

# Polymer Chemistry

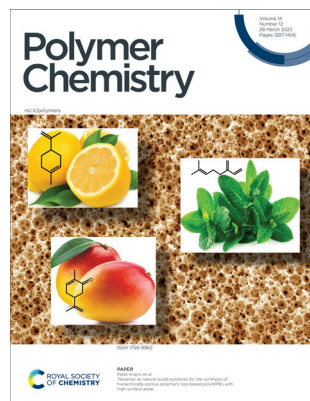
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### Cover

See Peter Krajnc *et al.*,  
pp. 1330–1338.

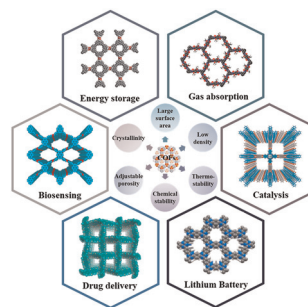
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*Polym. Chem.*,  
2023, **14**, 1330.

## REVIEW

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### Covalent organic frameworks (COFs): a promising CO<sub>2</sub> capture candidate material

Xiaoqiong Wang, Haorui Liu, Jinrui Zhang and Shuixia Chen\*

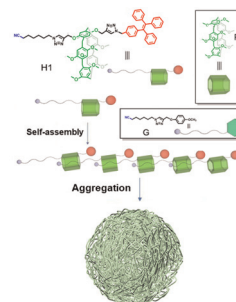


## COMMUNICATIONS

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### Supramolecular aggregates constructed by pillar[5]arene-based host–guest interaction with aggregation-induced emission

Zhanqi Cao,\* Fan Yang, Dongpu Wu, Lulu Wu, Lijie Liu, Guoxing Liu, Xiaochuan Li, Xin Zheng,\* Xianfu Zheng and Dahui Qu\*



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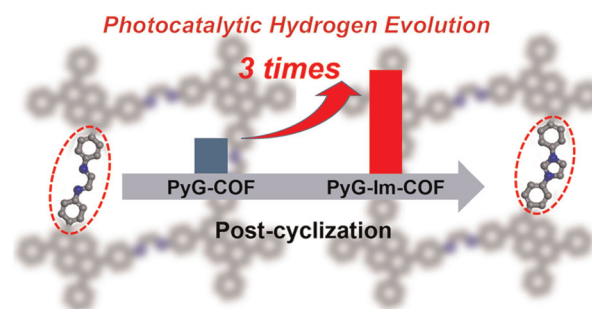


## COMMUNICATIONS

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### Post-cyclization of a bisimine-linked covalent organic framework to enhance the performance of visible-light photocatalytic hydrogen evolution

Huanyu Liu, Yueting Li, Lu Dai, Xiangjian Meng, Anwang Dong, Zimo Zhou, Huixia Lv, Pengfei Li\* and Bo Wang

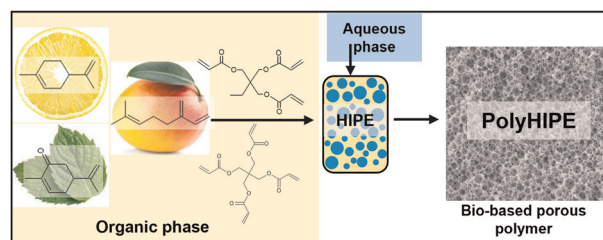


## PAPERS

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### Terpenes as natural building blocks for the synthesis of hierarchically porous polymers: bio-based polyHIPEs with high surface areas

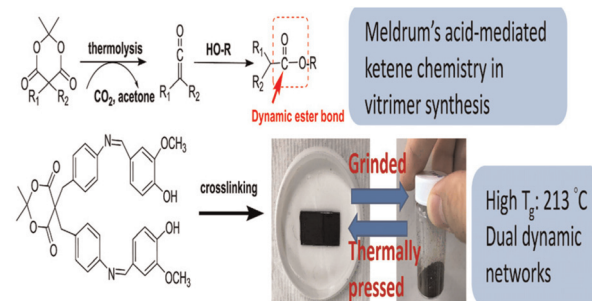
Stanko Kramer, Nika Skušek and Peter Krajnc\*



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### Meldrum's acid mediated ketene chemistry in the formation of ester bonds for the synthesis of vitrimers with high glass transition temperatures

