

Polymer Chemistry

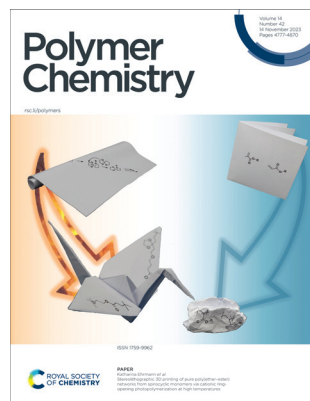
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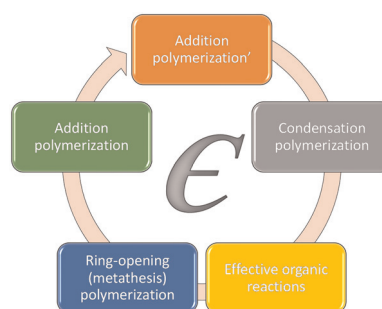
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REVIEW

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Combinations (€) 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*

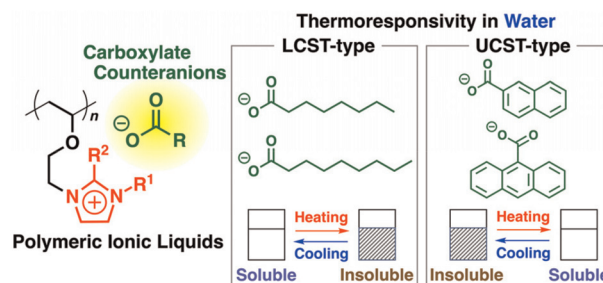


COMMUNICATION

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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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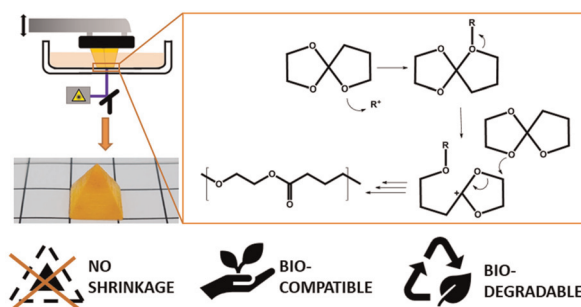


PAPERS

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

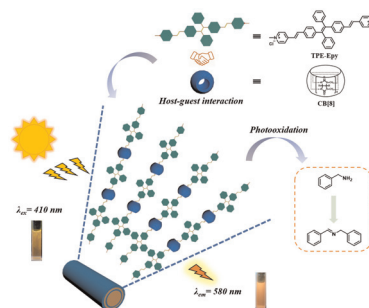
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Construction of aggregation-induced emission photosensitizers based on supramolecular polymers for enhanced photocatalytic oxidative coupling of amines

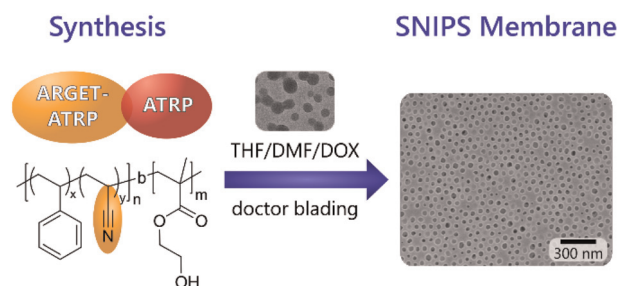
Rong-Zhen Zhang, Chao-Qun Ma, Hui Liu, Rui-Zhi Dong, Kai-Kai Niu, Shengsheng Yu, Yue-Bo Wang* and Ling-Bao Xing*



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

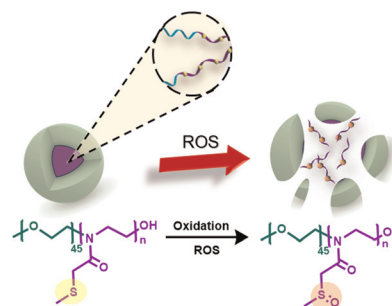
Lea Gemmer, Bart-Jan Niebuur, Christian Dietz, Daniel Rauber, Martina Plank, Florian V. Frieß, Volker Presser, Robert W. Stark, Tobias Kraus and Markus Gallei*



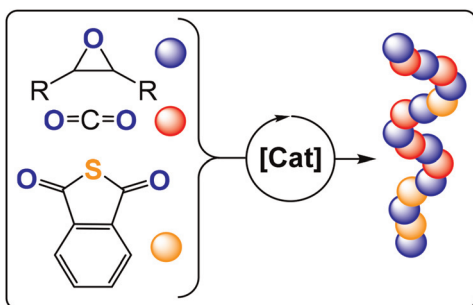
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Thioether-based poly(2-oxazoline)s: from optimized synthesis to advanced ROS-responsive nanomaterials

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



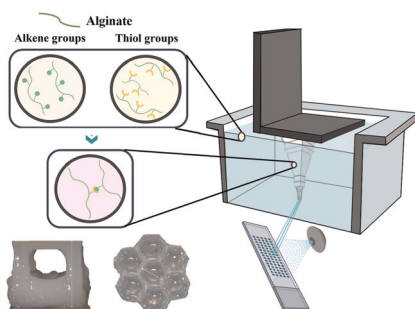
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Ring-opening terpolymerisation of phthalic thioanhydride with carbon dioxide and epoxides

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

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Vat 3D printing of full-alginate hydrogels via thiol–ene reactions towards tissue engineering applications

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

