

Polymer Chemistry

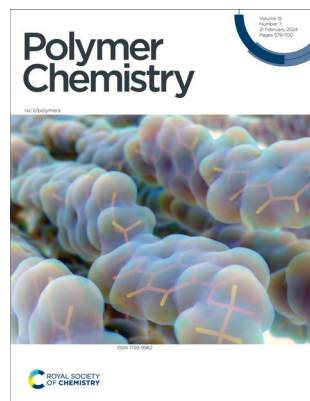
The home for the most innovative and exciting polymer chemistry, with an emphasis on polymer synthesis and applications thereof

rsc.li/polymers

The Royal Society of Chemistry is the world's leading chemistry community. Through our high impact journals and publications we connect the world with the chemical sciences and invest the profits back into the chemistry community.

IN THIS ISSUE

ISSN 1759-9962 CODEN PCOHC2 15(7) 579-700 (2024)



Cover

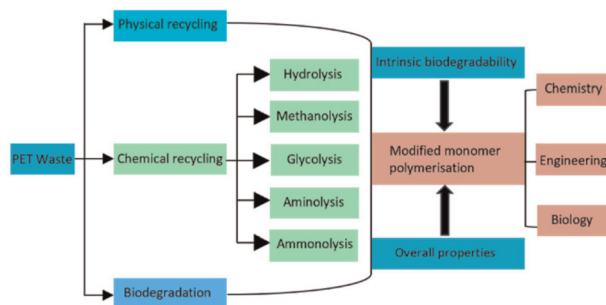
Image credit:
© Juan Gaertner/SPL/Getty
Images

REVIEW

585

Recycling and depolymerisation of poly(ethylene terephthalate): a review

Mengjin Wang, Yaoqin Li, Lin Zheng, Tao Hu, Ming Yan and Chonggang Wu*

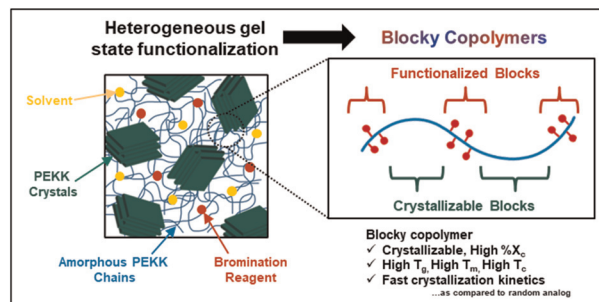


PAPERS

609

Blocky bromination of poly(ether ketone ketone) as a means to preserve crystallizability and rapid crystallization kinetics

Michelle E. Pomatto, Erin R. Crater, Garrett F. Godshall and Robert B. Moore*



Royal Society of Chemistry approved training courses

Explore your options.
Develop your skills.
Discover learning
that suits you.

**Courses in the classroom,
the lab, or online**

Find something for every
stage of your professional
development. Search our
database by:

- subject area
- location
- event type
- skill level

Members **get at least 10% off**

Visit rsc.li/cpd-training

**SAVE
10%**

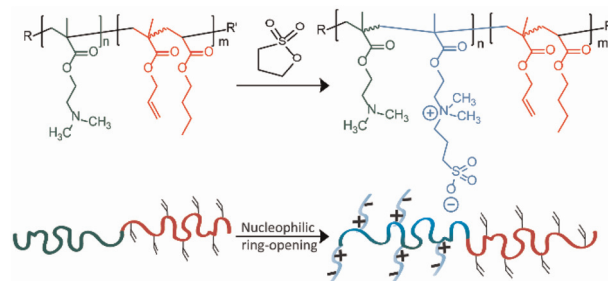


PAPERS

622

Amphiphilic–zwitterionic block polymers

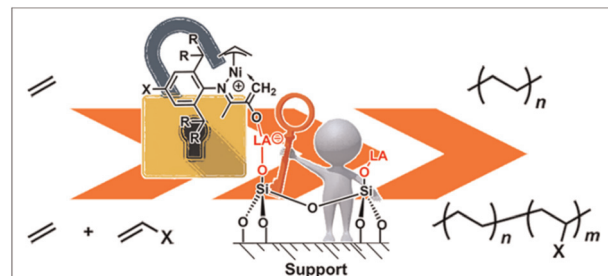
Ria Ghosh, Wen-Wei Wong, Tom Reimers,
Anne Radzanowski, Juan Correa Ruiz and
E. Bryan Coughlin*



