

Polymer Chemistry

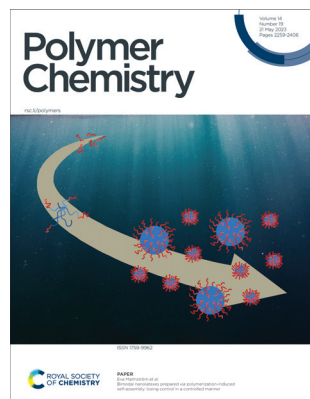
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IN THIS ISSUE

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Cover

See Eva Malmström *et al.*,
pp. 2308–2316.

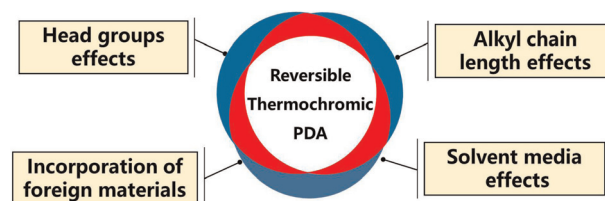
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2023, **14**, 2308.

REVIEW

2266

Recent progress in the design of conjugated polydiacetylenes with reversible thermochromic performance: a review

Zhonghua Yu, Congcong MuYu, Hongcheng Xu,
Jingying Zhao and Guang Yang*

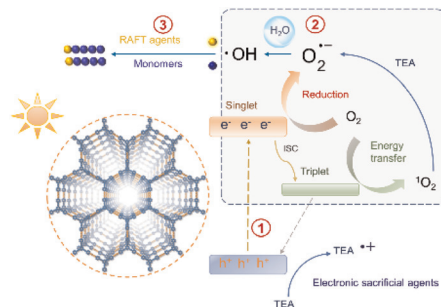


COMMUNICATIONS

2291

Ligand regulation strategy of COF-based photocatalyst for ROS-mediated RAFT polymerization

Zhen Lu, Hongjie Yang, Rui Zhao, Yulai Zhao,
Longqiang Xiao* and Linxi Hou*



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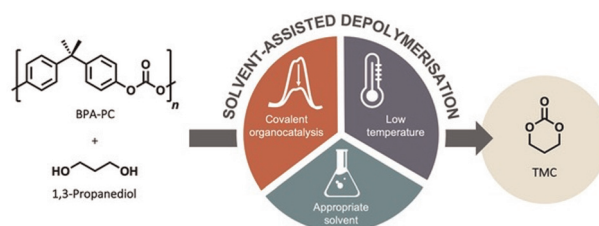


COMMUNICATIONS

2299

Upcycling of BPA-PC into trimethylene carbonate by solvent assisted organocatalysed depolymerisation

Ion Olazabal, Emelin Luna, Steven De Meester, Coralie Jehanno* and Haritz Sardon*



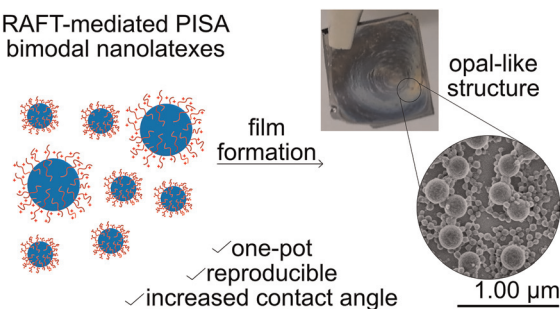
PAPERS

2308

Bimodal nanolatexes prepared via polymerization-induced self-assembly: losing control in a controlled manner

Alexandros E. Alexakis, Olivia R. Wilson and Eva Malmström*

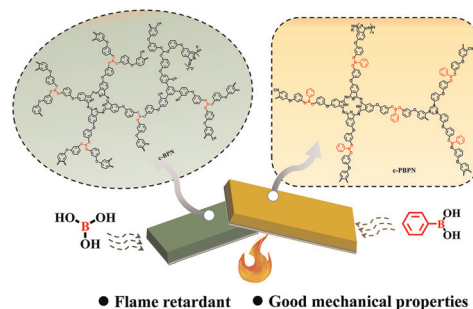
RAFT-mediated PISA
bimodal nanolatexes



2317

High-performance boron-containing phthalonitrile resins

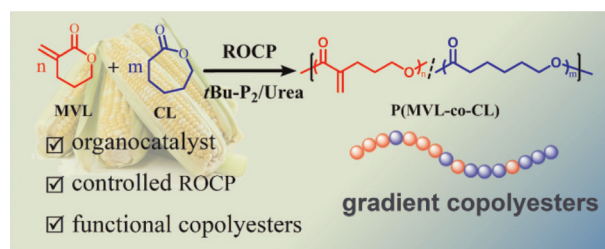
Wenjing Kong, Jiaqi Sun, Muyao Gao, Tianhao Li, Ming Liu* and Yujie Song*



