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### Cover

See Katharina Ehrmann *et al.*,  
pp. 4809–4818.

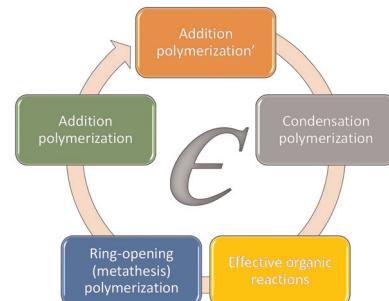
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*Polym. Chem.*, 2023, **14**,  
4809.

## REVIEW

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### Combinations ( $\epsilon$ ) among controlled/living polymerizations and utilizations of efficient chemical reactions for the synthesis of novel polymeric materials

Yi-Shen Huang, Dula Daksa Ejeta, Shiao-Wei Kuo,  
Yasuyuki Nakamura\* and Chih-Feng Huang\*

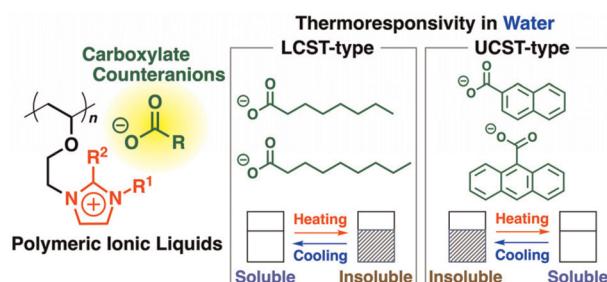


## COMMUNICATION

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### Imidazolium-based polymeric ionic liquids with diverse carboxylates: precision synthesis and LCST- and UCST-type thermoresponsivity in water

Naoki Matsuo, Masahiro Ueda, Arihiro Kanazawa and  
Sadahito Aoshima\*



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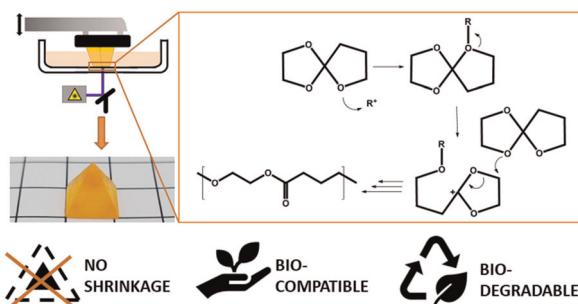


## PAPERS

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**Stereolithographic 3D printing of pure poly(ether-ester) networks from spirocyclic monomers via cationic ring-opening photopolymerization at high temperatures**

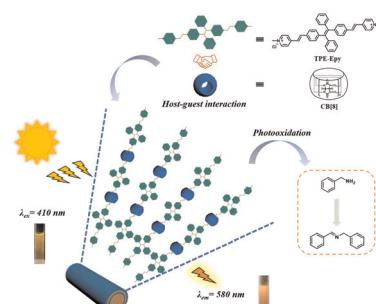
Danijela Kojic, Katharina Ehrmann,\* Raffael Wolff, Yazgan Mete, Thomas Koch, Jürgen Stampfl, Stefan Baudis and Robert Liska



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**Construction of aggregation-induced emission photosensitizers based on supramolecular polymers for enhanced photocatalytic oxidative coupling of amines**

Rong-Zhen Zhang, Chao-Qun Ma, Hui Liu, Rui-Zhi Dong, Kai-Kai Niu, Shengsheng Yu, Yue-Bo Wang\* and Ling-Bao Xing\*

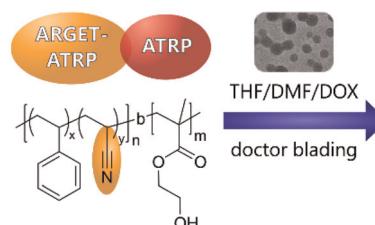


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**Polyacrylonitrile-containing amphiphilic block copolymers: self-assembly and porous membrane formation**

Lea Gemmer, Bart-Jan Niebuur, Christian Dietz, Daniel Rauber, Martina Plank, Florian V. Frieß, Volker Presser, Robert W. Stark, Tobias Kraus and Markus Gallei\*

## Synthesis

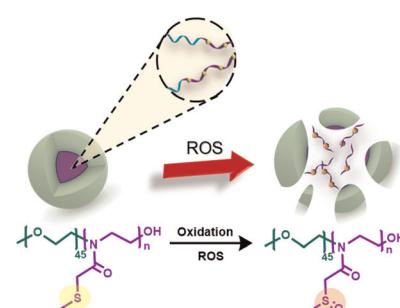


## SNIPS Membrane

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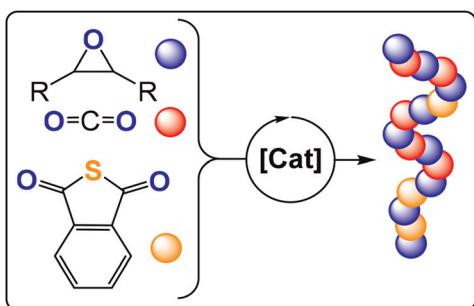
**Thioether-based poly(2-oxazoline)s: from optimized synthesis to advanced ROS-responsive nanomaterials**

Semira Bener, Ewa Pavlova, Hynek Beneš and Ondřej Sedláček\*



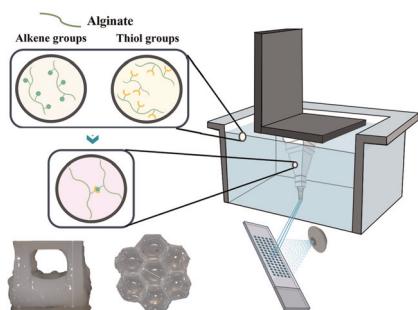
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**Ring-opening terpolymerisation of phthalic thioanhydride with carbon dioxide and epoxides**

Merlin R. Stühler, Cesare Gallizioli, Susanne M. Rupf and Alex J. Plajer\*

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Michael Zanon, Laura Montalvillo-Jiménez, Raquel Cue-López, Enrique Martínez-Campos, Marco Sangermano, Annalisa Chiappone\* and Paula Bosch

