

# RSC

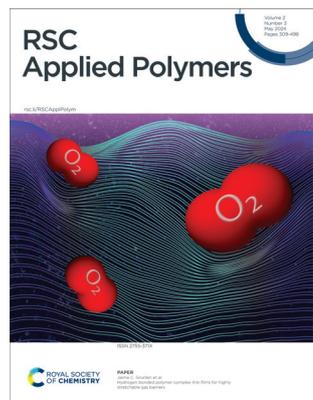
## Applied Polymers

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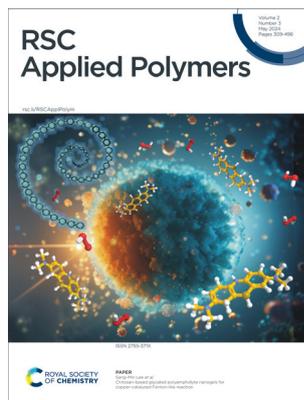
### IN THIS ISSUE

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**Cover**  
See Jaime C. Grunlan *et al.*,  
pp. 356–364.

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**Inside cover**  
See Sang-Min Lee *et al.*,  
pp. 365–373.

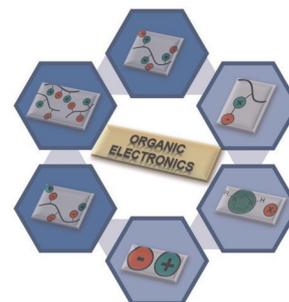
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### REVIEW

317

#### A review: advancing organic electronics through the lens of ionic liquids and polymerized ionic liquids

Swati Arora\* and Nagendra Verma

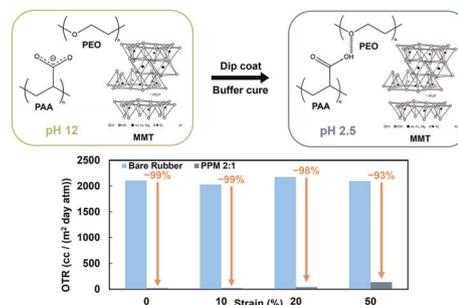


### PAPERS

356

#### Hydrogen bonded polymer complex thin films for highly stretchable gas barriers

Sarah G. Fisher, Hsu-Cheng Chiang, Ethan T. Iverson,  
Edward Chang and Jaime C. Grunlan\*



# Environmental Science: Atmospheres

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Fundamental questions  
Elemental answers

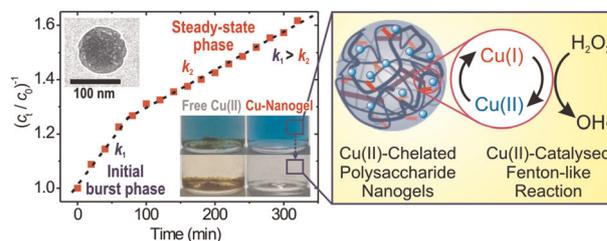


## PAPERS

365

## Chitosan-based glycosylated polyampholyte nanogels for copper-catalysed Fenton-like reaction

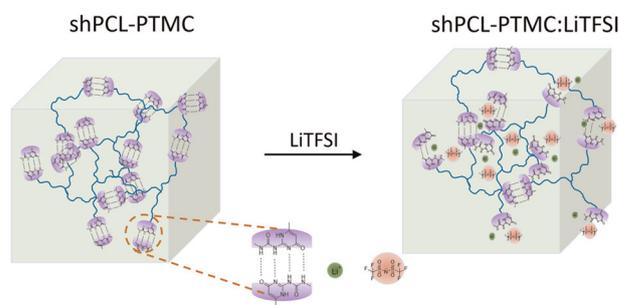
Yeonjoo Jung, Eunseo Lee, So-Lee Baek and Sang-Min Lee\*



374

## Inherent limitations of the hydrogen-bonding UPy motif as self-healing functionality for polymer electrolytes

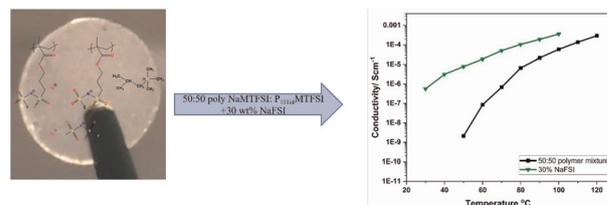
Cuc Thu Mai, Harish Gudla, Guiomar Hernández, Kristina Edström and Jonas Mindemark\*



