

Polymer Chemistry

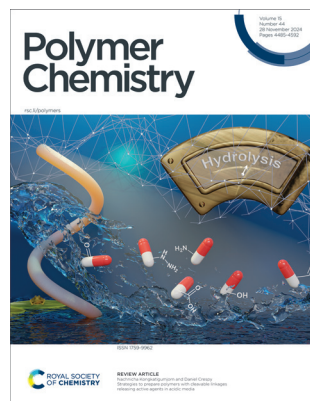
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Cover

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

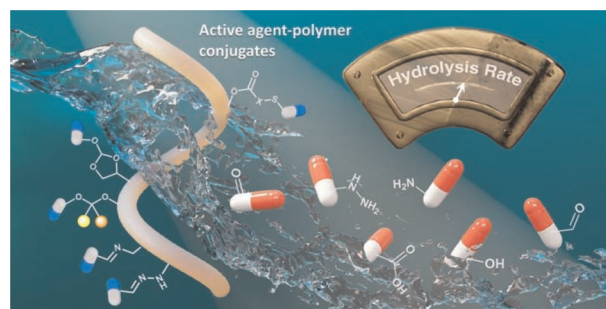
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REVIEW

4491

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

Nachnicha Kongkatigumjorn and Daniel Crespy*



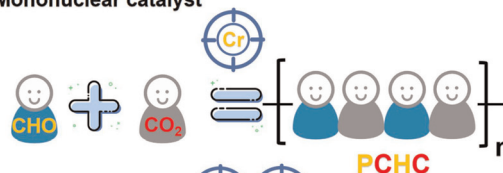
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Catalytic copolymerization of carbon dioxide and cyclohexene oxide by a trinuclear cyclohexane-bridged tetradentate Schiff base chromium complex

Jie Huang and Boxiong Shen*

Mononuclear catalyst



Trinuclear catalyst



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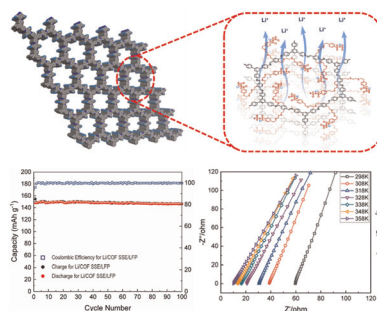


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Single-ion quasi-solid-state electrolytes based on sulfonimide-functionalized covalent organic framework

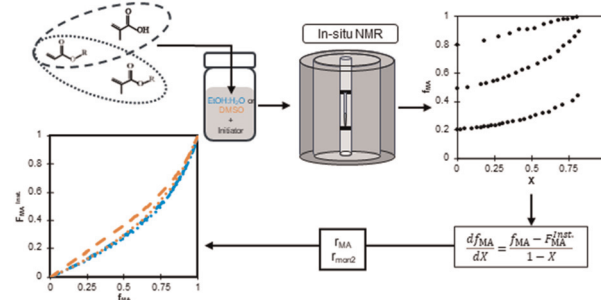
Haomin Wu, Wencan Ma, Xin Huang, Yifeng Cai, Junheng Li, Qiaobo Liao, Kai Xi, Qihong Zhang* and Xudong Jia*



4542

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

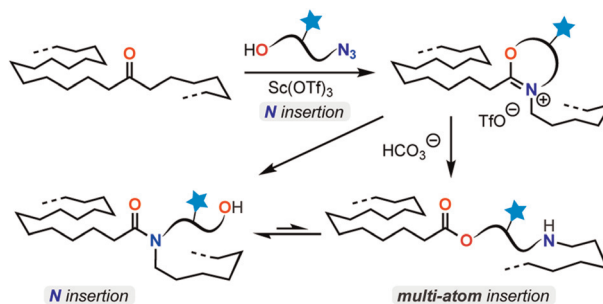
Noushin Rajabalinia, Fatemeh Salarhosseini and Robin A. Hutchinson*



4554

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

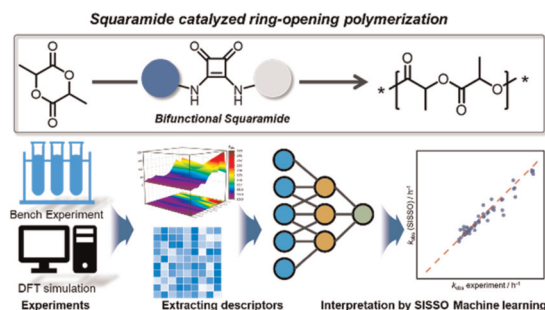
Andrew J. King, Ryan P. Sherrier, Jeffrey Aubé and Aleksandr V. Zhukhovitskiy*



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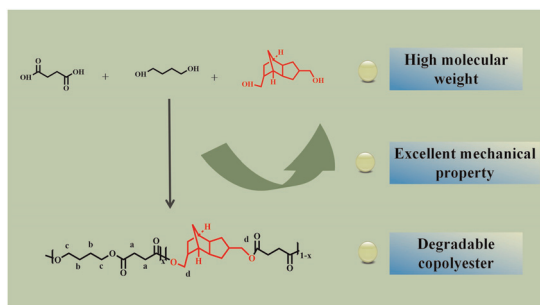
Interpretable machining learning assisted insights into bifunctional squaramide catalyzed ring-opening polymerization of lactide

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



PAPERS

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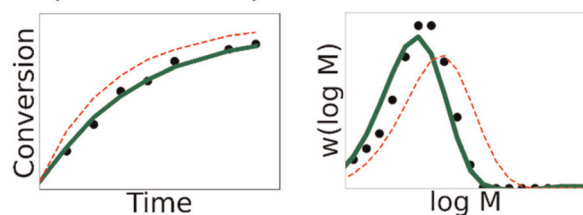


Synthesis of degradable polyester with high molecular weight and excellent mechanical properties through copolymerization modification of poly(butylene succinate)

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

