

# Polymer Chemistry

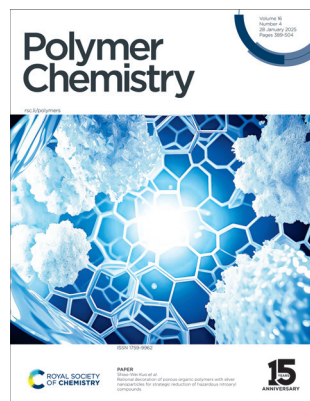
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## IN THIS ISSUE

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### Cover

See Shiao-Wei Kuo *et al.*,  
pp. 422–432.

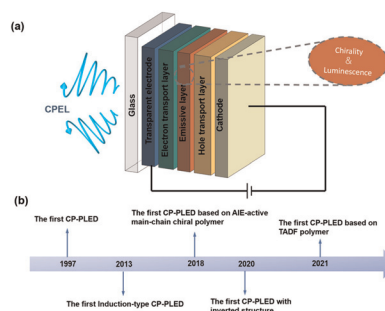
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Mohammed G. Kotp and  
Shiao-Wei Kuo from  
*Polym. Chem.*, 2025, **16**, 422.

## REVIEW

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### Circularly polarized polymeric light-emitting diodes: preparation and properties

Na Wang, Huli Yu,\* Hai Zhong, Min Duan,  
Jianping Deng\* and Biao Zhao\*

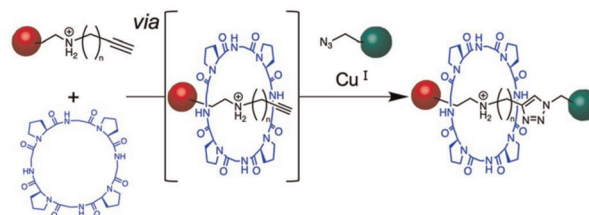


## COMMUNICATIONS

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### Synthesis of cyclic peptide-based [2]rotaxanes via copper-catalyzed azide–alkyne cycloaddition

Taichi Kurita and Keiji Numata\*



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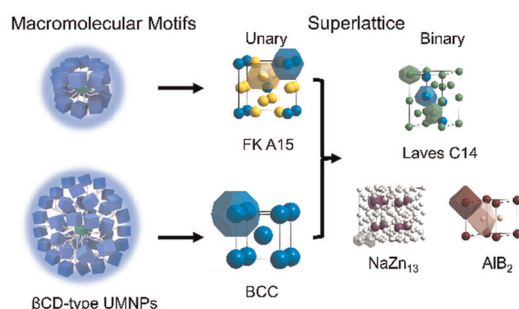
Fundamental questions  
Elemental answers

## COMMUNICATIONS

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### Rational design and size regulation of unimolecular nanoparticles for constructing diverse superlattices in soft matter

Huanyu Lei, Xing-Han Li, Han Hao, Yuchu Liu, Qing-Yun Guo\* and Mingjun Huang\*

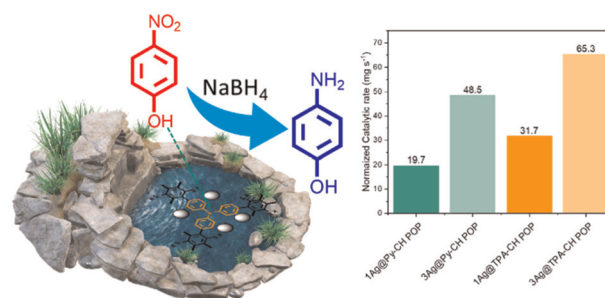


## PAPERS

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### Rational decoration of porous organic polymers with silver nanoparticles for strategic reduction of hazardous nitroaryl compounds

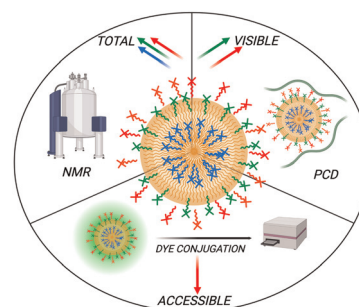
Mohammed G. Kotp, Ahmed F. M. EL-Mahdy and Shiao-Wei Kuo\*



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### Tailoring reactive handles on the surface of nanoparticles for covalent conjugation of biomolecules

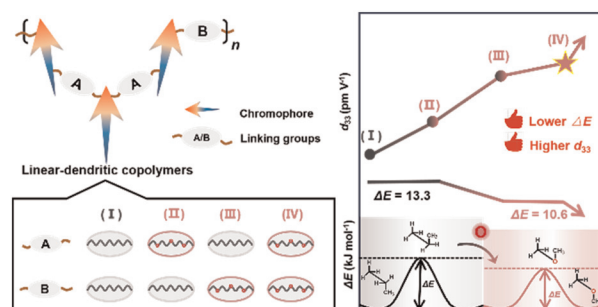
Francesca Mazzotta, Sharafudheen Pottanam Chali, Ingo Lieberwirth, Calum T. J. Ferguson and Katharina Landfester\*



