

# Polymer Chemistry

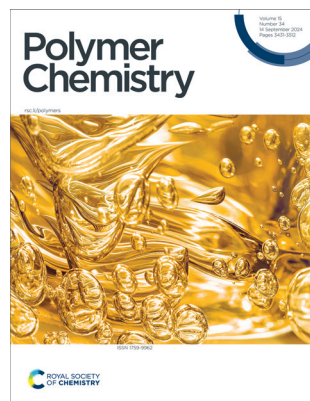
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### Cover

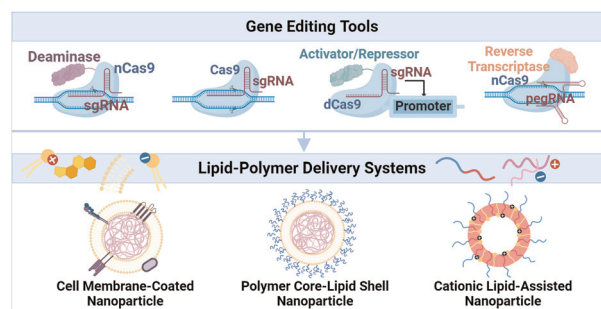
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## REVIEW

3436

### Emerging lipid–polymer hybrid nanoparticles for genome editing

Mariana Gameiro, João F. Mano\* and Vítor M. Gaspar\*

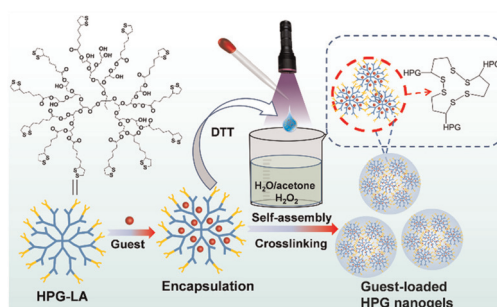


## COMMUNICATIONS

3469

### Integrating encapsulation and self-assembly-induced disulfide cross-linking: a universal strategy for preparing hydrophilic guest-loaded responsive hyperbranched polyglycerol nanogels

Hai Zeng, Qingli Chen and Li Zhou\*



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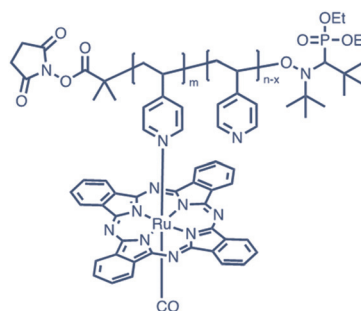
**Fundamental questions  
Elemental answers**

## COMMUNICATIONS

3475

**Coordination of ruthenium phthalocyanine with poly(4-vinylpyridine)**

Menandro V. Cruz, Melanie Cyr, Habiba Boughanmi, José García-Calvo, Jaclyn Brusso, Tomás Torres and Benoît H. Lessard\*

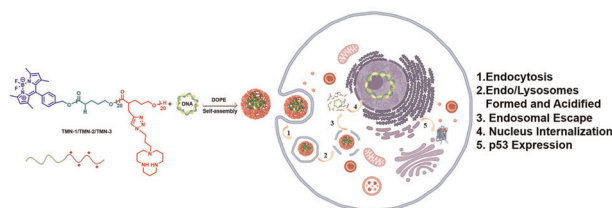


## PAPERS

3480

**Functionalized polyesters based on valerolactones and [12]aneN<sub>3</sub> as effective non-viral gene vectors in HepG2 cells**

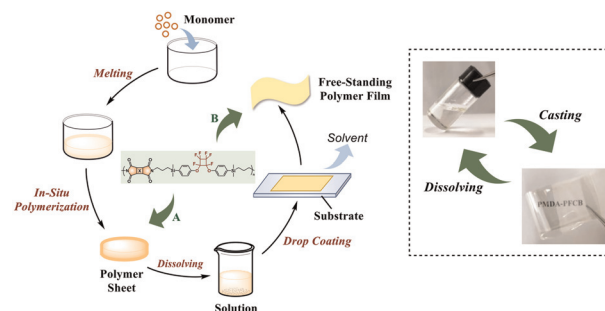
Xi Zhang, De-Zhong Xu, Zi-Han Zhang, Zhi-Xuan Ren, Jia-Rao Wu, Yun-Jie Xu, Zhong-Lin Lu,\* Rui Liu\* and Yang Liu\*



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**Dual-processable semi-aromatic fluorinated polyimides with outstanding optical transparency and low dielectric constants prepared from *in situ* [2 + 2] thermal polymerization**

Hongzhu Chen, Qihua Wu, Lijun Chen, Weixian Zhang, Xiaoli Li, Jianbo Peng and Jiajia Wang\*



3501

**Ethyl cellulose-*block*-poly(benzyl glutamate) block copolymer compatibilizers for ethyl cellulose/poly(ethylene terephthalate) blends**

Abigail F. Chinn, Isabela Trindade Coutinho, Saipranavi Reddy Kethireddy, Noah R. Williams, Kenneth M. Knott, Robert B. Moore\* and John B. Matson\*

