

# Polymer Chemistry

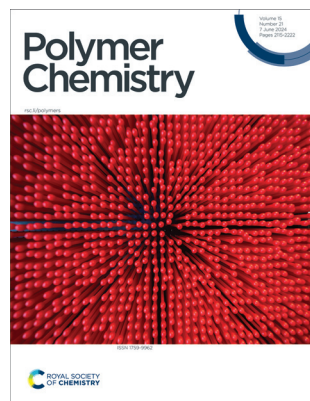
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Cover

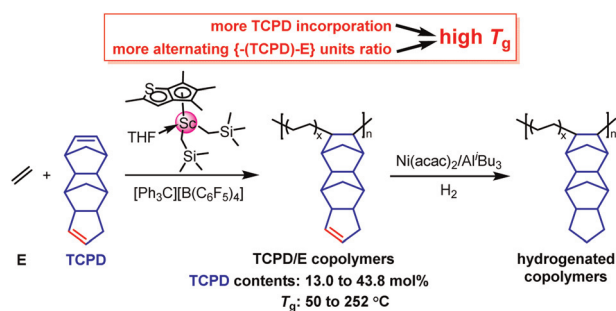
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## PAPERS

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### Copolymerization of tricyclopentadiene and ethylene catalyzed by thiophene-fused-heterocyclic cyclopentadienyl scandium complexes

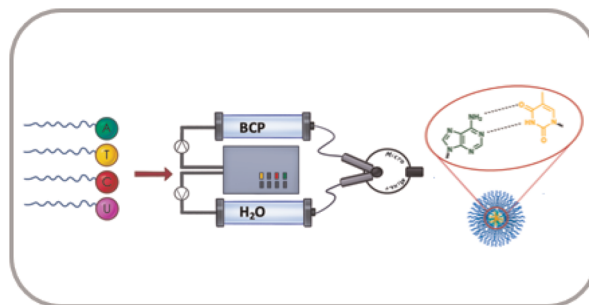
Lingyan Huang, Shunan Zhang, Chunji Wu, Pan He\* and Baoli Wang\*



2129

### Synthesis of nucleobase functionalised block copolymers towards precision self-assembly

Iyomali Abeysekera, Lowie Maes and Tanja Junkers\*



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# RSC Applied Polymers

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both natural and synthetic**

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**Fundamental questions  
Elemental answers**

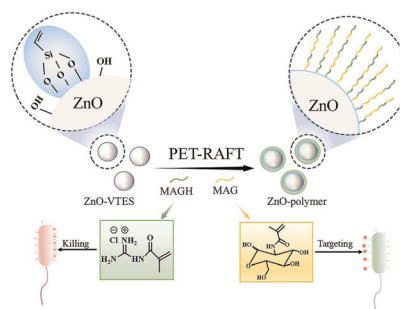


## PAPERS

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### *In situ* PET-RAFT polymerization to prepare guanidine-and-carbohydrate modified ZnO nanoparticles

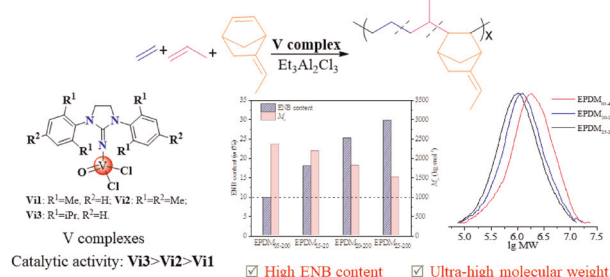
Junyan Zhao, Yu Rao, Hengyuan Zhang, Zhichen Zhu, Lihua Yao, Gaojian Chen\* and Hong Chen\*



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### Imidazolidin-2-iminato vanadium complexes for the synthesis of ethylene/propylene/5-ethylidene-2-norbornene (ENB) terpolymers with high ENB incorporation and ultra-high molecular weight

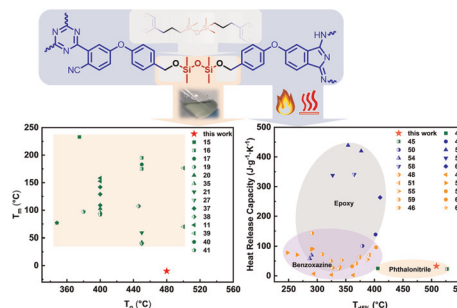
Xiao-Yu Zhang, Hao-Liang Li, Bo Xiang, Xiang-Wei Liu, Shu Zhang\* and Yi-Xian Wu\*