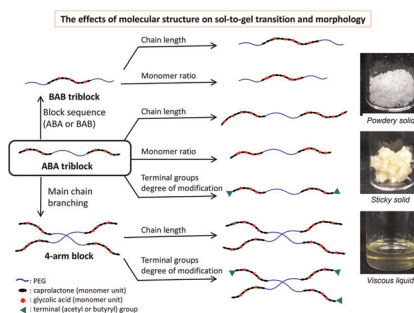
Du-Yuan Hung and Ying-Ling Liu\*



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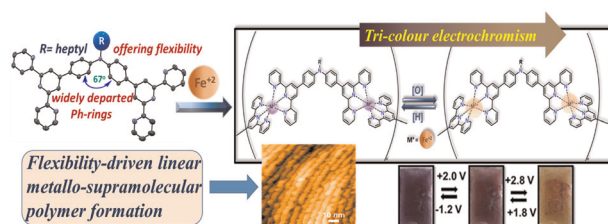
### A systematic study on the effects of the structure of block copolymers of PEG and poly( $\epsilon$ -caprolactone-co-glycolic acid) on their temperature-responsive sol-to-gel transition behavior

Yuichi Ohya,\* Hidenori Yonezawa, Chihiro Moriwaki, Nobuo Murase and Akinori Kuzuya



## PAPERS

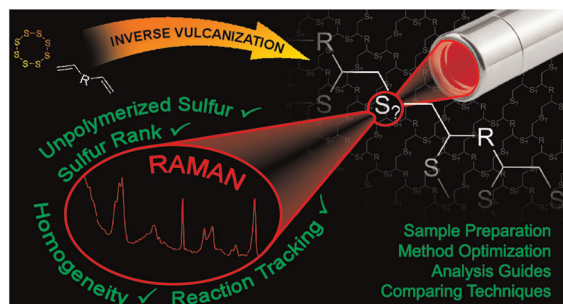
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### Flexibility-driven 1D-structural preference in a bis-terpyridine-Fe(II)-metallo-supramolecular polymer possessing potential tricolor electrochromism

Shivani Tripathi, Sayan Halder, Banchhanidhi Prusti, Chanchal Chakraborty\* and Manab Chakravarty\*

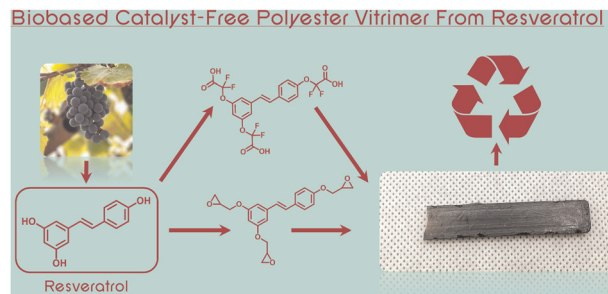
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### Raman analysis of inverse vulcanised polymers

Liam J. Dodd,\* Cássio Lima, David Costa-Milan, Alex R. Neale, Benedict Saunders, Bowen Zhang, Andrei Sarua, Royston Goodacre, Laurence J. Hardwick, Martin Kuball and Tom Hasell\*

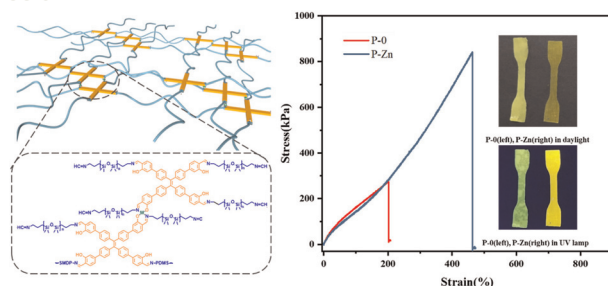
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### From vineyards to reshapable materials: $\alpha$ -CF<sub>2</sub> activation in 100% resveratrol-based catalyst-free vitrimers

Florian Cuminet,\* Sébastien Lemouzy, Éric Dantras, Éric Leclerc, Vincent Ladmiral and Sylvain Caillol\*

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### Dynamic covalent bond and metal coordination bond-cross-linked silicone elastomers with excellent mechanical and aggregation-induced emission properties

Ning Wang, Hui-Wei Feng, Xinhui Hao, Yang Cao, Xing-Dong Xu\* and Shengyu Feng\*

