

Polymer Chemistry

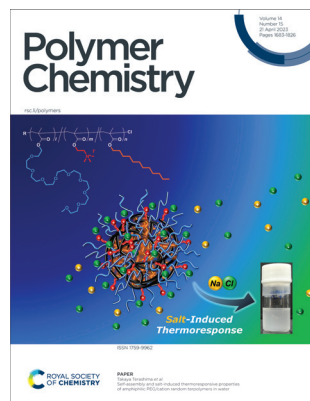
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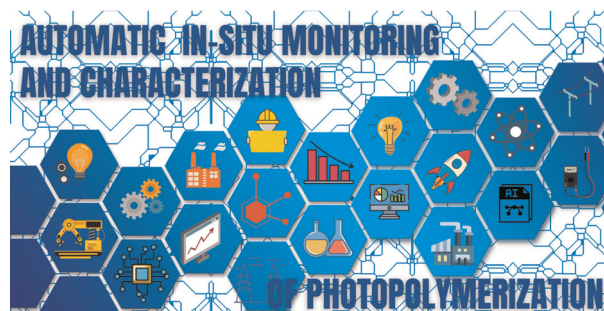
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REVIEW

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Review of quantitative and qualitative methods for monitoring photopolymerization reactions

Patryk Szymaszek, Wiktoria Tomal, Tomasz Świergosz, Iwona Kamińska-Borek, Roman Popielarz and Joanna Ortyl*

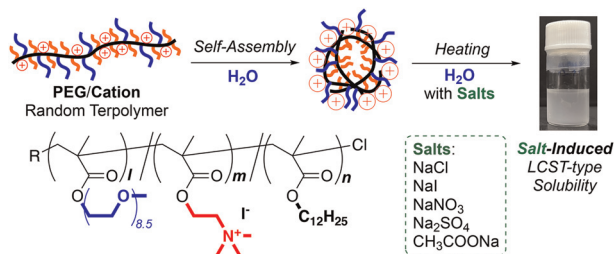


PAPERS

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Self-assembly and salt-induced thermoresponsive properties of amphiphilic PEG/cation random terpolymers in water

Rikuto Kanno, Makoto Ouchi and Takaya Terashima*



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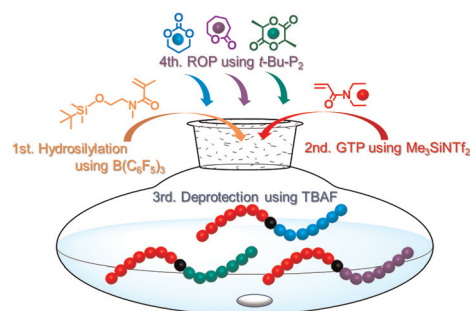
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One-pot catalyst-switching synthesis of thermoresponsive amphiphilic diblock copolymers consisting of poly(*N,N*-diethylacrylamide) and biodegradable polyesters

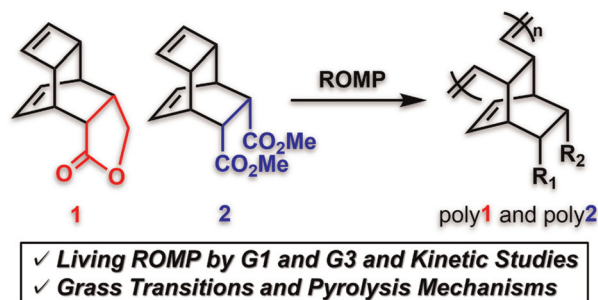
Xiangming Fu, Yanqiu Wang, Liang Xu, Atsushi Narumi, Shin-ichiro Sato, Xiande Shen* and Toyoji Kakuchi*



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Ring-opening metathesis polymerization of ester-functionalized *endo*-tricyclo[4.2.2.0^{2,5}]deca-3,9-dienes and thermal properties of the resulting polymers

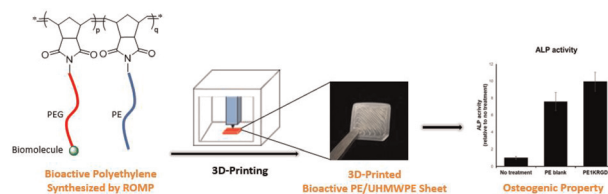
Yuta Asano, Hiromi Aoi, Hajime Ohtani, Shin-ichi Matsuoka* and Masato Suzuki



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Bioactive polyethylene synthesized by ring opening metathesis polymerization for potential orthopaedic applications

