

# Polymer Chemistry

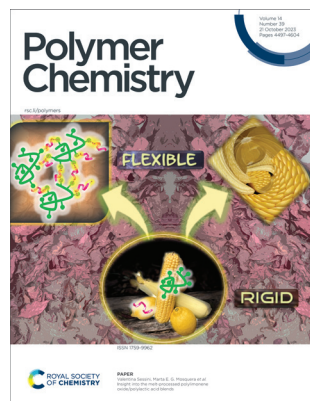
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### Cover

See Valentina Sessini, Marta E. G. Mosquera *et al.*, pp. 4530–4537.

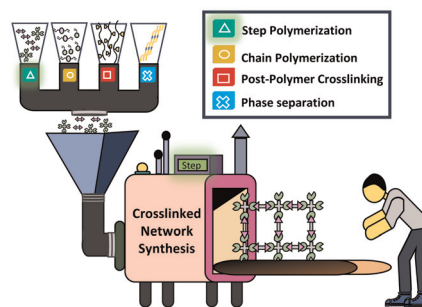
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## TUTORIAL REVIEW

4503

### Educational series: turning monomers into crosslinked polymer networks

M. A. Sachini N. Weerasinghe, Obed J. Dodo, Chamoni W. H. Rajawasam, Ibrahim O. Raji, Shiwanka V. Wanasinghe, Dominik Konkolewicz\* and Nethmi De Alwis Watuthantrige\*

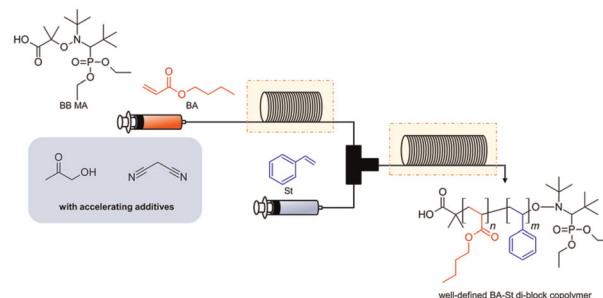


## COMMUNICATIONS

4515

### Accelerated nitroxide-mediated polymerization of styrene and butyl acrylate initiated by BlocBuilder MA using flow reactors

Ryo Takabayashi, Stephan Feser, Hiroshi Yonehara, Ilhyong Ryu and Takahide Fukuyama\*



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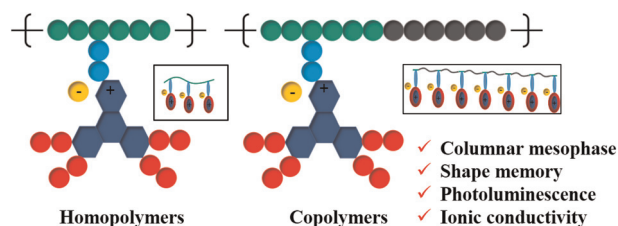


## COMMUNICATIONS

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### Fast thermally-responsive azatriphenylene ionic discotic liquid crystalline polymers with shape-memory properties

Xiao-Ping Xiong, Qian Yang, Ruo-Jun Wang, Ling-Yi Zeng, Wen-Hao Yu,\* Hong-Mei Chen, Hai-Liang Ni, Chun Feng, Ke-Qing Zhao and Ping Hu\*

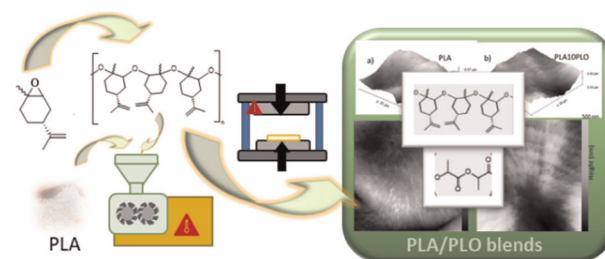


## PAPERS

4530

### Insight into the melt-processed polylimonene oxide/poly(lactic acid) blends

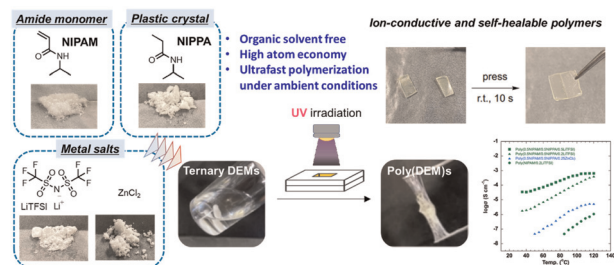
Miguel Palenzuela, Juan F. Vega, Virginia Souza-Egipsy, Javier Ramos, Christian Rentero, Valentina Sessini\* and Marta E. G. Mosquera\*



