Polymer Chemistry

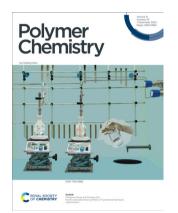
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See Mengyao Zhang and Shengyu Dai, pp. 4627-4636.

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REVIEW

4599

Emerging trends in the chemistry of polymeric resists for extreme ultraviolet lithography

Jie Cen, Zhengyu Deng* and Shiyong Liu*



High EUV Absorbance

Reduced Stochastics Small & Precise Component



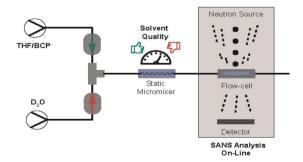


COMMUNICATIONS

4615

Solvent quality shape control in continuous flow block copolymer self-assembly

Axel-Laurenz Buckinx, Lakshani J. Weerarathna, Anna Sokolova and Tanja Junkers*





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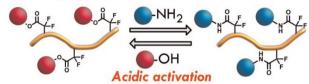
COMMUNICATIONS

4622

Reversible aminolysis: a new concept for postpolymerization modification

Koki Kasai, Hideki Amii and Ryohei Kakuchi*

A Reversible Aminolysis **Postpolymerization Modification Reaction**



Via Regeneration of Acrivated Ester Polymers!

PAPERS

4627

Nickel-catalyzed direct synthesis of hyperbranched liquid oligoethylene

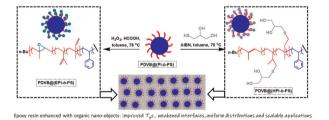
Mengyao Zhang and Shengyu Dai*



4637

Functionalization of nano-objects in living anionic polymerization-induced self-assembly and their use for improving thermal properties of epoxy resins

Guicun Guo, Jiali Wu, Jingwei Zhang, Peng Zhou, Ding Shen, Penghan Li and Guowei Wang*

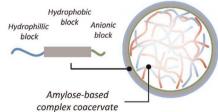


4650

Control over membrane fluidity and biophysical properties of synthetic terpolymer stabilized complex coacervates

Sebastian Novosedlik, Alexander B. Cook, Tim J. F. M. Voermans, Henk M. Janssen and Jan C. M. van Hest*

Membrane polymer structure



- Stabilisation?
- Permeability?
- · Fluidity?
- Sequestration of cholesterol?

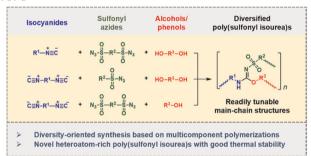
PAPERS

4662 MeO challenging acrylates flexible + rigid chain easy crosslinking enhanced properties: surface, mechanical. elastic, crosslinking improved polymerization activity molecular weight of polymer

Enhanced mechanical properties of acrylate and 5-vinyl-2-norbornene-based ethylene terpolymers: rational design and synthesis using remotely modulated phosphine-sulfonate palladium complexes

Yong-Qing Li, Gui-Ping Cao* and Yu-Cai Cao*

4673



Diversified synthesis of poly(sulfonyl isourea)s by multicomponent polymerizations of isocyanides, sulfonyl azides, and alcohols/phenols

Dongyang Fan, Fenggang Chen, Dong Wang, Ting Han* and Ben Zhong Tang*