

Polymer Chemistry

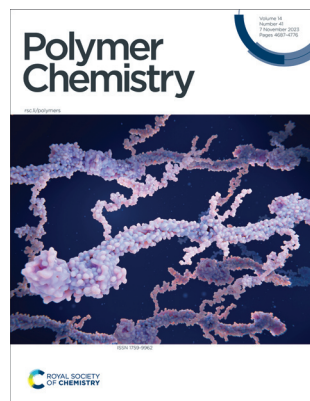
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ISSN 1759-9962 CODEN PCOHC2 14(41) 4687–4776 (2023)



Cover

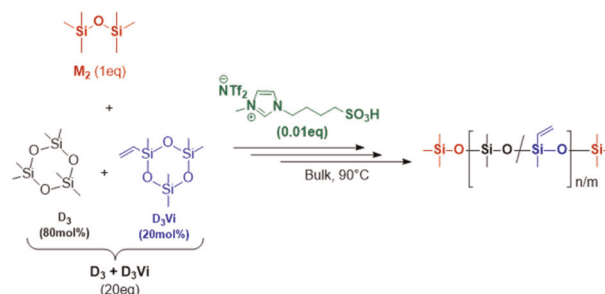
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PAPERS

4693

Imidazolium triflimide-based Brønsted acidic ionic liquid as organocatalyst to trigger the cationic ring-opening polymerization of cyclotrisiloxanes

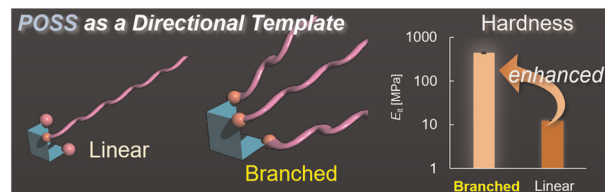
Winnie Nzahou Ottou, Aurélie Boulègue Mondière, Hervé Parisot, Delphine Blanc, Daniel Portinha* and Etienne Fleury*



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Corner-opened cage-silsesquioxane as a directional template for tripodal poly(methyl methacrylate)

Ryota Tanaka, Amato Igarashi, Taihei Hayashi, Hiroyasu Masunaga, Hideaki Takagi, Nobutaka Shimizu, Noriyuki Igarashi, Shinichi Sakurai, Hiroaki Imoto* and Kensuke Naka*



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Polymer Chemistry (electronic: ISSN 1759-9962)

is published 48 times a year by the Royal Society of Chemistry,
Thomas Graham House, Science Park, Milton Road, Cambridge,
UK CB4 0WF.

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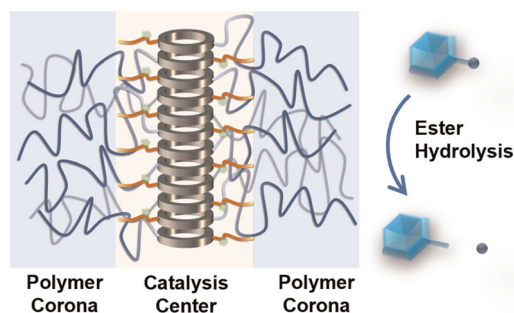


PAPERS

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Supramolecular peptide nanotubes as artificial enzymes for catalysing ester hydrolysis

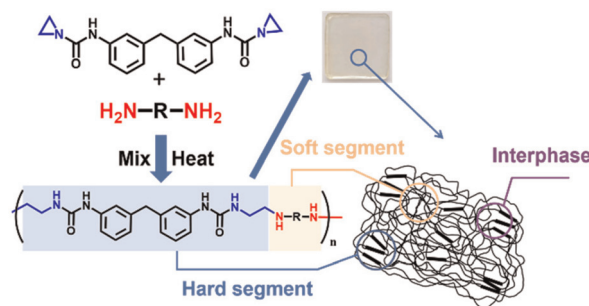
Qiao Song,* Zihe Cheng and Sébastien Perrier*



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A novel isocyanate-free strategy towards preparation of polyurea by a ring-opening reaction

