

Polymer Chemistry

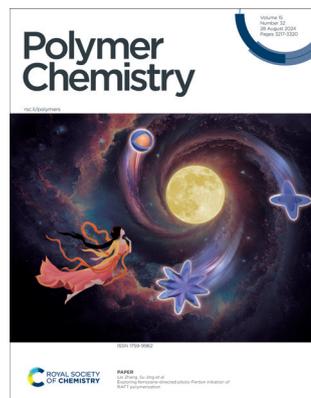
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IN THIS ISSUE

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Cover

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

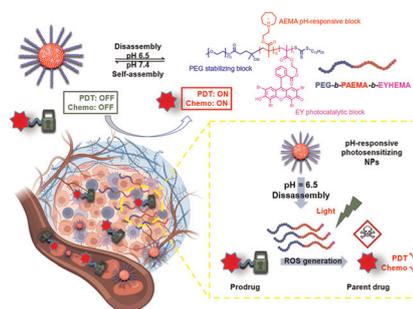
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COMMUNICATION

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*

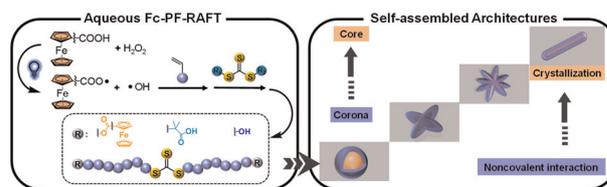


PAPERS

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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Fundamental questions
Elemental answers

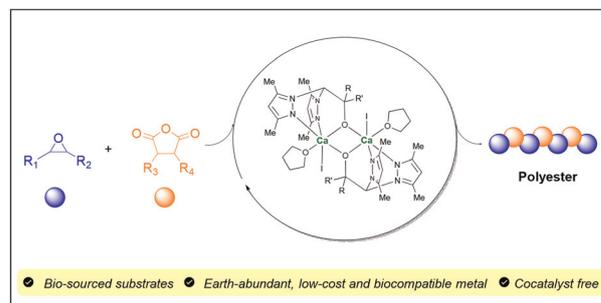


PAPERS

3238

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

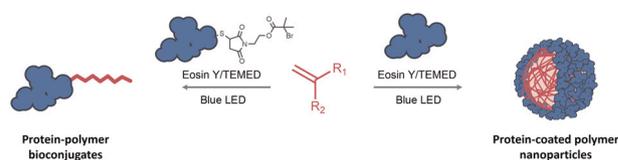
Enrique Francés-Poveda, Marc Martínez de Sarasa Buchaca, Carmen Moya-López, Iñigo J. Vitorica-Yrezabal, Isabel López-Solera, José A. Castro-Osma, Felipe de la Cruz-Martínez* and Agustín Lara-Sánchez*



3246

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

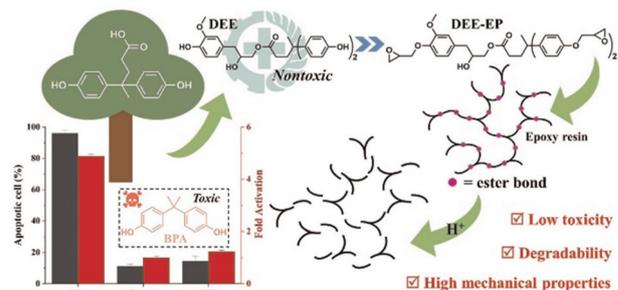
Errika Voutyritsa, Thomai Lazou, Jonida Bushi, Stavroula Margaritaki, Myrto Charitaki, Sune M. Christensen, Nikos S. Hatzakis and Kelly Velonia*



3256

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

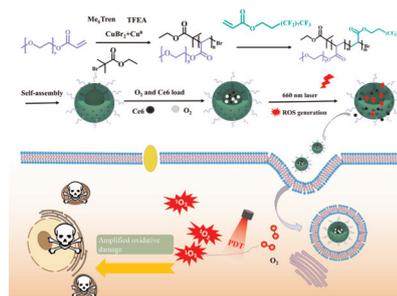
Nianzhao Gao, Yang Lu, Jicheng Li, Feiyang Zhao, Minghui Ru, Shujun Zhao, Shuangfei Xiang, Feiya Fu, Hongyan Diao and Xiangdong Liu*



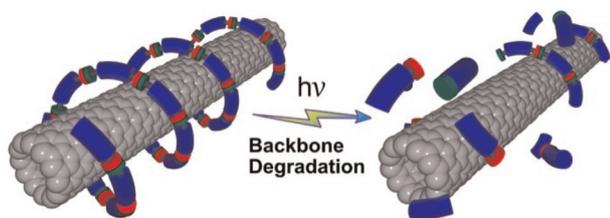
3266

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



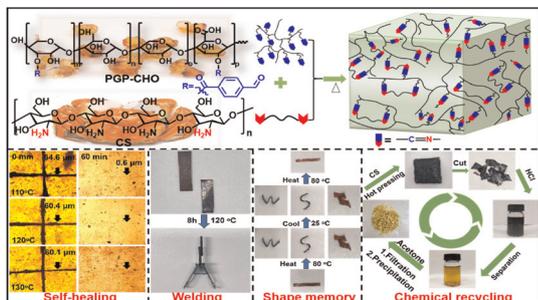
3279



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

Dialia Ritaine, Ben A. Kertesz and Alex Adronov*

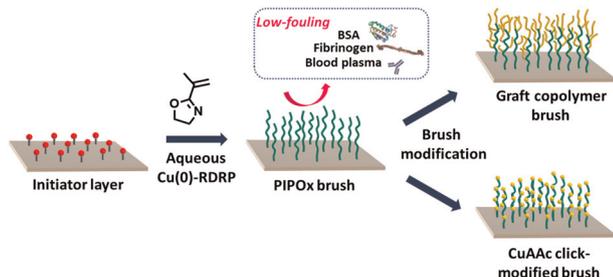
3287



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*

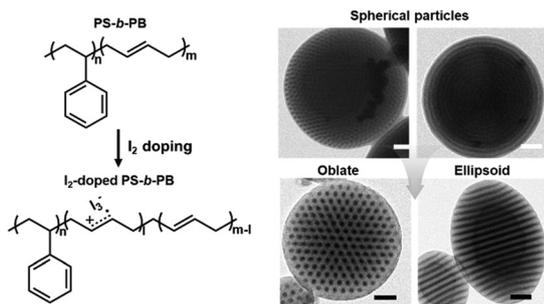
3300



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*