384

## Ion conduction and phase behaviour in dual cation polyelectrolyte blends for sodium-ion batteries

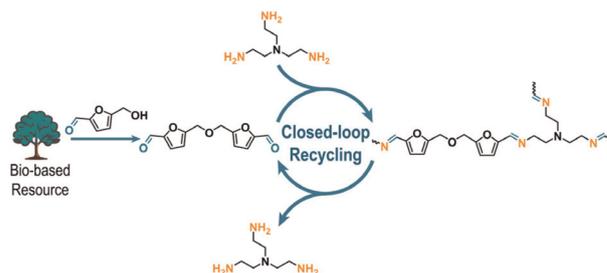
Sneha Malunavar, Luca Porcarelli,\* Patrick C. Howlett, David Mecerreyes and Maria Forsyth\*



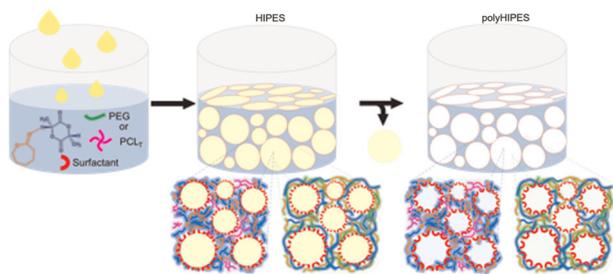
395

## Closing the loop: polyimine thermosets from furfural derived bioresources

Tankut Türel, Keita Saito, Ivona Glišić, Tim Middelhoeck and Željko Tomović\*



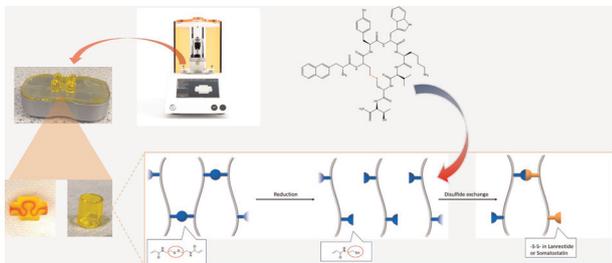
403



### Ring-opening polymerization of emulsion-templated deep eutectic system monomer for macroporous polyesters with controlled degradability

Martin Castillo-Santillan, Priscila Quiñonez-Angulo, Dina Maniar, José Román Torres-Lubian, María C. Gutiérrez, Théophile Pelras, Albert J. J. Woortman, Qi Chen, María Guadalupe Pérez-García, Katja Loos\* and Josué D. Mota-Morales\*

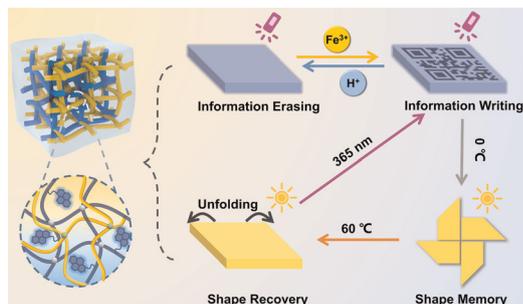
415



### Fabrication of 3D objects incorporating peptides covalently attached *via* reversible disulfide linkages with potential for controlled drug release

Zhongyuan Wan, Wai Hin Lee, Yicheng Wang, Ataula Shegiwal\* and David M. Haddleton\*

