

# Polymer Chemistry

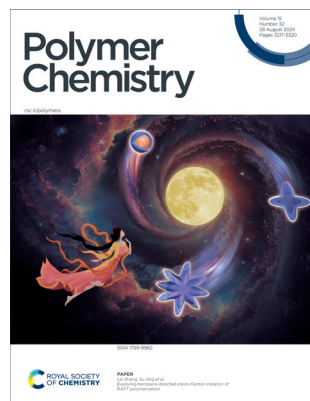
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## IN THIS ISSUE

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### Cover

See Lei Zhang, Su Jing et al., pp. 3229–3237.

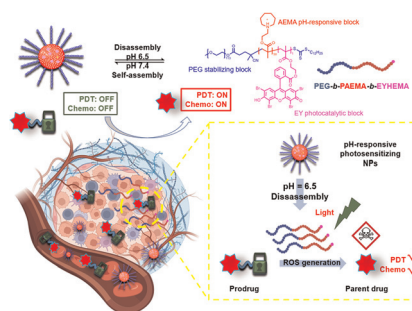
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## COMMUNICATION

3223

### Therapeutic applications of responsive organic photocatalytic polymers, enabling *in situ* drug activation

Rong Li, Xueqing Zhang, Seunghyeon Kim, Volker Mailänder, Katharina Landfester\* and Calum T. J. Ferguson\*

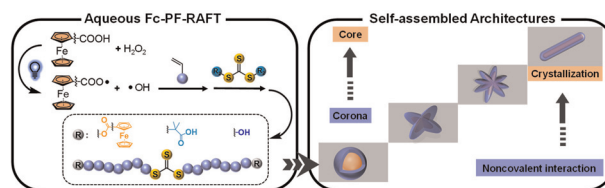


## PAPERS

3229

### Exploring ferrocene-directed photo-Fenton initiation of RAFT polymerization

Xiyang Zhang, Chaobin Pang, Xiaolu Wang, Shuyan Zhang, Lei Zhang,\* Wei Ji, Ling Huang, Yantong Li and Su Jing\*



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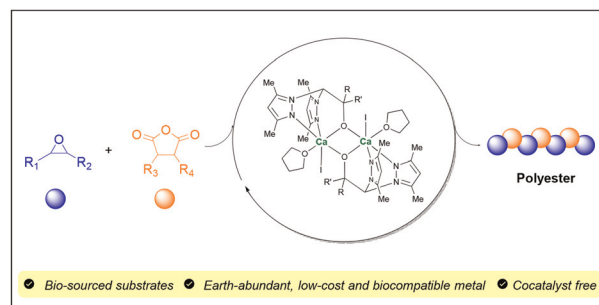


## PAPERS

3238

## Calcium-catalysed ring-opening copolymerisation of epoxides and cyclic anhydrides

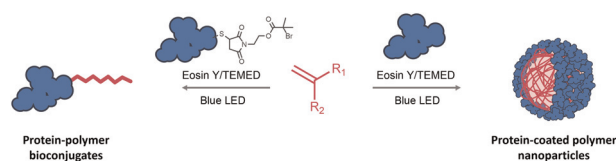
Enrique Francés-Poveda, Marc Martínez de Sarasa Buchaca, Carmen Moya-López, Iñigo J. Vitorica-Yrezabal, Isabel López-Solera, José A. Castro-Osma, Felipe de la Cruz-Martínez\* and Agustín Lara-Sánchez\*



3246

## Oxygen-tolerant, eosin Y mediated synthesis of protein-polymer biohybrids and protein-coated polymer nanoparticles

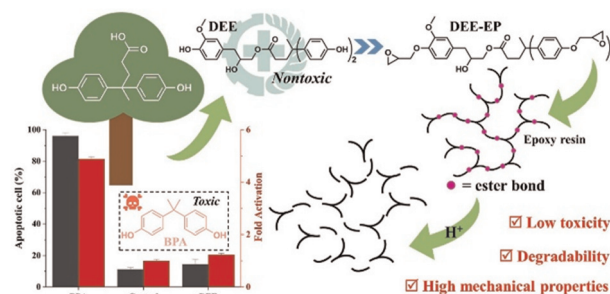
Errika Voutyritsa, Thomai Lazou, Jonida Bushi, Stavroula Margaritaki, Myrto Charitaki, Sune M. Christensen, Nikos S. Hatzakis and Kelly Velonia\*



