

# Polymer Chemistry

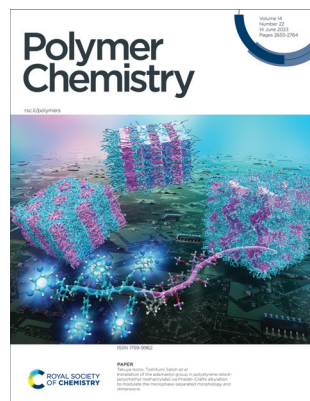
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ISSN 1759-9962 CODEN PCOHC2 14(22) 2655-2764 (2023)



### Cover

See Takuya Isono, Toshifumi Satoh *et al.*, pp. 2675–2684.

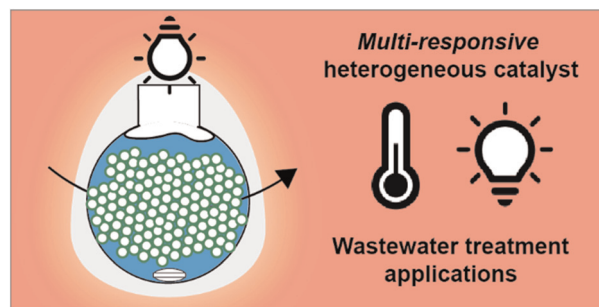
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## COMMUNICATIONS

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### Thermoresponsive polymer brush photocatalytic substrates for wastewater remediation

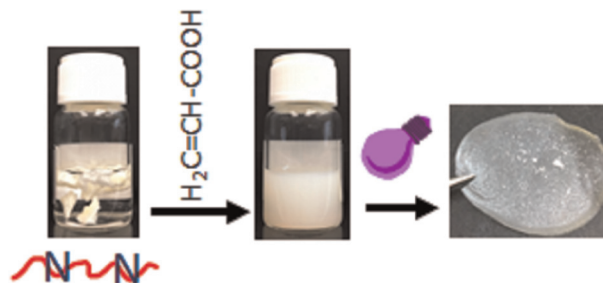
Kirsten Bell, Yiwen Guo, Samuel Barker, Seong H. Kim and Christian W. Pester\*



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### UV-curable polyurethane-acrylate hybrids made by a prepolymer-free process and free-standing polymer-metal oxide films made in a wholly water-based UV curing process

Roshan F. Dsouza and Anbanandam Parthiban\*



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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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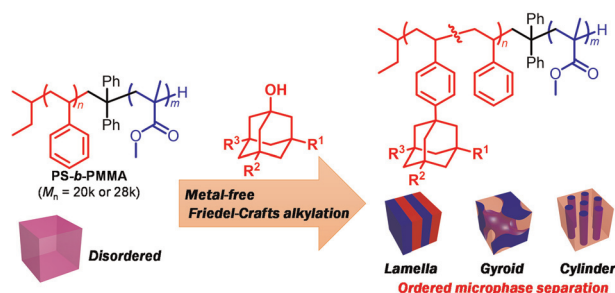


## PAPERS

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### Installation of the adamantyl group in polystyrene-*block*-poly(methyl methacrylate) via Friedel–Crafts alkylation to modulate the microphase-separated morphology and dimensions

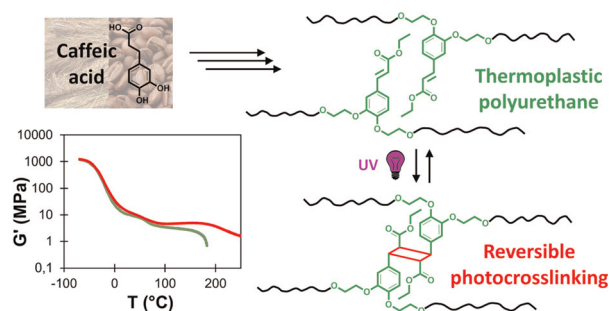
Takuya Isono,\* Ema Baba, Shunma Tanaka, Ken Miyagi, Takahiro Dazai, Feng Li, Takuya Yamamoto, Kenji Tajima and Toshifumi Satoh\*