2326

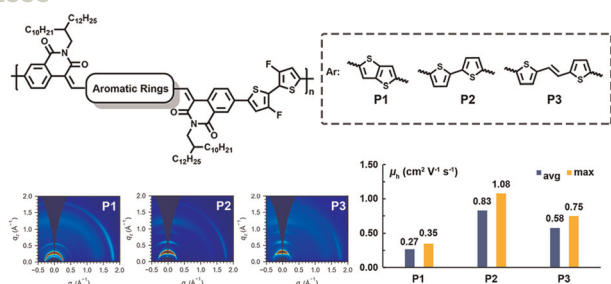
Chemoselective and controlled ring-opening copolymerization of biorenewable α -methylene- δ -valerolactone with ϵ -caprolactone toward functional copolyesters

Yalei Liu, Xinhui Kou, Chen Xu, Wei Zhou, Hongshu Zhang, Fusheng Liu,* Yong Shen* and Zhibo Li*



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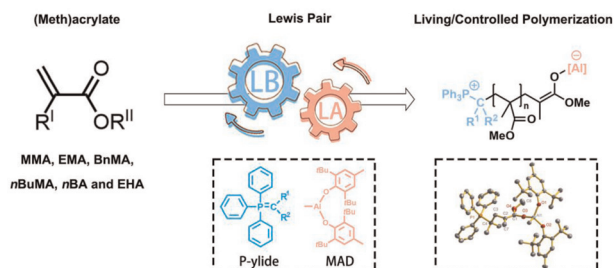
2333



Isoquinoline-1,3-dione-derived conjugated polymers for field-effect transistors: synthesis, properties, and the effect of inner aromatic bridges

Yankai Zhou, Qian Che, Weifeng Zhang,* Hao Li, Xuyang Wei, Xitong Liu, Liping Wang* and Gui Yu*

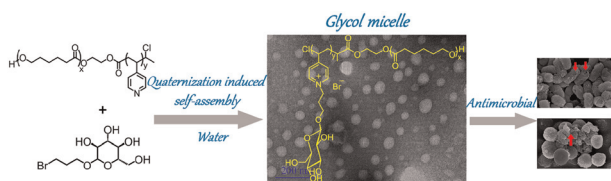
2344



Phosphonium ylide/organaluminum-based Lewis pairs for the highly efficient living/controlled polymerization of alkyl (meth)acrylates

Zhikang Chen, Wuchao Zhao, Conglei Liu, Liuying Jiang,* Gang Fu, Yuetao Zhang* and Hongping Zhu*

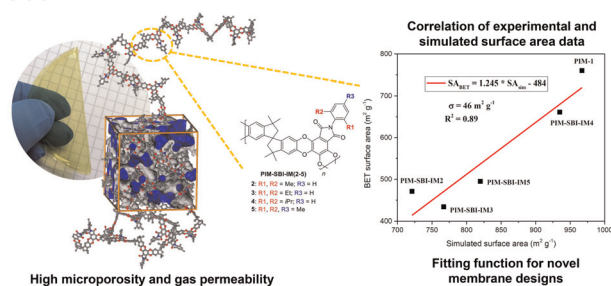
2355



Quaternization-induced micellization of cationic glycopolymers

Jing Chen, Zhaoquan Zheng, Die Li, Zhangbin Guan, Xiaoling Xu, Cenyao Shang, Qiang Zhang* and Guang Zhao Li*

2363



Polymers of intrinsic microporosity containing aryl-phthalimide moieties: synthesis, modeling, and membrane gas transport properties

Fidel E. Rodríguez-González, Cenit Soto, Laura Palacio, Ana L. Montero-Alejo,* Néstor Escalona, Eduardo Schott, Bibiana Comesaña-Gándara,* Claudio A. Terraza* and Alain Tundidor-Camba*

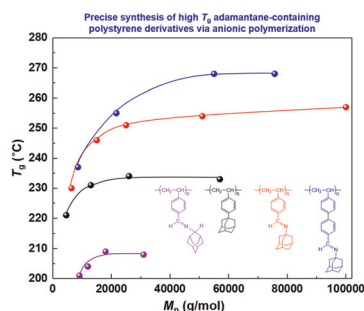


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2374

Precise synthesis of high T_g adamantane-containing polystyrene derivatives *via* anionic polymerization

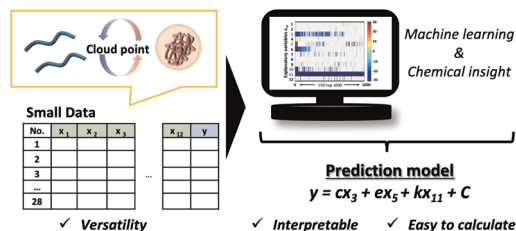
Beom-Goo Kang*



2383

Development of prediction model for cloud point of thermo-responsive polymers by experiment-oriented materials informatics

Mai Hayakawa, Kosuke Sakano, Rei Kumada, Haruka Tobita, Yasuhiko Igarashi, Daniel Citterio, Yuya Oaki and Yuki Hiruta*



2390

Controlled polymerization and side reaction mechanism of bio-sourced pentanediamine-derived semi-aromatic copolyamides

Kejian Yang, Yanlin Liu,* Zhikun Zheng, Zhaobin Tang* and Xudong Chen*