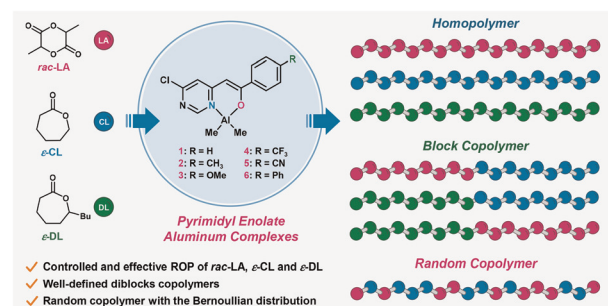
Jiayi Guo, Eun Ju Park, Yew Chin Teo, Asyraf Abbas, Denise Goh, Raymond Alexander Alfred Smith, Yuntong Nie, Hang T. L. Nguyen, Joe Poh Sheng Yeong, Simon Cool, Haruyuki Makio and Peili Teo*



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Controlled and effective ring-opening (co)polymerization of *rac*-lactide, ϵ -caprolactone and ϵ -decalactone by β -pyrimidyl enolate aluminum complexes

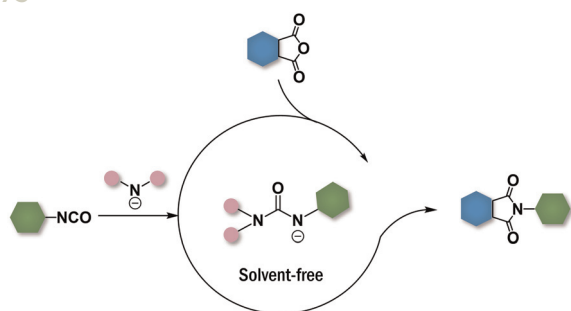
Sirawan Kamavichanurat, Kunanon Jampakaew and Pimpa Hormnirun*



- ✓ Controlled and effective ROP of *rac*-LA, ϵ -CL and ϵ -DL
- ✓ Well-defined diblocks copolymers
- ✓ Random copolymer with the Bernoullian distribution



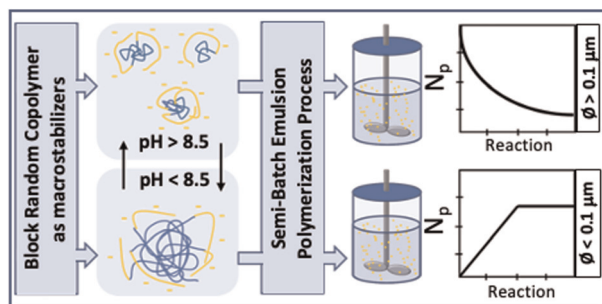
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Towards high-performance polyurethanes: a mechanism of amine catalyzed aromatic imide formation from the reaction of isocyanates with anhydrides

Yunfei Guo, Sebastian Spicher, Anna Cristadoro, Peter Deglmann, Rint P. Sijbesma* and Željko Tomović*

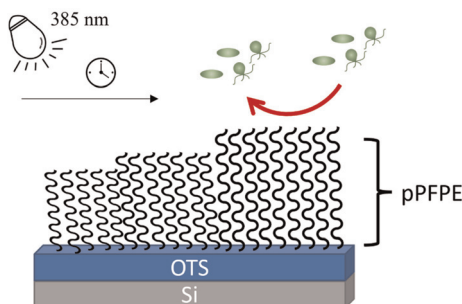
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Block-random copolymer stabilisers for semi-batch emulsion polymerisation

Arthur Werner,* Connor A. Sanders, Sandra E. Smeltzer, Sean R. George, Andreas Gernandt, Bernd Reck and Michael F. Cunningham*

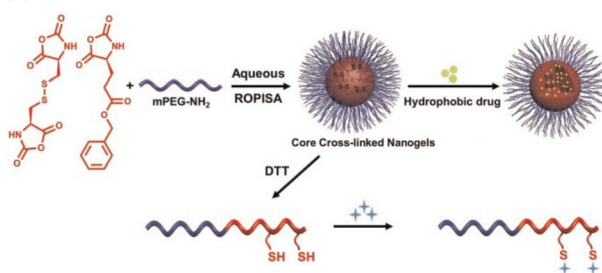
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Visible light-induced surface grafting polymerization of perfluoropolyether brushes as marine low fouling materials

Emily Manderfeld, Ajitha Balasubramaniam, Onur Özcan, Charlotte Anderson, John A. Finlay, Anthony S. Clare, Kelli Hunsucker, Geoffrey W. Swain and Axel Rosenhahn*

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Sai Xi Huang, Zi Hao Wang, Min Lin, Xiao Hui Fu* and Jing Sun*



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Mesoporous SiO₂@pH-responsive polypeptide nanocomposites: noninterventional embolization and ultrasound imaging combination theranostic for solid tumors

Dedai Lu,* Mingshu Chen, Lili Yu, Jiachen Wang, Hongyun Guo, Xing Zhou, Zhiming Han, Zubang Zhou, Haijun Wang, Shiqi Liao and Ziqiang Lei