3256

## A fully degradable epoxy resin based on a nontoxic triphenol derived from diphenolic acid and eugenol

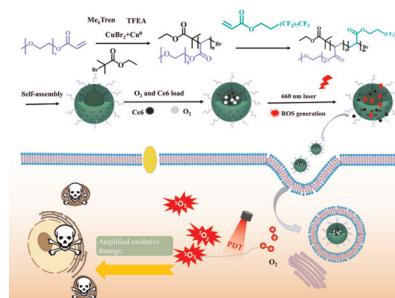
Nianzhao Gao, Yang Lu, Jicheng Li, Feiyang Zhao, Minghui Ru, Shujun Zhao, Shuangfei Xiang, Feiya Fu, Hongyan Diao and Xiangdong Liu\*



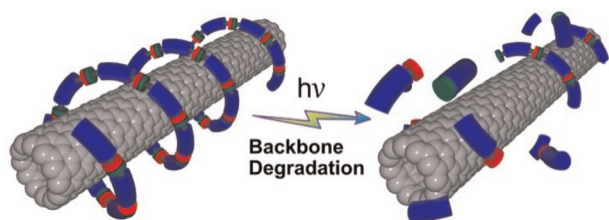
3266

## Hypotoxic amphiphilic polymers with high fluoride content as oxygen carriers enhance photodynamic therapy against hypoxic tumors

Jun-an Zhang, Jiang-feng Sheng, David Haddleton, Paul Wilson, Yong-jie Mo, Hong-li Li, Hong-lei Zhao,\* Lin-hua Zhu,\* Chun-yan Dai\* and Lin-lu Zhao



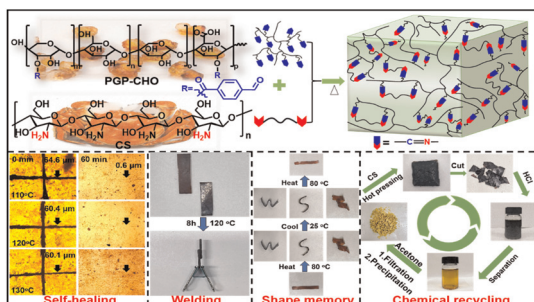
3279



### Synthesis of a functionalized and photodegradable fluorene-based polymer for aqueous SWNT dispersion

Dialia Ritaine, Ben A. Kertesz and Alex Adronov\*

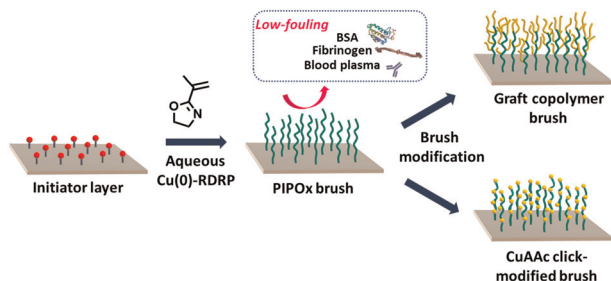
3287



### Robust, malleable, degradable, self-healable, weldable and recyclable polyimine thermosets from natural peach gum and chitosan

Ningning Zhang, Xianjie Pan, Aoqian Xi, Wenpei Chen, Ting Huang and Yanning Zeng\*

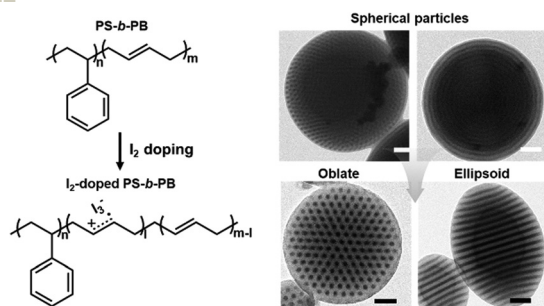
3300



### Well-defined poly(2-isopropenyl-2-oxazoline) brushes provide fouling resistance and versatility in surface functionalization

Manisha Singh, Lenka Poláková, Andres de los Santos Pereira, Ognen Pop-Georgievski, Jan Svoboda, Tomáš Riedel, Sachin Gupta, Zdeňka Sedláková, Vladimír Raus and Rafał Poręba\*

3311



### Chemical doping-assisted shape transformation of block copolymer particles

Zhengping Tan, Jinseok Park, Sang Hoon Han, Tan Ngoc-Lan Phan, Younghyeon Ahn, Meng Xu, Shin-Hyun Kim, Jaeman J. Shin\* and Bumjoon J. Kim\*

