



Block Copolymers Synthesis by Advanced Polymerization Techniques

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Message from the Guest Editor

Block copolymer research has attracted great interest over the past few decades. The diversity of these materials has enabled their applications in numerous ways in the fields of chemistry, physics, material, biological, and medical sciences. A large number of advances in experimental techniques regarding the precise synthesis and characterization of block copolymers has been reported up to date. Block copolymers with specified molecular chain parameters (molecular weight and distribution), composition, chain architectures, and properties were developed through advanced chain growth polymerization techniques like living anionic polymerization, controlled/“living” radical polymerization, various transition metal catalyzed polymerization, etc.

The Special Issue aims to expand the knowledge in the area of block copolymer synthesis by advanced polymerization techniques. Typical topics include precise synthesis of new block copolymers, insights into the polymerization chemistry/mechanism, reaction engineering/modeling, method development, new catalyst technologies, polymer characterization, properties, and applications.





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