

# Polymer Chemistry

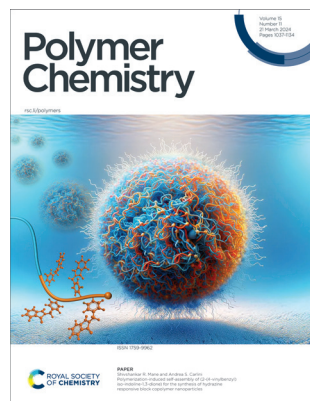
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### Cover

See Shivshankar R. Mane and Andrea S. Carlini, pp. 1043–1051.

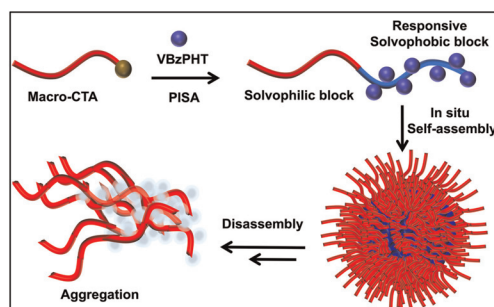
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## PAPERS

1043

### Polymerization-induced self-assembly of (2-(4-vinylbenzyl)iso-indoline-1,3-dione) for the synthesis of hydrazine responsive block copolymer nanoparticles

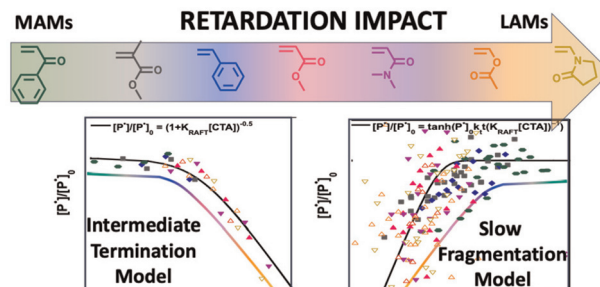
Shivshankar R. Mane\* and Andrea S. Carlini\*



1052

### Rate retardation trends in RAFT – an emerging monomer classification tool?

Tochukwu Nwoko, Khoi Nguyen, Nirob K. Saha, Christopher Barner-Kowollik and Dominik Konkolewicz\*



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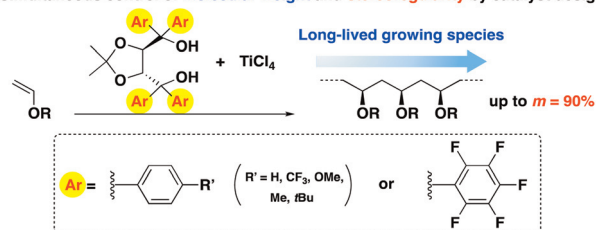
## PAPERS

1062

Dual control of stereoregularity and molecular weight in cationic polymerization of vinyl ether by tunable TADDOLs/TiCl<sub>4</sub> initiating systems

Hironobu Watanabe, Yuji Mishima, Arihiro Kanazawa and Sadahito Aoshima\*

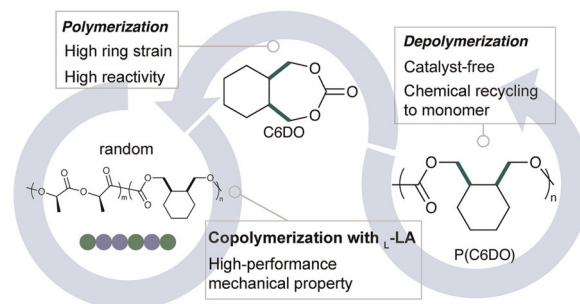
Simultaneous control of molecular weight and stereoregularity by catalyst design



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*cis*-Fused cyclohexane promoted the chemical recycling of polycarbonate to monomer

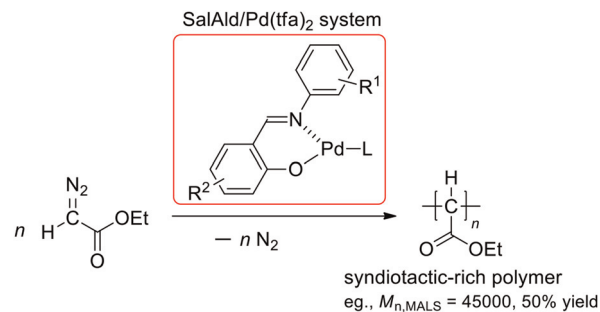
Si-Yi Shan, Wei Zhang, Qing Cao, Yun-Cong Ye, Zhongzheng Cai\* and Jian-Bo Zhu\*



