

# Polymer Chemistry

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## IN THIS ISSUE

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### Cover

See Samuel T. Jones *et al.*,  
pp. 945–951.

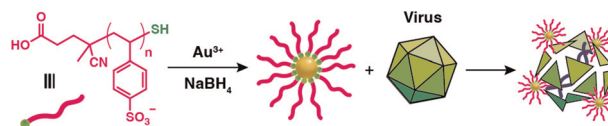
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Samuel T. Jones from  
*Polym. Chem.*, 2024, **15**, 945.

## COMMUNICATIONS

945

### Antiviral mechanism change of poly(styrene sulfonate) through gold nanoparticle coating

Lorraine M. Bhebhe, Jungyeon Kim, Luke M. Jones,  
Elana H. Super and Samuel T. Jones\*

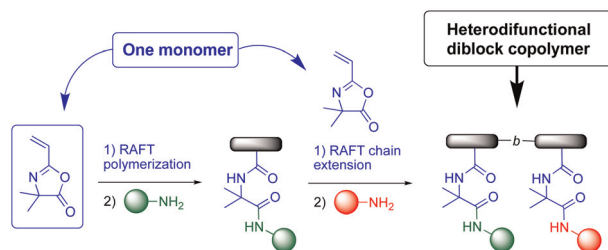


- Broad-spectrum, non-toxic, antiviral
- Mechanistic change from virustatic to virucidal

952

### One stone two birds: from one azlactone-functionalized monomer to a heterofunctional diblock copolymer

Francesca François, Guillaume Gody, James Wilson,  
Laurent Fontaine\* and Sagrario Pascual\*



# Environmental Science: Atmospheres

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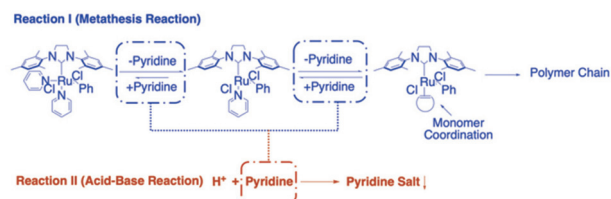
Fundamental questions  
Elemental answers



957

## Ring-opening metathesis polymerization with 2–5 orders of rate increment

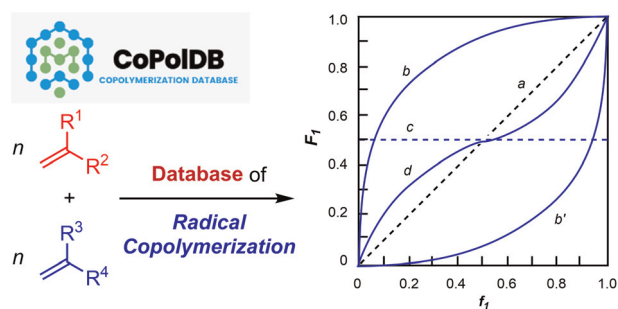
Ning Ren\* and Xinyuan Zhu\*



965

## CoPolDB: a copolymerization database for radical polymerization

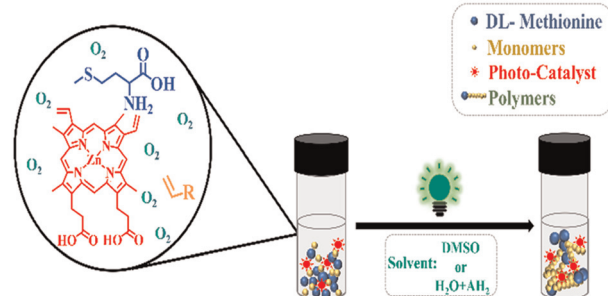
Kei-ichiro Takahashi, Hiroshi Mamitsuka, Masatoshi Tosaka, Nanyi Zhu and Shigeru Yamago\*



