

# Polymer Chemistry

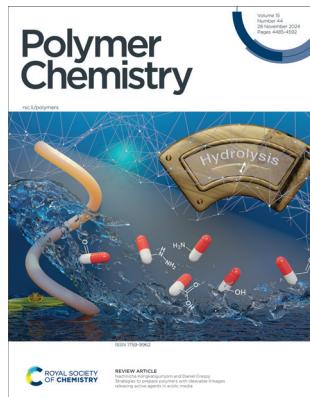
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### Cover

See Nachnicha Kongkati-gumjorn 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\*



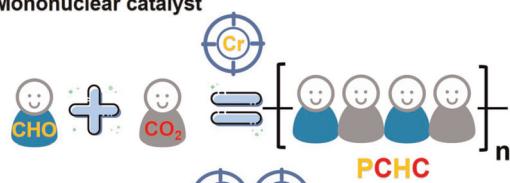
## PAPERS

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### 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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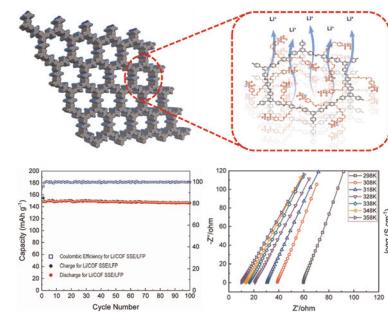


## PAPERS

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**Single-ion quasi-solid-state electrolytes based on sulfonimidate-functionalized covalent organic framework**

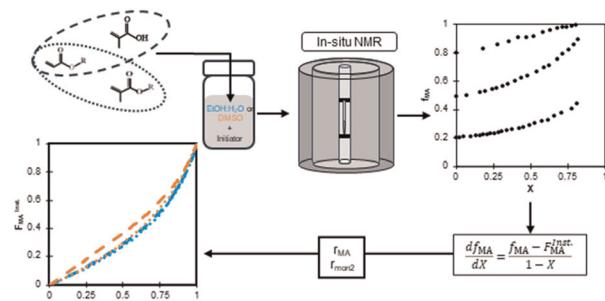
Haomin Wu, Wencan Ma, Xin Huang, Yifeng Cai, Junheng Li, Qiaobo Liao, Kai Xi, QiuHong Zhang\* and Xudong Jia\*



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

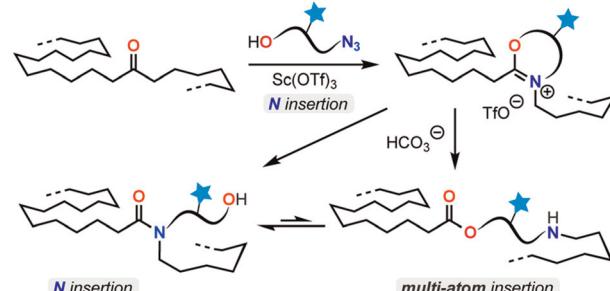
Noushin Rajabalinia, Fatemeh Salarhosseini and Robin A. Hutchinson\*



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

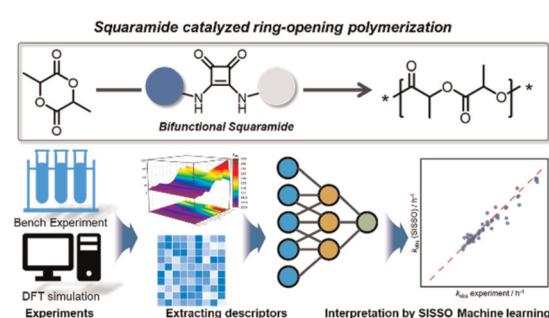
Andrew J. King, Ryan P. Sherrier, Jeffrey Aubé and Aleksandr V. Zhukhovitskiy\*



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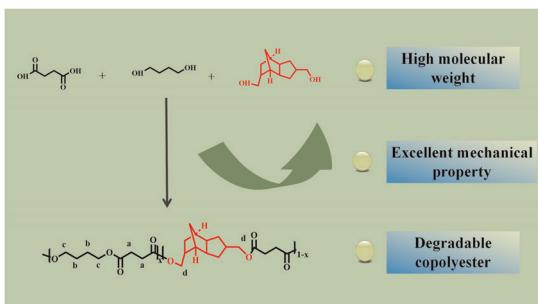
**Interpretable machine learning assisted insights into bifunctional squaramide catalyzed ring-opening polymerization of lactide**

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



## PAPERS

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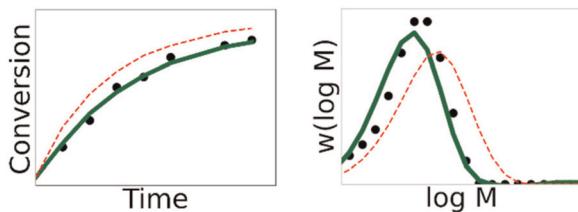
**Synthesis of degradable polyester with high molecular weight and excellent mechanical properties through copolymerization modification of poly(butylene succinate)**

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

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**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