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### Rediscovering phthalonitrile resins: a novel liquid monomer towards high-performance resins

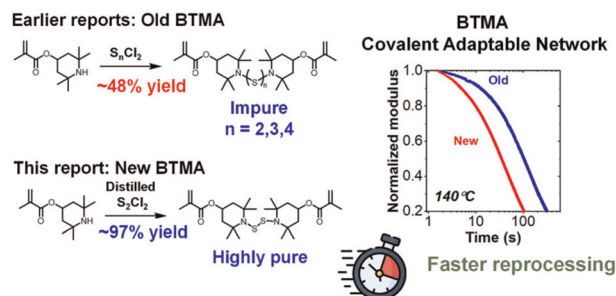
Muyao Gao, Qian Wu, Tianhao Li, Li Liu, Bing Li,\* Yujie Song\* and Ming Liu\*



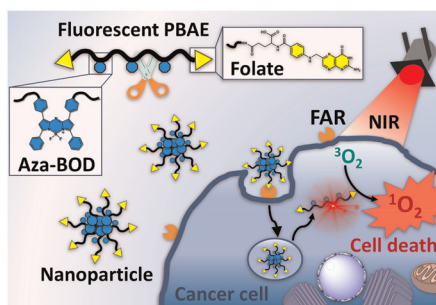
2167

### BiTEMPS methacrylate dynamic covalent cross-linker providing rapid reprocessability and extrudability of covalent adaptable networks: high-yield synthesis with strong selectivity for disulfide linkages

Tapas Debsharma, Nathan S. Purwanto, Logan M. Fenimore, Sarah Mitchell, Jayme Kennedy and John M. Torkelson\*



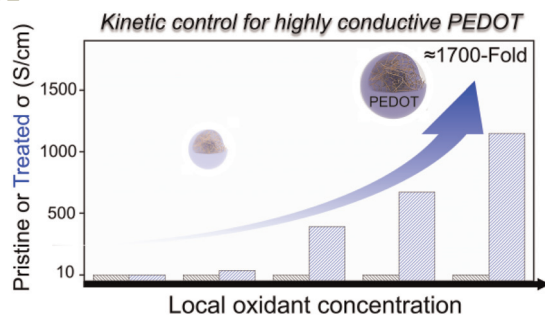
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### Fluorescent poly( $\beta$ -amino ester)s containing aza-BODIPYs as theranostic agents for bioimaging and photodynamic therapy

Seyma Sari, Sena Ünver, Timucin Avsar, Şennur Özçelik, Turker Kilic and Muhammet U. Kahveci\*

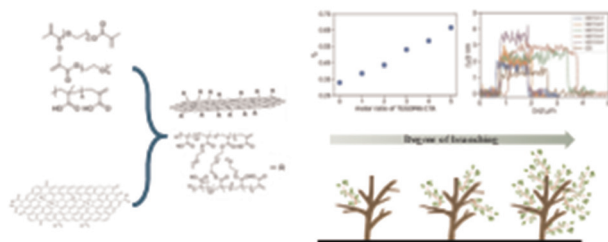
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### Kinetic control in the synthesis of highly conductive solution-processable PEDOTs

Ziyi Guo, Jingming Tang, Jingyuan Yao and Yuda Li\*

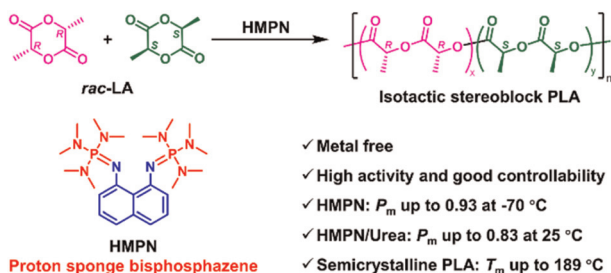
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### Exploiting a branched radical polymerization strategy to enhance the degree of grafting onto graphene oxide

Wai Hin Lee and Stefan A. F. Bon\*

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### Stereoselective ring-opening polymerization of *rac*-lactide catalyzed by the proton sponge bisphosphazene 1,8-bis(hexamethyltriaminophosphazenylnaphthalene

Zhenqing Zhang, Xiaoyu Guo, Xinhui Kou, Na Zhao\* and Zhibo Li\*