972

## Reversible breakage of the C–S bond: function of DL-methionine in PET-RDRP catalyzed by zinc protoporphyrin

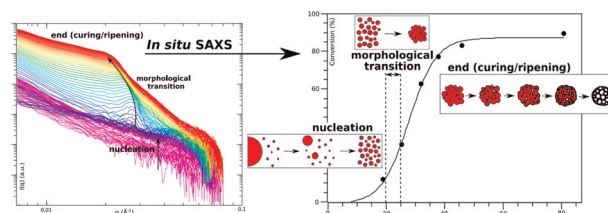
Hanyu Lv, Ziyu Wang, Jiaqi An, Ruiwen Hao, Zongye Wang and Yanwu Zhang\*



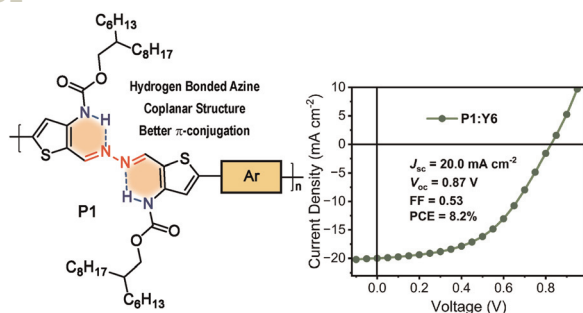
979

## In situ SAXS investigation of vinyl acetate polymerization-induced self-assembly

Fabrice Brunel,\* Paul Galanopoulo, Edgar Espinosa Rodriguez, Muriel Lansalot and Franck D'Agosto



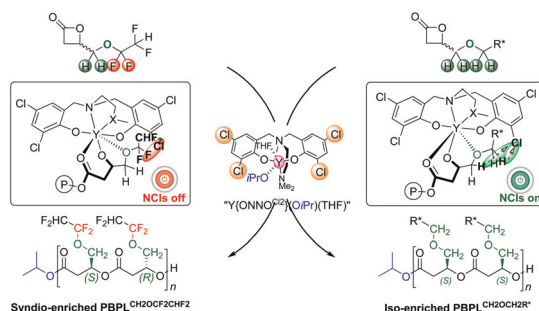
991



### A hydrogen bonded azine as a building block for $\pi$ -conjugated polymers and their semiconducting properties

Kunrong Li, Hezhe Zhang, Cheng Chang, Kaiwen Lin, Bo Zhang, Zaifei Ma,\* Dacheng Wei\* and Qing Zhang\*

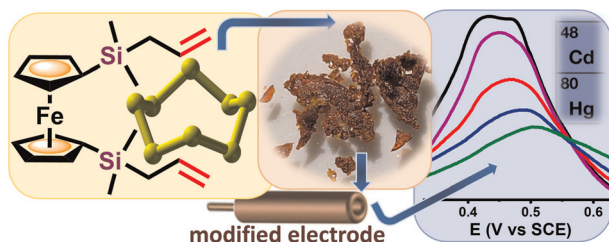
999



### Metal-catalyzed stereoselective ring-opening polymerization of functional $\beta$ -lactones: methylene-alkoxy-fluorinated polyhydroxyalkanoates unveil the role of non-covalent interactions

Ali Dhaini, Rama M. Shakaroun, Ali Alaeddine, Jean-François Carpentier\* and Sophie M. Guillaume\*

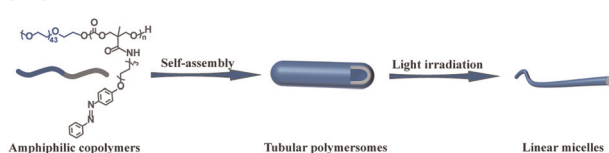
1015



### Electroactive sulfur-rich materials obtained *via* inverse vulcanization of a diallylsilyl-functionalized ferrocene

María Vera-Tuset, Rubén Mas-Ballesté, Isabel Cuadrado, Alicia Moya\* and Sonia Bruña\*

1026



### Synthesis and characterization of light-responsive biodegradable tubular polymersomes

Yanyan Zhu, Zhezhe Li, Suzhen Wang, Jian Gu, Rui L. Reis and Hailong Che\*

