

# Polymer Chemistry

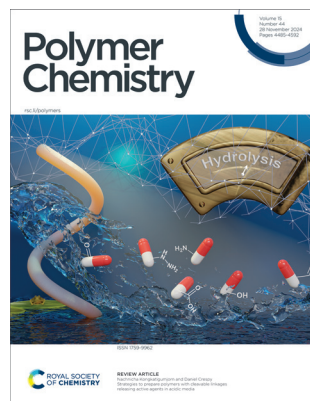
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## IN THIS ISSUE

ISSN 1759-9962 CODEN PCOHC2 15(44) 4485-4592 (2024)



### Cover

See Nachnicha Kongkatigumjorn and Daniel Crespy, pp. 4491–4518.

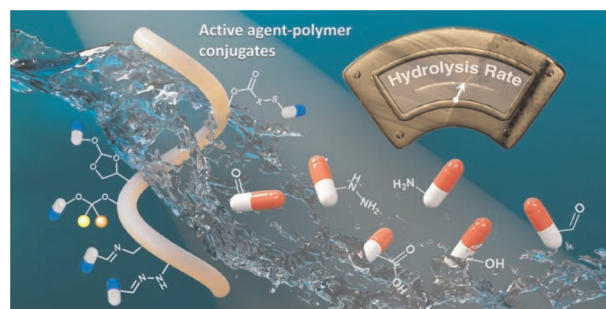
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## REVIEW

4491

### Strategies to prepare polymers with cleavable linkages releasing active agents in acidic media

Nachnicha Kongkatigumjorn and Daniel Crespy\*



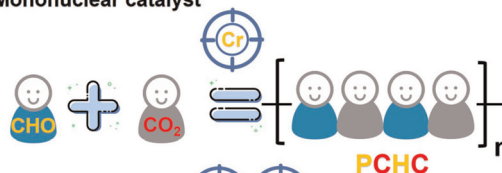
## PAPERS

4519

### Catalytic copolymerization of carbon dioxide and cyclohexene oxide by a trinuclear cyclohexane-bridged tetradentate Schiff base chromium complex

Jie Huang and Boxiong Shen\*

#### Mononuclear catalyst



#### Trinuclear catalyst



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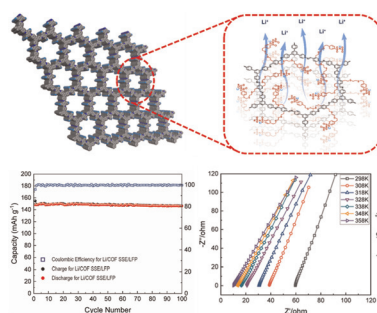
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## PAPERS

4529

### Single-ion quasi-solid-state electrolytes based on sulfonimide-functionalized covalent organic framework

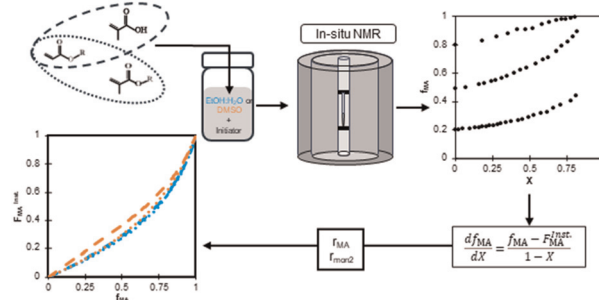
Haomin Wu, Wencan Ma, Xin Huang, Yifeng Cai, Junheng Li, Qiaobo Liao, Kai Xi, Qihong Zhang\* and Xudong Jia\*



4542

### Acrylate–methacrylate radical copolymerization kinetics of sparingly water-soluble monomers in polar and nonpolar solvents

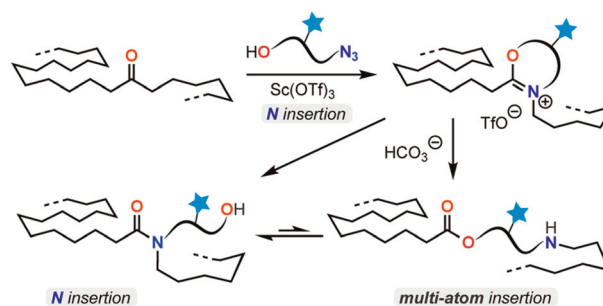
Noushin Rajabalinia, Fatemeh Salarhosseini and Robin A. Hutchinson\*



4554

### Backbone editing of oxidized polyethylene: insertion of oxygen and nitrogen atoms via hydroxyalkyl azide-mediated rearrangements

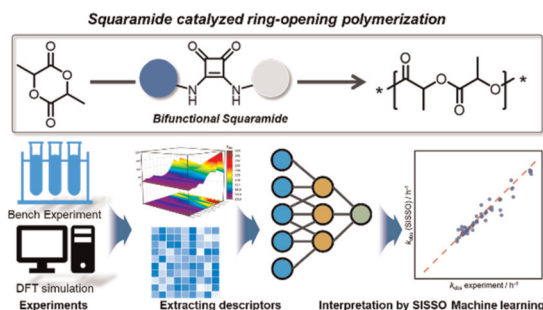
Andrew J. King, Ryan P. Sherrier, Jeffrey Aubé and Aleksandr V. Zhukhovitskiy\*



4562

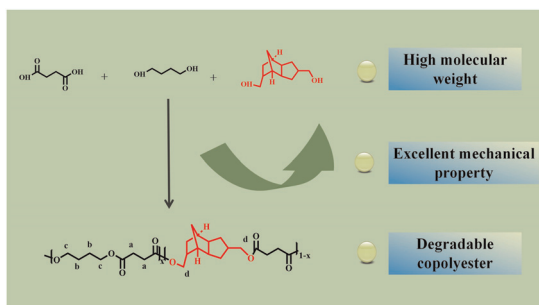
### Interpretable machine learning assisted insights into bifunctional squaramide catalyzed ring-opening polymerization of lactide

Shaoju Cao, Mengting Hong, Junyuan Hu, Zhenjiang Li,\* Jin Huang\* and Kai Guo



## PAPERS

4570

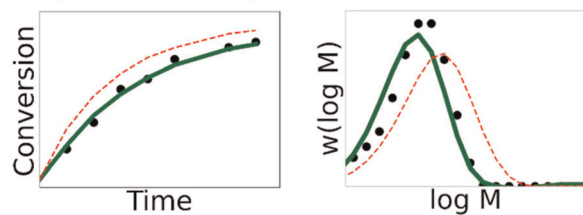


### Synthesis of degradable polyester with high molecular weight and excellent mechanical properties through copolymerization modification of poly(butylene succinate)

Hongji Wang, Xiaojun Ma, Hanyu Yao, Haohao Chang, Yin Lv\* and Zhong Wei\*

4580

### Data + Kinetic model = Polymer Chemistry Informed Neural Network



### Polymer chemistry informed neural networks (PCINNs) for data-driven modelling of polymerization processes

Nicholas Ballard,\* Jon Larrañaga, Kiarash Farajzadehahary and José M. Asua