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A salicylaldehyde/Pd(trifluoroacetate)<sub>2</sub> [SalAld/Pd(tfa)<sub>2</sub>] initiating system for C1 polymerization of diazoacetate: generation of an active initiator from ordinary reagents with facile procedures

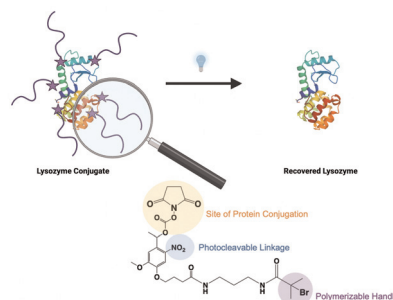
Hiroaki Shimomoto,\* Takaya Izumoto, Kazuki Yamashita, Tomomichi Itoh and Eiji Ihara\*



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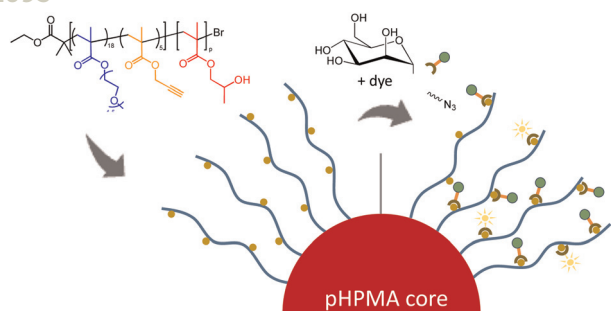
## Enzyme-polymer conjugates with photocleavable linkers for control over protein activity

Mikayla F. Tan, Brock M. Hosier, Neil L. Forsythe and Heather D. Maynard\*





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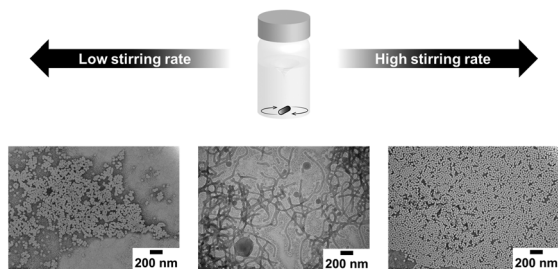


### Surface mannosylation of dispersion polymerisation derived nanoparticles by copper mediated click chemistry

Daniela V. Tomasino, Ashfaq Ahmad, Tauseef Ahmad, Golestan Salimbeigi, Jennifer Dowling, Mark Lemoine, Ruth M. Ferrando, Alan Hibbitts, Ruairi P. Branningan, Mathew I. Gibson, Luigi Lay\* and Andreas Heise\*

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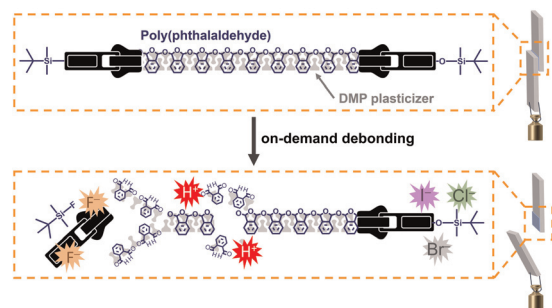
Effects of stirring rate on PISA-derived nanoparticle morphology



### Effects of stirring rate on morphology of aqueous RAFT emulsion PISA-derived block copolymer nanoparticles

Hyun Jin Kim, Fumi Ishizuka, Jiang Li, Rhiannon P. Kuchel, Shunsuke Chatani, Hiroshi Niino and Per B. Zetterlund\*

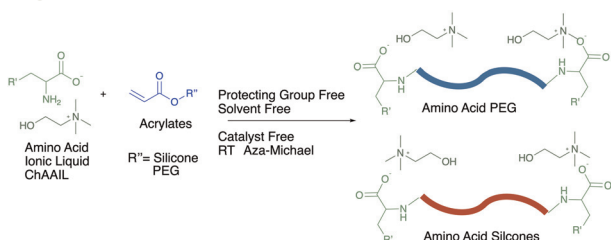
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### Functional design of stimuli-responsive poly(phthalaldehyde)-based adhesives: depolymerization kinetics and mechanical strength management through plasticizer addition

Patrick Damacet, Hana J. Yarbrough, Nicholas D. Belloch, Hyuk-Jun Noh and Katherine A. Mirica\*

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### Protecting group-free introduction of amino acids to polymers through the aza-Michael reaction

Guanhua Lu and Michael A. Brook\*

