



# EES Catalysis

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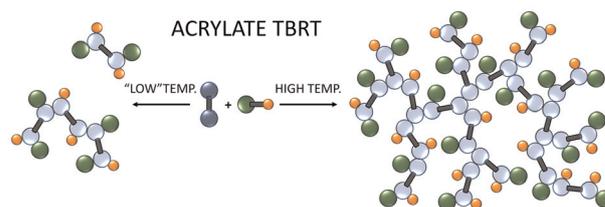
Fundamental questions  
Elemental answers

## COMMUNICATIONS

1131

### Novel hyperbranched polymers from transfer-dominated branching radical telomerisation (TBRT) of diacrylate taxogens

Samuel Mckeating, Corinna Smith, Oliver Penrhyn-Lowe, Sean Flynn, Stephen Wright, Pierre Chambon, Andrew Dwyer and Steve Rannard\*

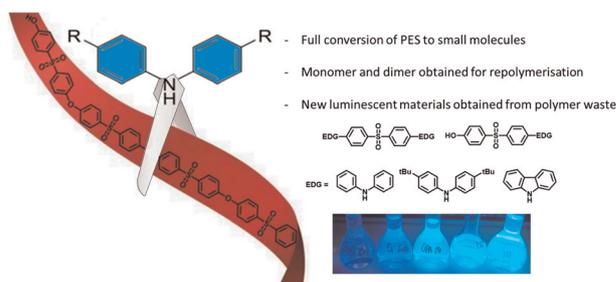


## PAPERS

1139

### Upcycling polyethersulfones to luminescent materials by aminolysis

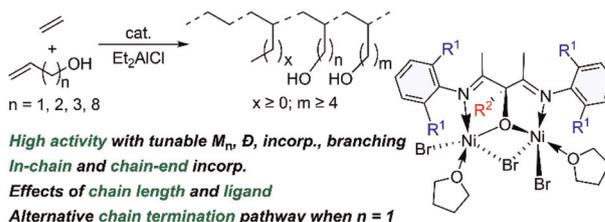
Johan Liotier, Leila Issoufou Alfari, Benoit Mahler, Thomas Niehaus, Christophe Dujardin, Simon Guelen, Vincent Schanen, Véronique Dufaud,\* Jean Raynaud\* and Vincent Monteil\*



1146

### Binuclear Ni catalyzed ethylene copolymerization with short chain alkenol monomers

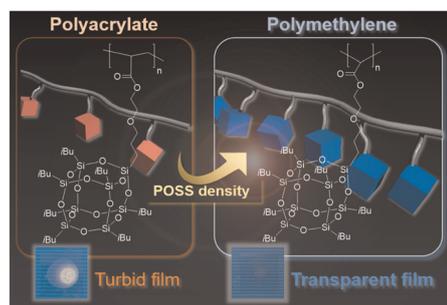
Yuan Lu, Gang Ji, Shuyang Yu, Xiaoshan Ning, Xiu-Li Sun,\* Yanshan Gao,\* Xiaoyan Wang and Yong Tang\*



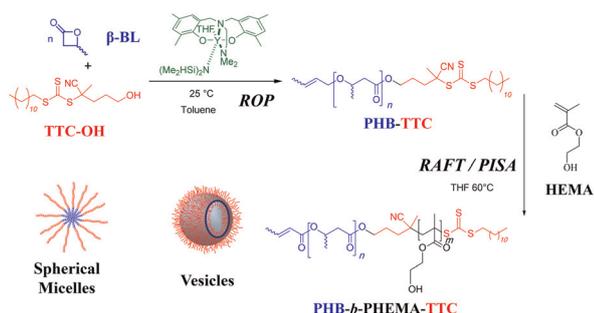
1155

### Polymethylene with cage silsesquioxane: densely grafted structure prevents side-chain crystallization

Yu Tomioka, Tomoki Yasui, Kensuke Naka and Hiroaki Imoto\*



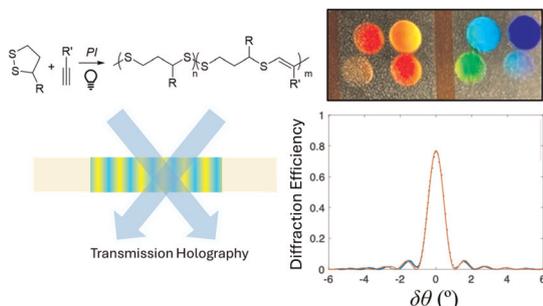
1162



### Poly( $\beta$ -hydroxyalkanoate)/polymethacrylate self-assembled architectures by ring-opening polymerization (ROP)/reversible addition–fragmentation chain-transfer (RAFT) polymerization and polymerization-induced self-assembly (PISA)

Julien Rosselgong,\* Ali Dhaini, Manon Rochedy, Lourdes Mónica Bravo-Anaya, Jean-François Carpentier and Sophie M. Guillaume\*

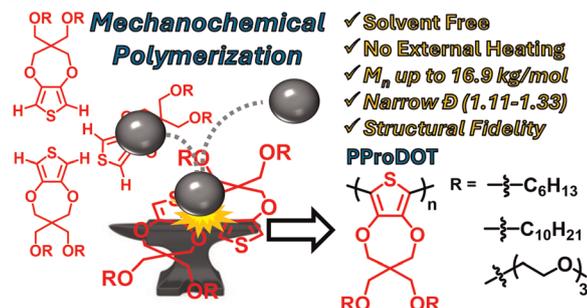
1176



### 1,2-Dithiolane/ynepolymerizations to generate high refractive index polymers

Marianela Trujillo-Lemon, Benjamin D. Fairbanks, Andrew N. Sias, Robert R. McLeod and Christopher N. Bowman\*

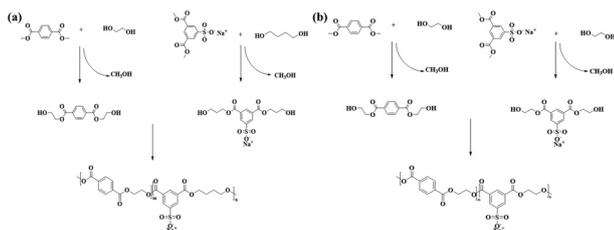
1188



### Synthesis of poly(3,4-propylenedioxythiophene) (PProDOT) analogues via mechanochemical oxidative polymerization

Tanzida Zubair, Raul S. Ramos, Ashley Morales and Robert M. Pankow\*

1197



### Structure–property relationships of ionic poly(ethylene terephthalate) (PET): effect of ion content and species

Jia-Ming Song, Xue-Shuai Wang, Jun-Yu Li, Yi Liu and Liu-Chun Zheng\*



## CORRECTION

1208

**Correction: Simple oxime functionalized fluorene polymers for organic solar cells**

Abdullah Adewale Adeoba, Xiangyu Shen, Fuzhen Bi, Jianan Niu, Mingxin Sun, Shuguang Wen\* and Xichang Bao\*

