

# Polymer Chemistry

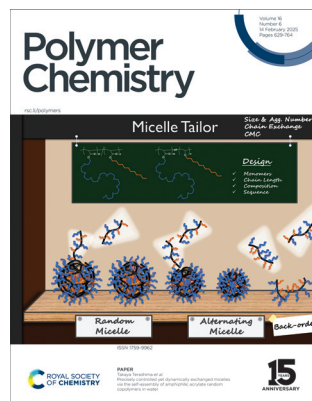
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## IN THIS ISSUE

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### Cover

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

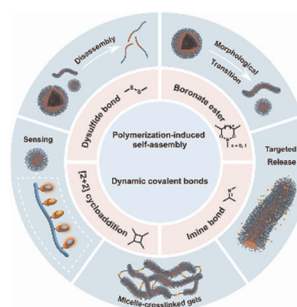
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## REVIEW

636

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

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

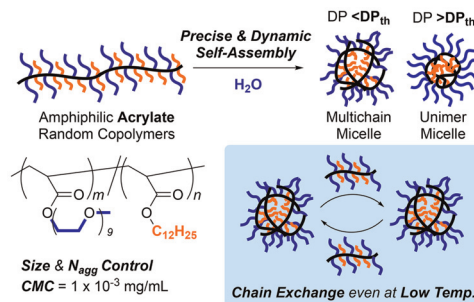


## PAPERS

652

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

Hiroyuki Kono, Makoto Ouchi and Takaya Terashima\*



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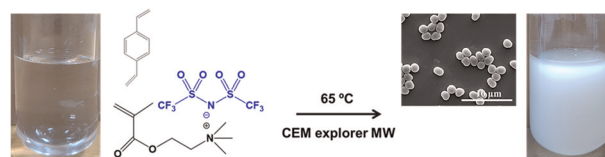
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Fundamental questions  
Elemental answers

661

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

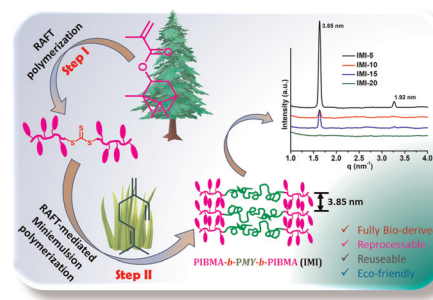
Xufeng Hu, Jingyi Li, Xiaopeng Zhao and Jianbo Yin\*



675

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

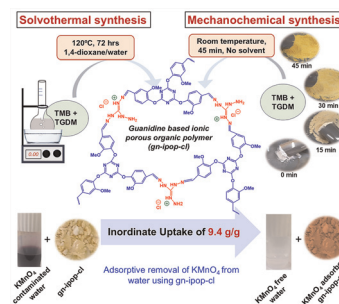
Uddhab Kalita, Sarthik Samanta, E. Bhoje Gowd, Narayan Ch. Das and Nikhil K. Singha\*



687

### Guanidinium-based ionic porous organic polymer as a propitious material for inordinate uptake of permanganate ions from water

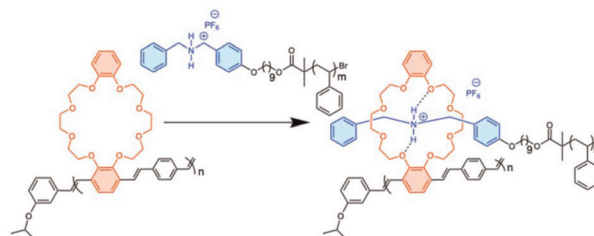
P. S. Nandamol and Mintu Porel\*



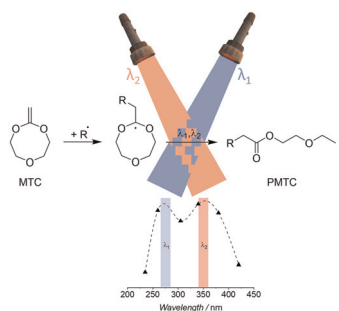
696

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

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



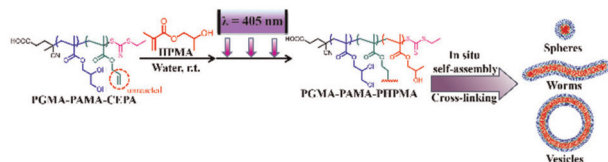
704



### 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\*

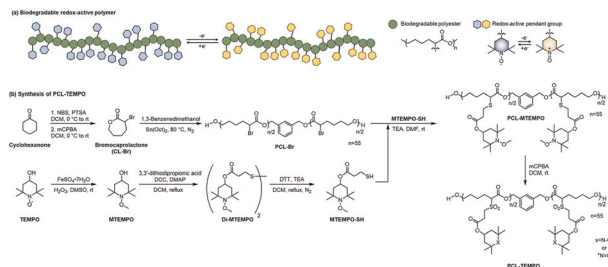
712



### 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\*

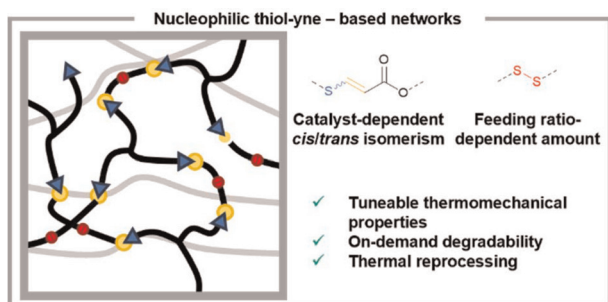
724



### Development of redox-active polycaprolactone and its electrochemical redox behavior in aqueous media

Taeho Lim, Seun Hong, Soeun Kim, Soobin Kim, Kyeongsu Chung, Hyemin Park, Youngdo Jeong, Ju-Won Jeon, Jinho Chang\* and Sangho Cho\*

734



### Tuneable and degradable thermosets possessing dynamic aliphatic disulfide bonds via stereoselective thiol-yne polymerisation

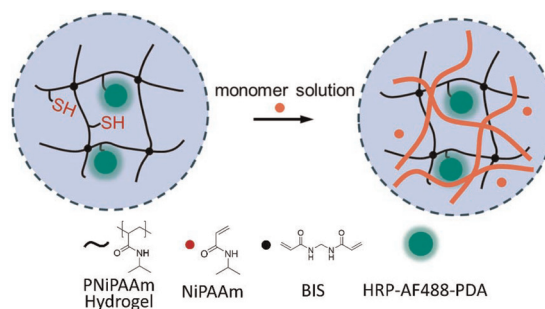
Daniele Giannantonio, Arianna Brandolese and Andrew P. Dove\*



742

### Enzymatic synthesis of semi-IPNs within hydrogel-based microfluidics

Chen Jiao, Dietmar Appelhans, Brigitte Voit, Nico Bruns and Jens Gaitzsch\*



751

### A facile route for the chemical functionalisation of polydivinylbenzenes and the application of amphoteric polydivinylbenzene microspheres to the simultaneous solid-phase extraction of acidic and basic drugs from water samples

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

