Electronic Supplementary Material (ESI) for Polymer Chemistry.

Supplementary Information

Polymer-brush-decorated colloidal platelets: precision synthesis and self-assembly

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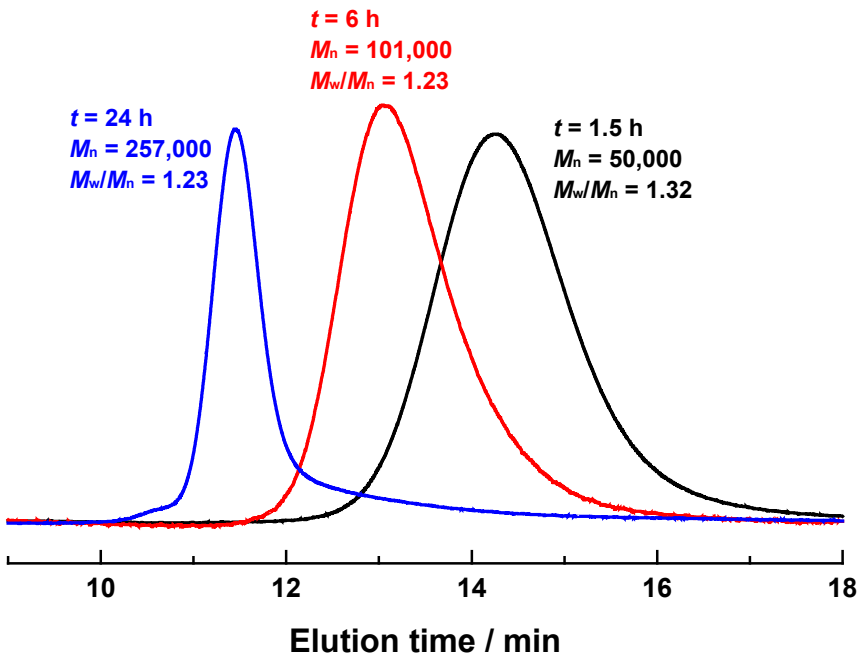

Fig. S1 Gel permeation chromatographic traces for graft polymers cleaved from gibbsite platelet surfaces. These data correspond to those of Fig. 3.

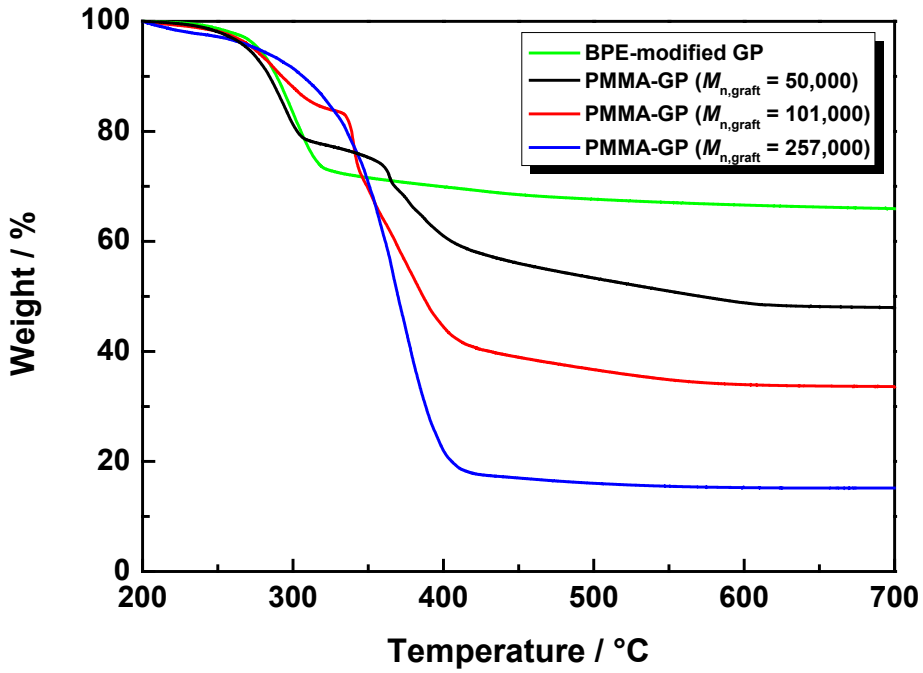

Fig. S2 Thermal gravimetric analysis curves of BPE-modified gibbsite platelets (GPs) and various PMMA-brush-decorated GPs with different molar masses ($M_{n,graft}$) of graft polymers.

