and Takaya Terashima\*



GOLD  
OPEN  
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# RSC Applied Polymers

**The application of polymers,  
both natural and synthetic**

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**Fundamental questions  
Elemental answers**

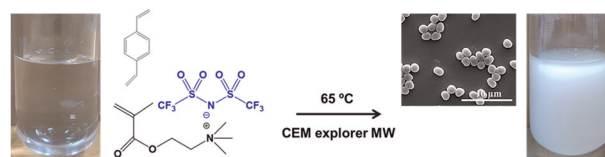


## PAPERS

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# One-step preparation of anisotropic snowman-like poly(ionic liquid) microspheres via microwave-assisted dispersion polymerization

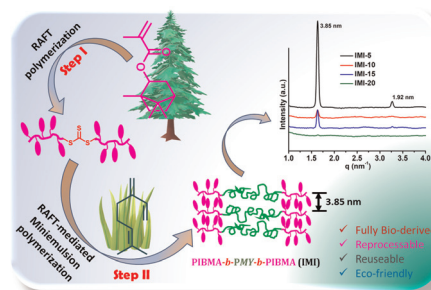
Xufeng Hu, Jingyi Li, Xiaopeng Zhao and Jianbo Yin\*



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# A potential biobased thermoplastic elastomer based on $\beta$ -myrcene via RAFT-mediated miniemulsion polymerization

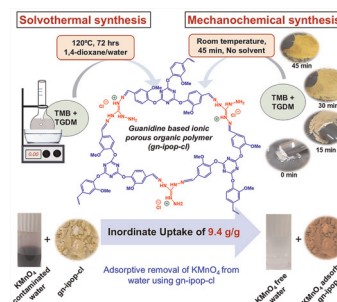
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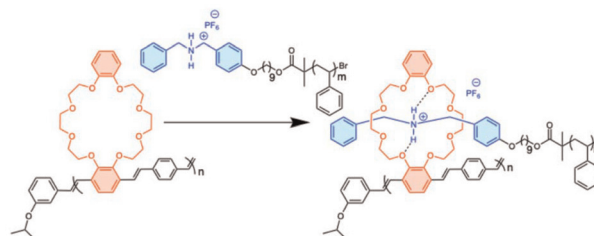
P. S. Nandamol and Mintu Porel\*



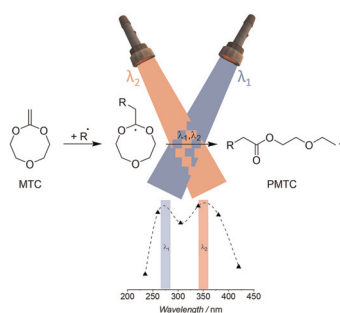
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# Supramolecular bottlebrush copolymers from crown-ether functionalized poly(*p*-phenylenevinylene)s

Anahita Keer, Arielle Mann, Chengyuan Wang and Marcus Weck\*



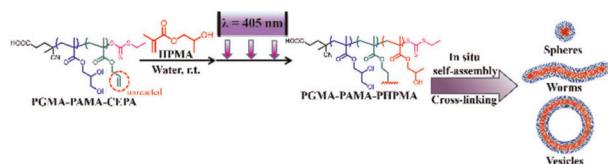
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### Photochemical action plots evidence UV-promoted radical ring-opening polymerisation of cyclic ketene acetals

Till Meissner, Peter Friedel, Joshua A. Carroll, Christopher Barner-Kowollik\* and Jens Gaitzsch\*

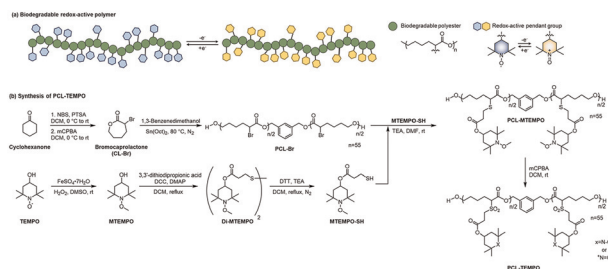
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### Polymerization-induced self-assembly mediated by vinyl-functionalized macromolecular chain transfer agents: a straightforward approach to prepare cross-linked block copolymer nanoparticles with tunable morphologies

Honggao Huang, Liwei Luo, Li Zhang\* and Jianbo Tan\*

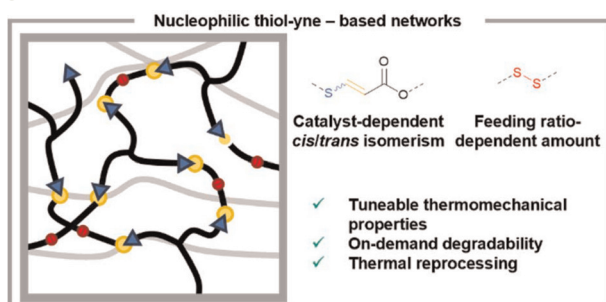
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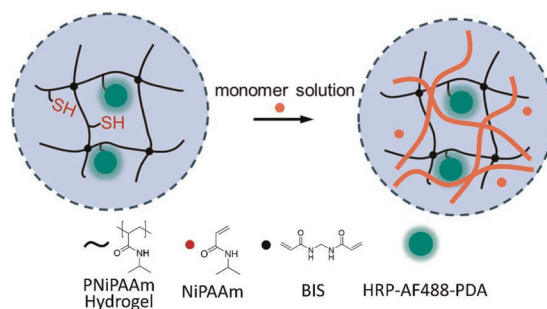
Daniele Giannantonio, Arianna Brandolese and Andrew P. Dove\*



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Francesc Borrull, Peter A. G. Cormack,\* Alan Corrigan, Calum Craig, Núria Fontanals, Rosa Maria Marcé,\* Alberto Moral and Greg Smith

