

Polymer Chemistry

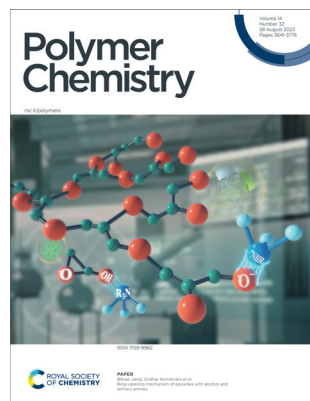
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Cover

See Bibiao Jiang,
Sridhar Komarneni *et al.*,
pp. 3679–3685.

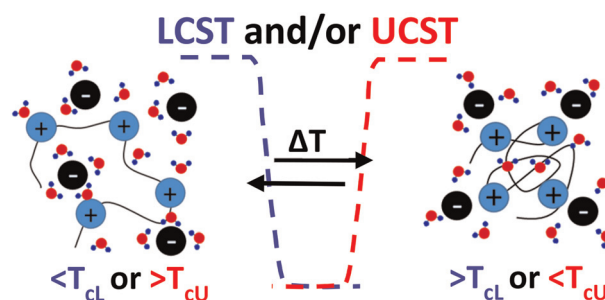
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14, 3679.

REVIEW

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Thermoresponsive polycations

Vikram Baddam and Heikki Tenhu*

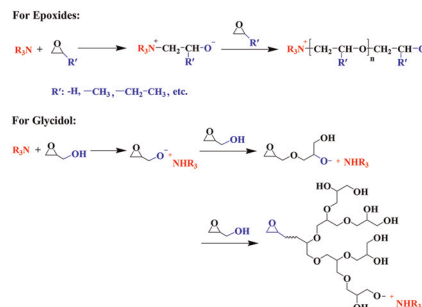


PAPERS

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Ring-opening mechanism of epoxides with alcohol and tertiary amines

Yongzhuang Du, Xiaoqiang Xue, Qimin Jiang,
Wenyan Huang, Hongjun Yang, Li Jiang, Bibiao Jiang*
and Sridhar Komarneni*



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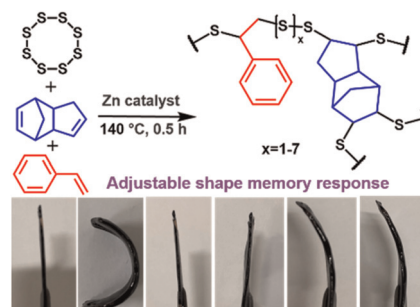


PAPERS

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Sulfur-rich polymers with heating/UV light-responsive shape memory and temperature-modulated self-healing

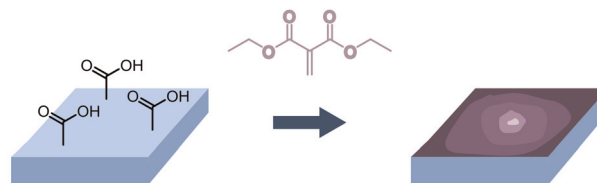
Zhao Yang, Peiyao Yan, Xiaohu Li, Congcong Miao, Shanshan (Diana) Cai, Weigang Ji, Mengyuan Song, Liam J. Dodd, Xiaofeng Wu,* Tom Hasell* and Pengfei Song*



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Anionic polymerization and transport of diethyl methylenemalonate on polyolefin copolymer surfaces

Kelsi M. S. Rehmann, John Klier and Jessica D. Schiffman*

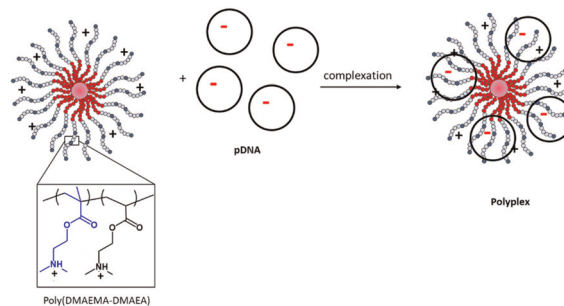


- Initiator concentration impacts monomer transport rate
- Grafting from substrates with minimal surface treatment

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Cationic star copolymers obtained by the arm first approach for gene transfection

