

# Polymer Chemistry

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### Cover

See Heung Bae Jeon,  
Hong Y. Cho, Hyun-jong Paik  
*et al.*, pp. 725–732.

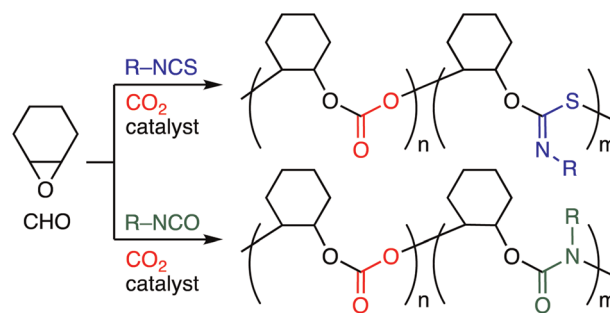
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*Polym. Chem.*, 2024, **15**, 725.

## COMMUNICATIONS

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### Terpolymerizations of cyclohexene oxide, CO<sub>2</sub>, and isocyanates or isothiocyanates for the synthesis of poly(carbonate-urethane)s or poly(carbonate-thioimidocarbonate)s

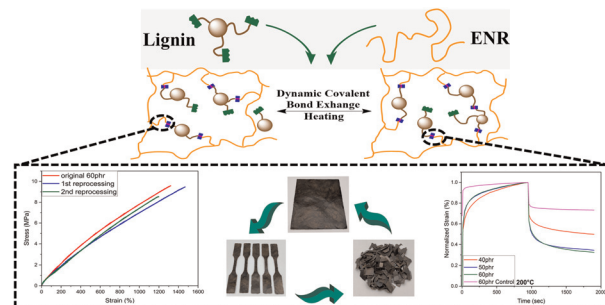
Koichi Nakaoka, Satoshi Muranaka, Io Yamamoto and Tadashi Ema\*



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### Fast relaxing sustainable soft vitrimer with enhanced recyclability

Sargun Singh Rohewal, Nihal Kanbargi, Rebecca Young, Logan T. Kearney, Joshua T. Damron, Holly Hinton, Laurene Tetard and Amit K. Naskar\*



# Environmental Science: Atmospheres

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Fundamental questions  
Elemental answers

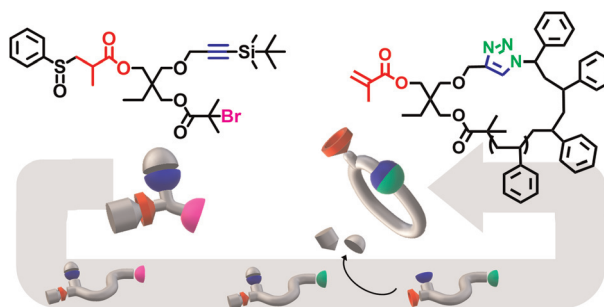


## PAPERS

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### Cyclic macromonomer from a multifunctional atom transfer radical polymerization initiator via sulfoxide-based vinyl protection

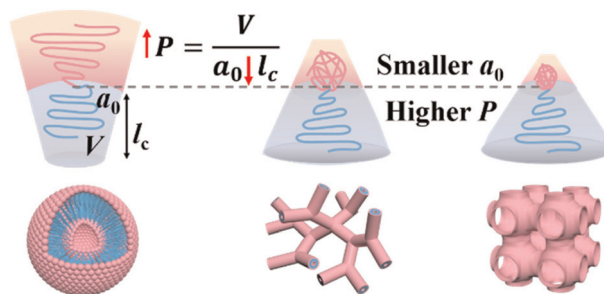
Minji Kim, Suraj Aswale, Dongwoo Kim, Boseok Hong, Yuyeong Kang, Heung Bae Jeon,\* Hong Y. Cho\* and Hyun-jong Paik\*



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### Self-assembly of single-chain nanoparticles from block copolymers into inverse bicontinuous structures