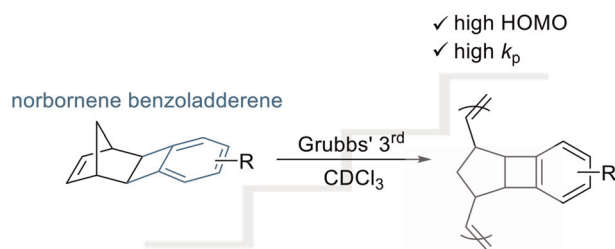
Xuejie Wang, Chongwen Yu, Jiaqi Sun, Chenzhong Mu* and Yujie Song*



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Ring-opening metathesis polymerization of norbornene–benzoladderene (macro)monomers

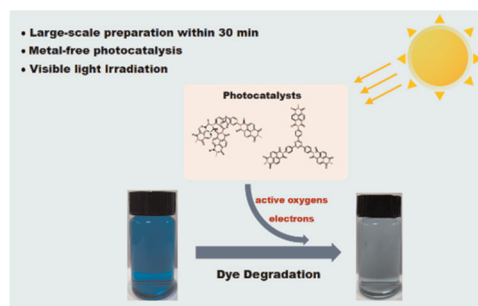
Samantha J. Scannelli, Mohammed Alaboalirat, Diego Troya and John B. Matson*



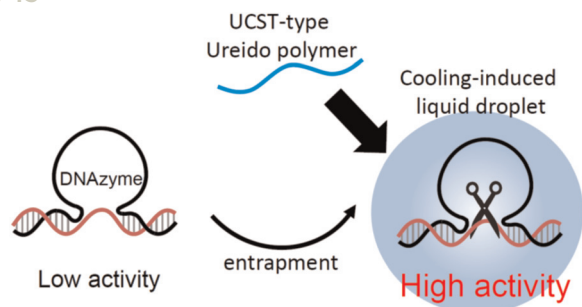
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Naphthalene-based semiconducting microporous polyimides for high-efficiency photo-catalytic dye degradation

Yujie Lei, Bo Lin, Jieyao Wang, Wangzhi Chen, Xiaoxuan Dai, Xingyu Ma and Lei Li*



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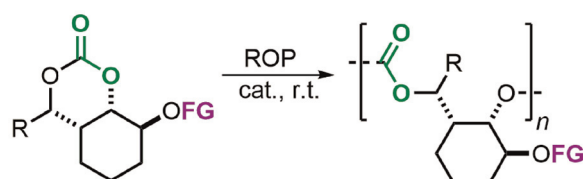


Encapsulation in cooling-induced coacervates augments DNA enzyme activity

Takuya Komachi, Shunya Kawai, Yuki Hirayama, Atsushi Maruyama* and Naohiko Shimada*

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new functional polycarbonates

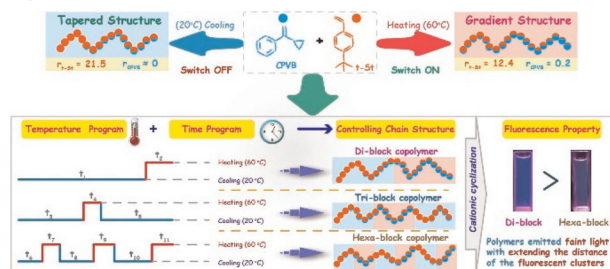


- great functional diversity
- operational simplicity
- M_n 's up to 11.7 kg/mol
- T_g up to 106 °C

Ring-opening polymerization of functionalized aliphatic bicyclic carbonates

Jixiang Ni, Matteo Lanzi,* David H. Lamparelli and Arjan W. Kleij*

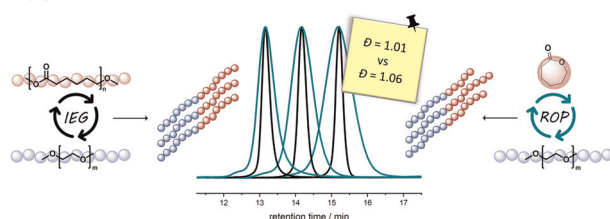
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Thermal control of multiblock sequence using anion-migrated ring-opening polymerization

Hongyuan Bai, Li Han, Xuefei Wang, Hong Yan, Siwen Chen, Haitao Leng, Zijiang Yao and Hongwei Ma*

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Synthesis and characterization of uniform OCL-OEG block cooligomers

Philipp Bohn, Valerian Hirschberg, Simon Buchheiser, Dafni Moatsou, Hermann Nirschl and Michael A. R. Meier*