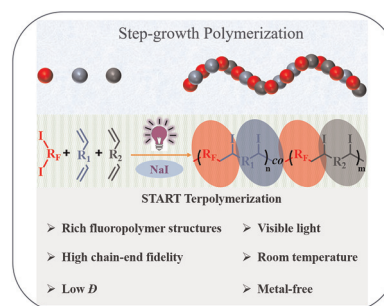
Fannie Burgevin, Alexia Hapeshi, Ji-Inn Song, Marta Omedes-Pujol, Annette Christie, Christopher Lindsay and Sébastien Perrier*



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Visible-light mediated synthesis of main-chain-type semifluorinated alternating terpolymers by NaI catalyzed START polymerization

Chaojie Li, Jiannan Cheng, Yi Zhang, Qing Yu, Zhiru Yuan, Weiwei He,* Xiaoguang Bao, Lifan Zhang* and Zhenping Cheng*

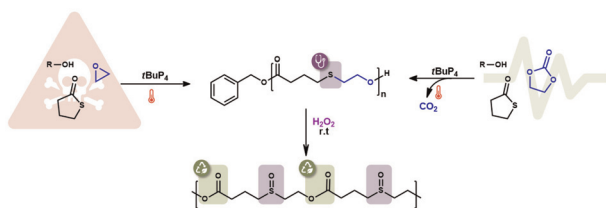


- > Rich fluoropolymer structures
- > High chain-end fidelity
- > Low *D*
- > Visible light
- > Room temperature
- > Metal-free



PAPERS

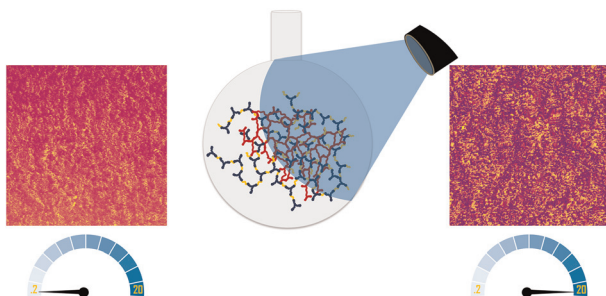
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γ -Thiobutyrolactone – ethylene carbonate decarboxylative copolymerization, an original pathway to prepare aliphatic oxidizable poly(γ -thioether ester)

Emma Mongkhoun, Philippe Guégan and Nicolas Illy*

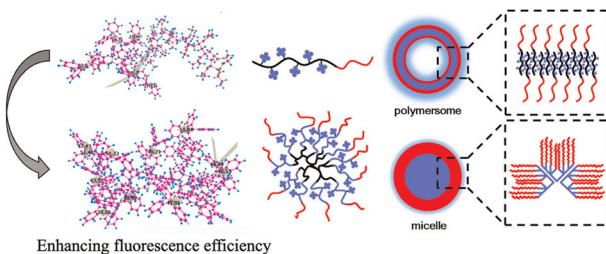
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CuAAC–methacrylate interpenetrating polymer network (IPN) properties modulated by visible-light photoinitiation

Mukund Kabra and Christopher J. Kloxin*

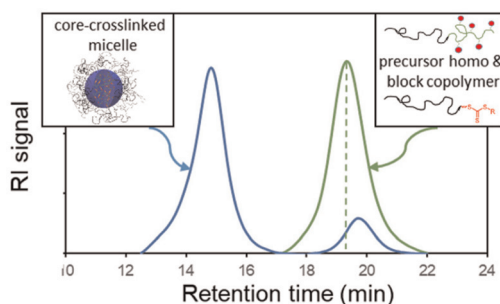
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Investigating AIE behaviors of amphiphilic AIEgen-based polymers through self-assembly architectures and hydrophobic core arrangements

Liang Wang, Ghada E. Khedr, Lei Luo, Shiling Zhang, Zhiying Li, Shanmeng Lin, Jinyan Luo, Qi Xing* and Jin Geng*

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Synthesis of redox-responsive core–shell nanoparticles: insights into core-crosslinking efficiency

Yannik Olszowy, Janick Wesselmann, Shenja Fabienne Over, Florian Pätzold and Ralf Weberskirch*