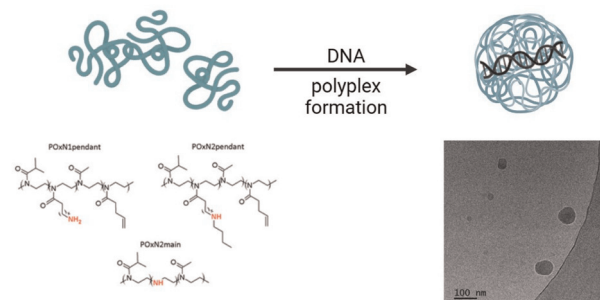
Yalan Sun, Zichao Deng and Aihua Chen\*



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### Amino-modified 2-oxazoline copolymers for complexation with DNA

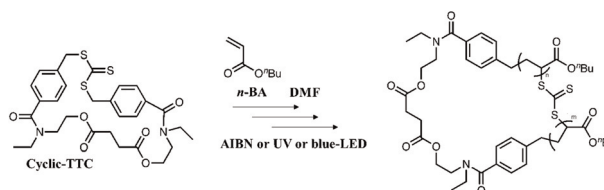
Natalia Oleszko-Torbus,\* Barbara Mendrek, Wojciech Watach, Agnieszka Fus-Kujawa, Violeta Mitova, Neli Koseva and Agnieszka Kowalczyk\*



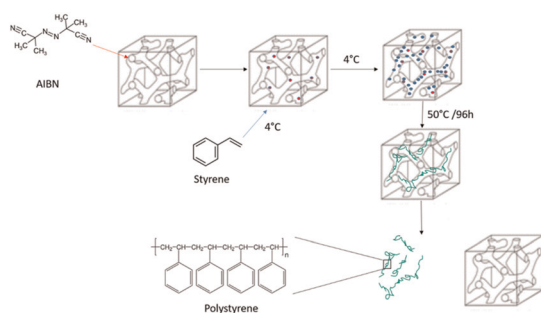
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### Facile synthesis of cyclic RAFT agents and ring expansion radical polymerization of vinyl monomers having cyclic topology

Hiroki Ito, Kota Oto, Akinori Takasu\* and Masahiro Higuchi



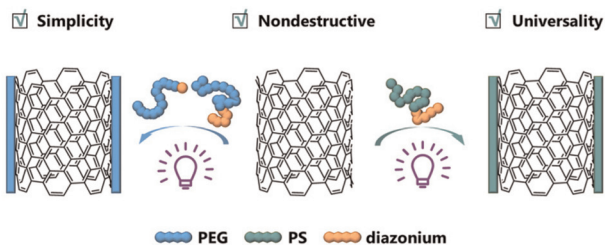
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### Effects of hard nanoconfinement on polystyrene synthesized inside a complex mesoporous material KIT-6

Luciano do Nascimento Batista,\* Rosane Aguiar da Silva San Gil and Maria Inês Bruno Tavares

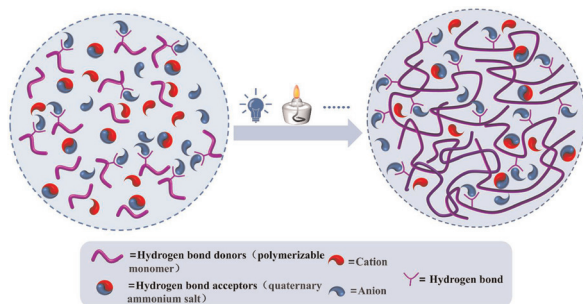
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### One-step photo-induced modification of carbon nanotubes via polymeric diazonium chemistry

Zixuan Zhu, Xinyi Pan and Yaning He\*

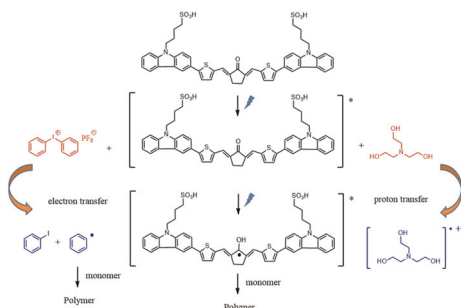
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### Impact of hydrogen bonding interaction energy on the polymerization kinetics of polymerizable deep eutectic solvent monomers

Liang Lin, Ren'ai Li, Guangxue Chen, Xiaochun Wang, Junhao Cheng, Jiali Zhao, Kai Zhao and Minghui He\*

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### Water-soluble bis-chalcone-based photoinitiators with long-wavelength absorption for radical polymerization and 3D printing

Weineng Lu and Jinqing Qu\*