631

Lewis acid-induced homo- and heterogeneous nickel catalysts for ethylene polymerization and copolymerization with polar monomers

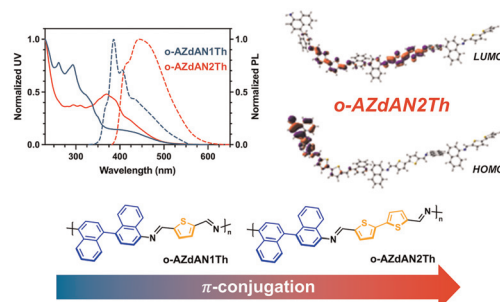
Wanlu Tian, Chao Li,* Chen Tan* and Min Chen*



639

Thiophene- and bithiophene-based π -conjugated Schiff base oligomers containing binaphthalene moieties in the backbone. Properties and computational simulations

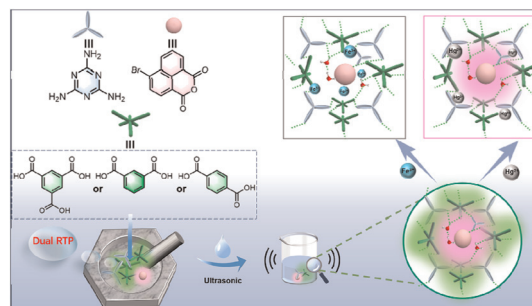
Alexis F. González, Andrea P. Mariman, René A. Hauyon,
Danitza Pavez-Lizana, César Saldías, Eduardo Schott,
Ximena Zarate, Luis García, Carmen M. González-
Henríquez, Ignacio A. Jessop, Alain Tundidor-Camba,*
Patricio A. Sobarzo* and Claudio A. Terraza*



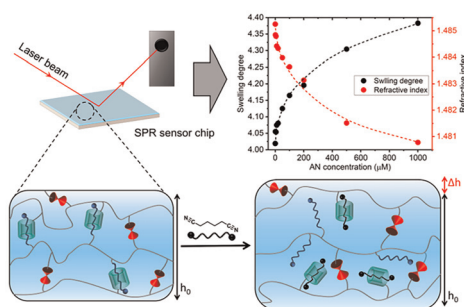
652

***In situ* supramolecular assembly in water for dual room temperature phosphorescence and multicomponent recognition**

Zhong-Yuan Chen, Qing-Qing Xia, Yu-Qi Zhu,
Jia-Lin Yu, Lu Wang, Xing-Huo Wang* and
Ming-Xue Wu*



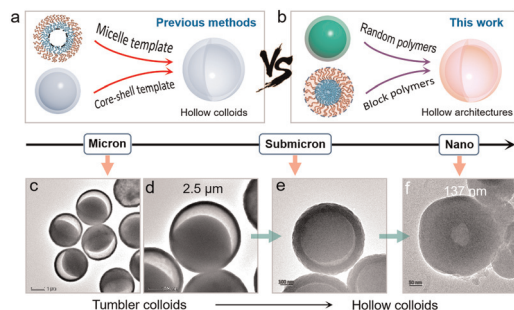
661



Pillar[5]arene-based dually crosslinked supramolecular gel as a sensor for the detection of adiponitrile

Maksim Rodin, David Helle and Dirk Kuckling*

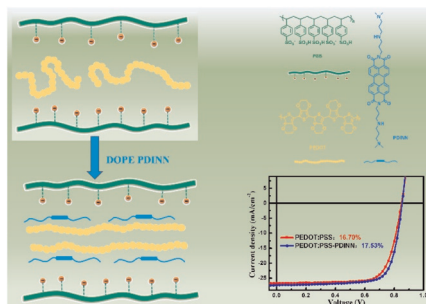
680



General fabrication of hollow colloids from polymer self-assembly cavity-forming strategy

Weiliang Dong, Lei Tian,* Xintong Li, Dai Wang, Haiyu Huang, Jiji Tan, Caizhen Zhu and Jian Xu

692



Enhancing the performance of organic solar cells by using PDINN-doped PEDOT:PSS as the hole transport layer

Zhenyu Zhang, Cai'e Zhang, Wenlong Liu, Xinming Zheng, Qiaoling Chen, Chuluo Yang,* Xinjun Xu* and Zhishan Bo*

