

# Polymer Chemistry

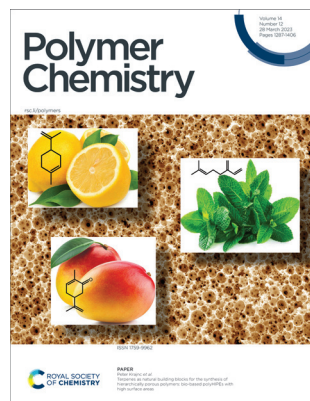
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ISSN 1759-9962 CODEN PCOHC2 14(12) 1287-1406 (2023)



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

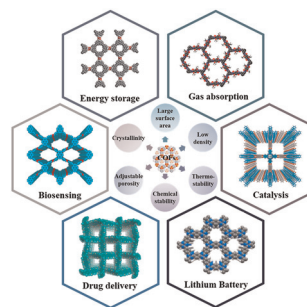
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*Polym. Chem.*,  
2023, **14**, 1330.

## 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\*

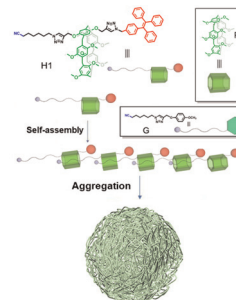


## COMMUNICATIONS

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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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Polymer Chemistry (electronic: ISSN 1759-9962)

is published 48 times a year by the Royal Society of Chemistry,

Thomas Graham House, Science Park, Milton Road, Cambridge,

UK CB4 0WF.

All orders, with cheques made payable to the Royal Society of Chemistry, should be sent to the Royal Society of Chemistry Order Department, Royal Society of Chemistry,

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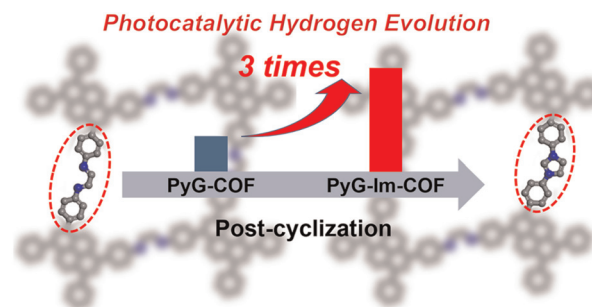


## COMMUNICATIONS

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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

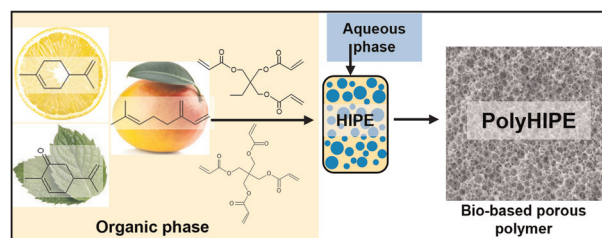


## PAPERS

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

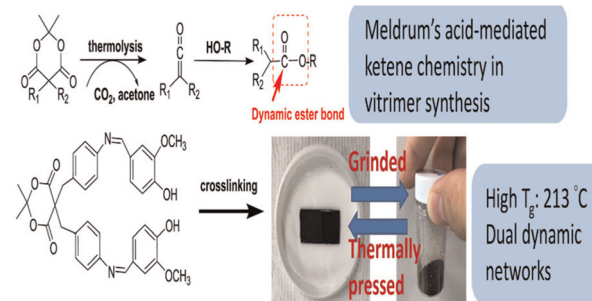
Stanko Kramer, Nika Skušek and Peter Krajnc\*



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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

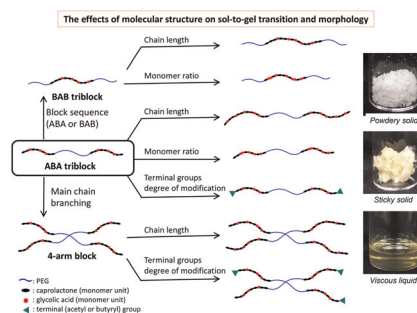
Du-Yuan Hung and Ying-Ling Liu\*



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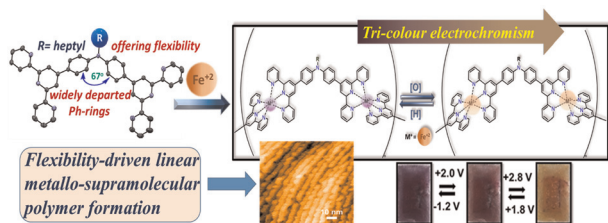
### A systematic study on the effects of the structure of block copolymers of PEG and poly(ε-caprolactone-co-glycolic acid) on their temperature-responsive sol-to-gel transition behavior

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



## PAPERS

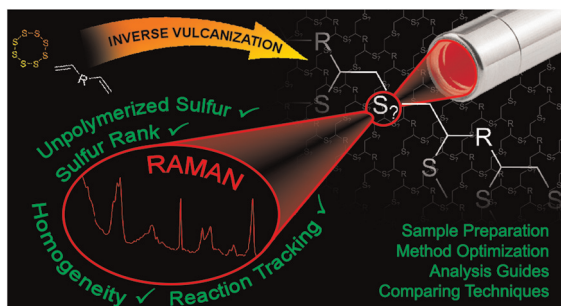
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### Flexibility-driven 1D-structural preference in a bis-terpyridine-Fe(II)-metallo-supramolecular polymer possessing potential tricolor electrochromism

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

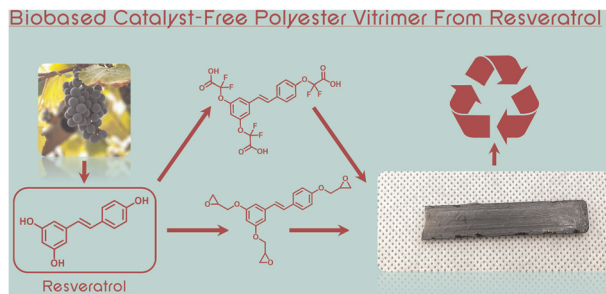
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### Raman analysis of inverse vulcanised polymers

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\*

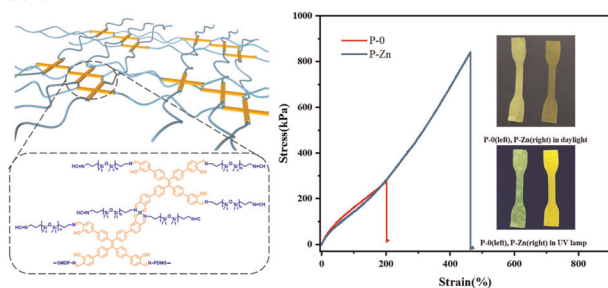
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### From vineyards to reshapable materials: $\alpha$ -CF<sub>2</sub> activation in 100% resveratrol-based catalyst-free vitrimers

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

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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\*