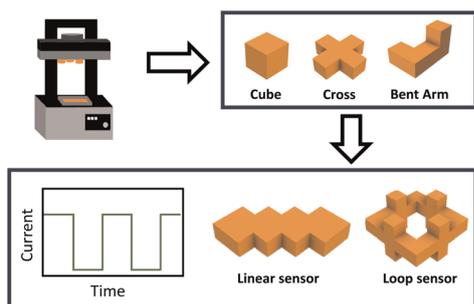
426



### An organohydrogel with tunable fluorescence and shape-memory property for advanced anti-counterfeiting

Yu Sun, Hui Shang, Xiaoxia Le\* and Tao Chen\*

434



### 3D printed modular piezoelectric sensors using dynamic covalent bonds

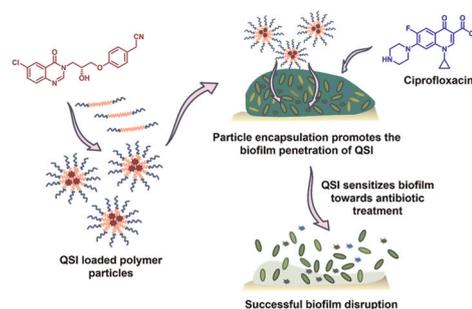
Julian Smith-Jones, Nathan Ballinger, Naroa Sadaba, Xabier Lopez de Pariza, Yunxin Yao, Stephen L. Craig, Haritz Sardon and Alshakim Nelson\*



444

### Triblock copolymer micelles enhance solubility, permeability and activity of a quorum sensing inhibitor against *Pseudomonas aeruginosa* biofilms

Karolina Kasza, Fadi Soukariéh, Manuel Romero, Kim R. Hardie, Pratik Gurnani, Miguel Cámara and Cameron Alexander\*



456

### Enhancing microplastic capture efficiencies with adhesive coatings on stainless-steel filters

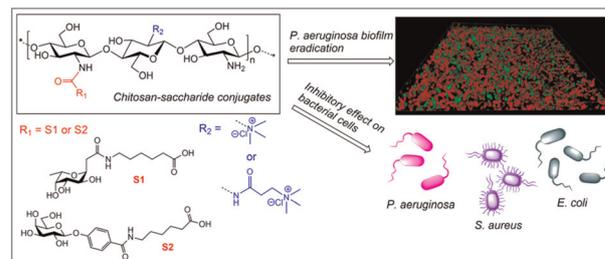
Malavika Ramkumar, Woojung Ji, Henry E. Thurber, Madeline E. Clough, Sarena Chiridon and Anne J. McNeil\*



461

### Chitosan–saccharide conjugates for eradication of *Pseudomonas aeruginosa* biofilms

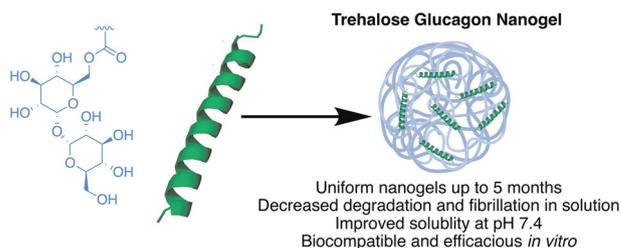
Priyanka Sahariah,\* Francesco Papi, Koi L. Merz, Olafur E. Sigurjonsson, Rikke Louise Meyer and Cristina Nativi



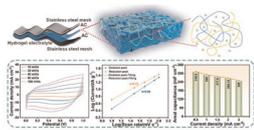
473

### Uniform trehalose nanogels for glucagon stabilization

Ellie G. Puente, Rajalakshmi P. Sivasankaran, Daniele Vinciguerra, Jane Yang, Haillie-Ann C. Lower, Andrea L. Hevener and Heather D. Maynard\*



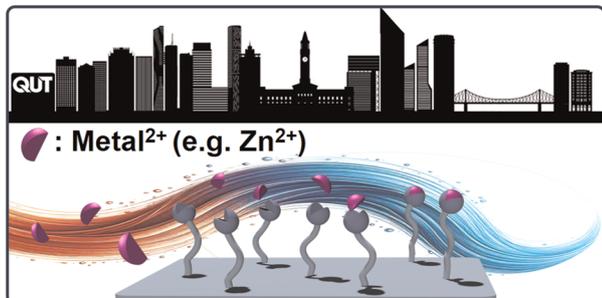
483



### Ultrathin redox active hydrogel electrolytes for high performance flexible supercapacitors

Mengmeng Xun, Xiuting Shi, Haiping Wang, Xiaoyan Li, Wenxing Miao, Xiangbing Wang, Kanjun Sun, Hui Peng, Guofu Ma\* and Yuxi Xu\*

490



### A bioinspired approach to reversibly metal binding interfaces

Agnes C. Morrissey, Vishakya Jayalatharachchi, Lukas Michalek, Prasanna Egodawatta, Neomy Zaquen, Laura Delafresnaye\* and Christopher Barner-Kowollik\*