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### From thermoplastic polyurethane to covalent adaptable network via reversible photo-crosslinking of a biobased chain extender synthesized from caffeic acid

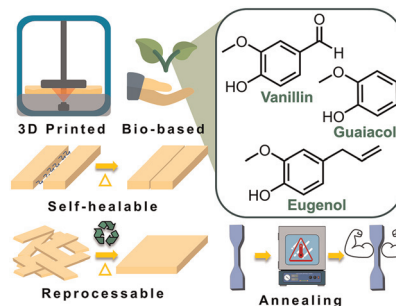
Antoine Duval\* and Luc Avérous\*



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### Thermal annealing effects on the mechanical properties of bio-based 3D printed thermosets

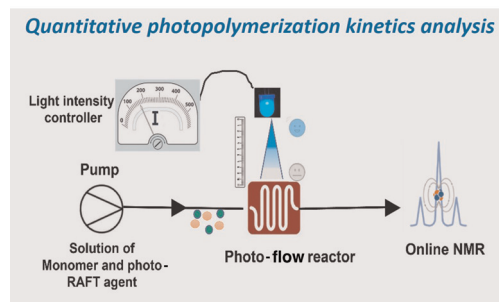
Karen P. Cortés-Guzmán, Ankit R. Parikh, Marissa L. Sparacin, Rebecca M. Johnson, Lauren Adegoke, Melanie Ecker, Walter E. Voit and Ronald A. Smaldone\*



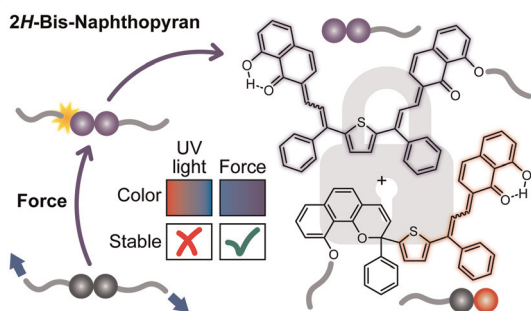
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### Comprehensive high-throughput screening of photopolymerization under light intensity variation using inline NMR monitoring

Gayathri Dev Ammini, Jordan P. Hooker, Joren Van Herck, Anil Kumar and Tanja Junkers\*



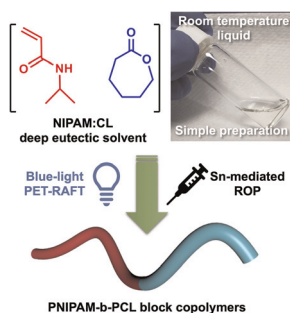
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### Mechanochemical reactivity of a multimodal 2H-bis-naphthopyran mechanophore

Skylar K. Osler, Molly E. McFadden, Tian Zeng and Maxwell J. Robb\*

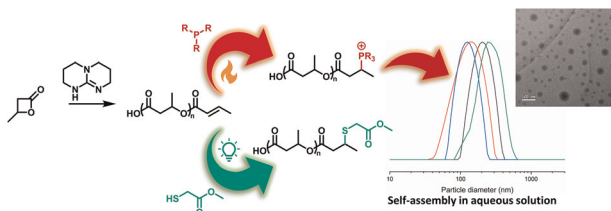
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Yeasmin Nahar, Melissa K. Stanfield, Alex C. Bissember and Stuart C. Thickett\*

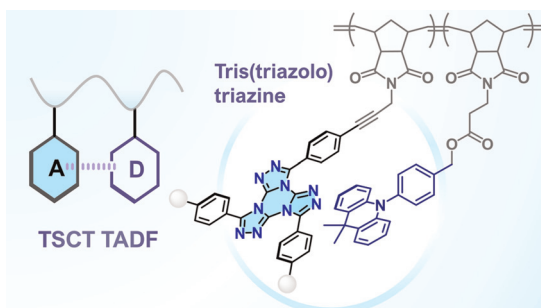
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Ryoga Hojo, Bruno T. Luppi, Katrina Bergmann and Zachary M. Hudson\*



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Alessandra Monaco, Beatriz Dias Barbieri,  
Gokhan Yilmaz, Robin J. Shattock\* and C. Remzi Becer\*

