Title: Synthesis and pH-Responsive Micellization of Brush Poly(methyl methacrylate-co-2-(2-bromoisobutyloxy)ethyl methacrylate)-graft-acrylic acid): Role of Composition Profile

pH-responsive brush copolymers having three backbone composition profiles (random, gradient and block) were prepared. Particular attentions focus on the effect of the composition profile on the self-assembly behavior and pH responsivity of the result copolymers.