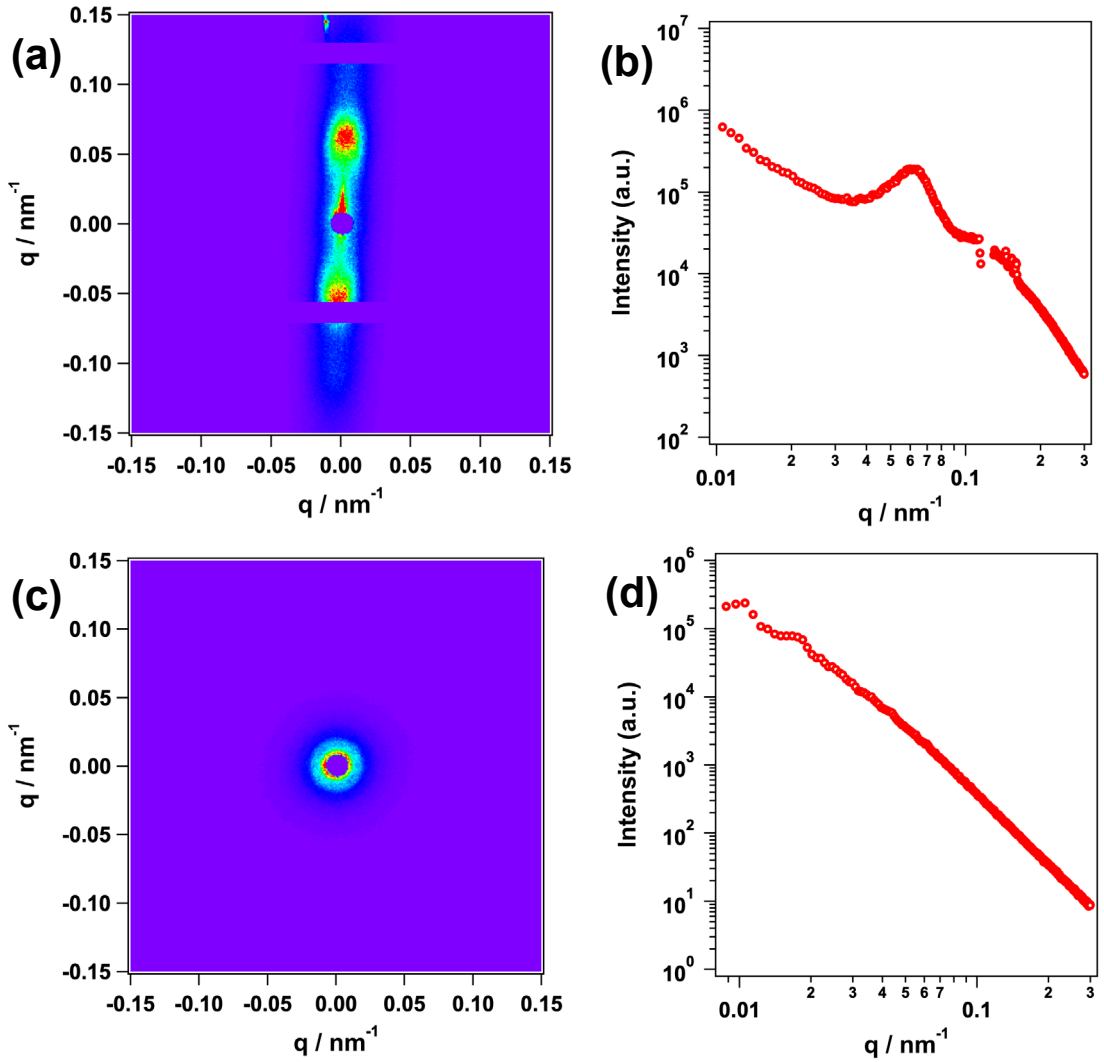

Fig. S3 (a) Edge-view and (c) through-view two-dimensional USAXS diffractograms for a film of gibbsite platelets end-grafted with poly(methyl methacrylate) (PMMA) brushes. (b) Edge-view and (d) through-view one-dimensional USAXS intensity profiles of the film. The number-average molecular weight of the PMMA grafts was 100,000.