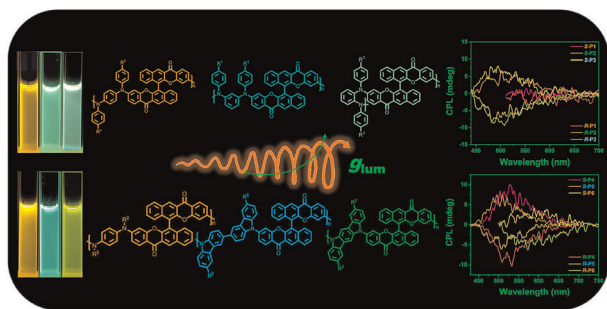
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### High second-order nonlinear optical effect achieved by gradually decreased rotational energy barriers

Panpan Qiao, Wentao Yuan, Qianqian Li\* and Zhen Li\*



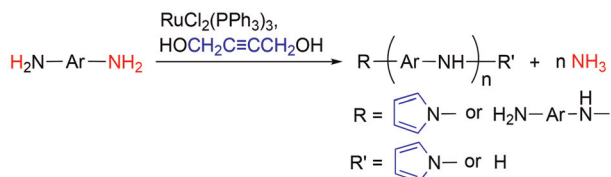
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### Tunable circularly polarized luminescence of D–A type chiral conjugated oligomers via achiral donors

Yuxiang Wang,\* Yabin Feng, Qian Wang and Qi Meng\*

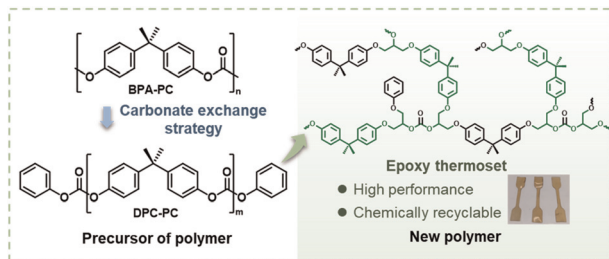
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### Ruthenium-complex-catalysed de-ammonification polycondensation of aromatic diamines

Isao Yamaguchi,\* Takahiro Ooba and Kohei Imoto

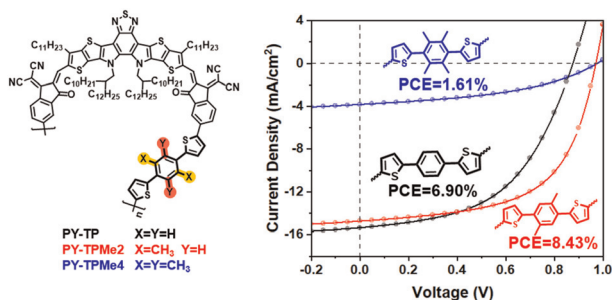
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### The carbonate exchange reaction strategy for chemical recycling of poly(bisphenol A carbonate) into an epoxy-curing agent

Zengping Peng, Haoyue Chen, Maoqing Chai, Rulin Yang,\* Guangqiang Xu,\* Hongguang Sun and Qinggang Wang\*

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### Modulating the packing and photovoltaic performance of (bisthiophene)benzene-linked polymer acceptors through simple methylation engineering

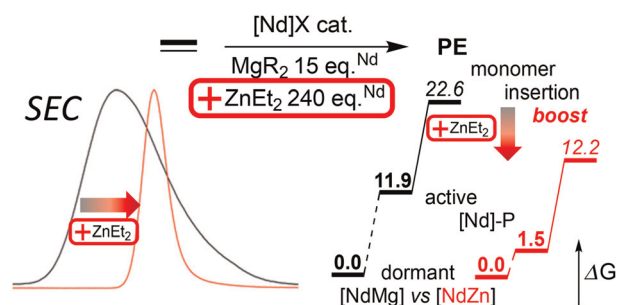
Ruiqi An, Mengqi Cao, Hongxiang Li, Zhongxiang Peng, Xiaofu Wu,\* Hui Tong\* and Lixiang Wang\*



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### Association of Zn- and Mg-based chain transfer agents in coordinative chain transfer polymerizations of olefins for enhanced control and activity

Ariane Desgranges, Ludmilla Verrieux, Victor Lancenet, Nicolas Baulu, François Jean-Baptiste-dit-Dominique, Robert Ngo, Franck D'Agosto,\* Marie-Eve L. Perrin\* and Christophe Boisson\*



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### Dual orthogonal metal-complexes and their utilization for the versatile fabrication of smart interpenetrating polymer networks

Thomas Bätz, Michael F. Agyemang, Josefine Meurer, Julian Hniopek, Stefan Zechel, Michael Schmitt, Jürgen Popp, Martin D. Hager and Ulrich S. Schubert\*