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### Green production of ion-conductive and self-healable polymers by photoinduced radical polymerization of ternary deep eutectic monomers

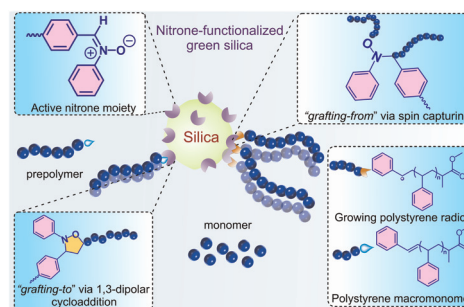
Yuta Tanaka, Reina Shinohe, Shingo Yuki, Takuto Ohashi and Hideharu Mori\*



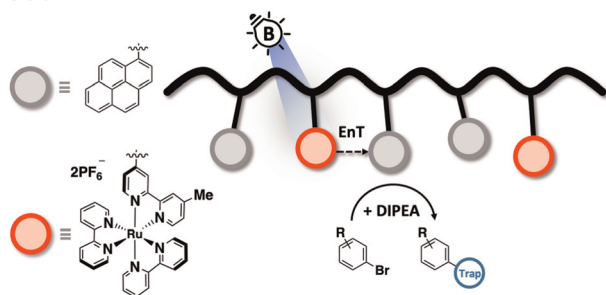
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### Polymer grafting on nitron functionalized green silica via "grafting from" and "grafting to" approaches through enhanced spin capturing polymerization and a 1,3-dipolar cycloaddition reaction

Lukkumanul Hakkim N. and Leena Nebhani\*



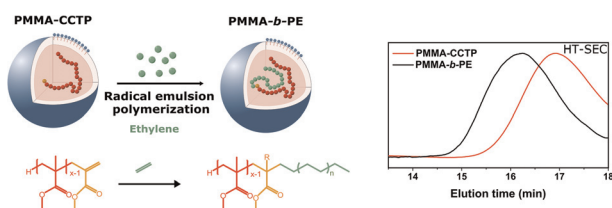
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### Synthesis and characterization of a ruthenium-containing copolymer for use as a photoredox catalyst

Steven Huss, Andrew R. Walsh, Anna Griggs, Diego Alejandro Rodriguez-Acevedo, Daniela M. Arias-Rotondo and Elizabeth Elacqua\*

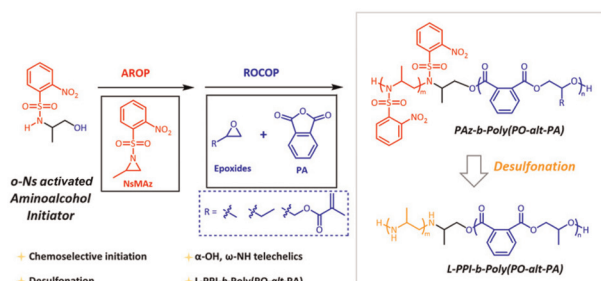
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### Synthesis of poly(methyl methacrylate)-*b*-polyethylene (PMMA-*b*-PE) block copolymers via conventional emulsion polymerization

L. Sinniger, O. Boyron, P. Y. Dugas, G. Patias, D. Lester, D. M. Haddleton, V. Monteil, M. Lansalot\* and F. D'Agosto\*

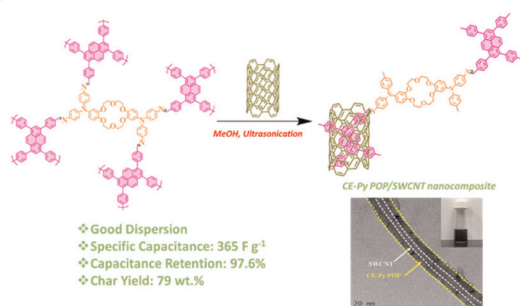
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### Telechelic block copolymer L-PPI-*b*-poly(epoxide-*alt*-PA) obtained via desulfonation of poly(*o*-nitrophenylsulfonyl-activated aziridines)

Zhuangzhuang Liang, Feng Ren, Chenyang Hu, Zan Gao, Xuan Pang\* and Xuesi Chen\*

4589



### Dispersion of ultrastable crown-ether-functionalized triphenylamine and pyrene-linked porous organic conjugated polymers with single-walled carbon nanotubes as high-performance electrodes for supercapacitors

Mohamed Gamal Mohamed,\* Wan-Chun Chang, Swetha V. Chaganti, Santosh U. Sharma, Jyh-Tsung Lee and Shiao-Wei Kuo\*

- ❖ Good Dispersion
- ❖ Specific Capacitance: 365 F g<sup>-1</sup>
- ❖ Capacitance Retention: 97.6%
- ❖ Char Yield: 79 wt.%

