

Supporting Information

Control of Polymer Crystallization by Pseudo-Polyrotaxane Nanosheets

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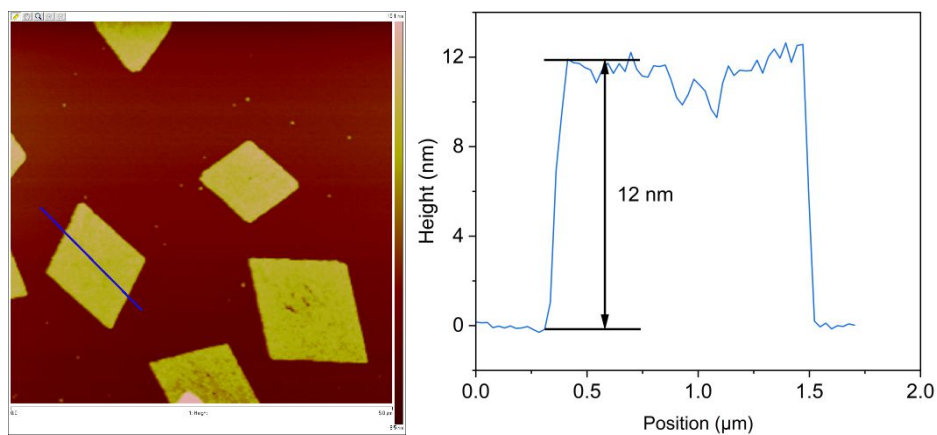


Figure S1. AFM images (left) and corresponding height profile (right) of mPPRNS.

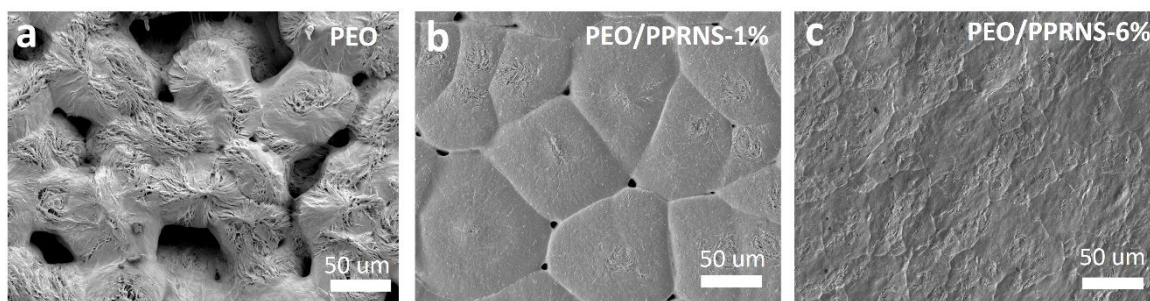


Figure S2. Morphologies of (a) poly(ethylene oxide) (PEO), (b) PEO/pseudo-polyrotaxane nanosheet (PPRNS)-1%, and (c) PEO/PPRNS-6% surfaces.

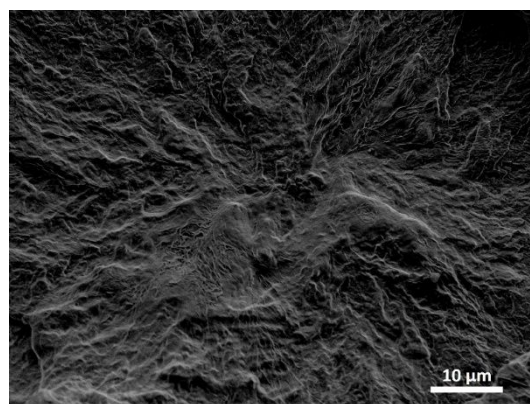


Figure S3. Scanning electron microscopy image of PEO in the cross-sectional direction.

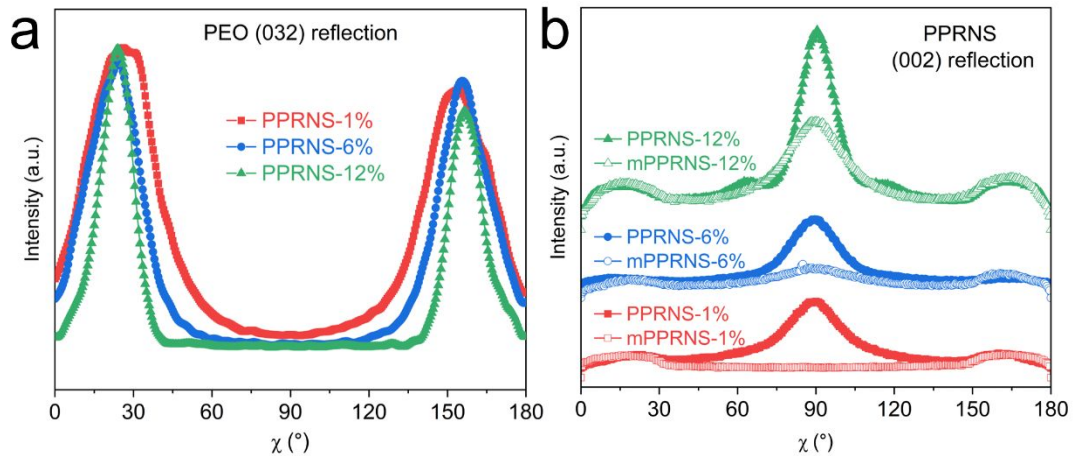


Figure S4. (a) Azimuthal traces of the peak intensities of PEO (032) for PEO/PPRNS nanocomposites. (b) Azimuthal traces of the peak intensities of CD (002) for PEO/PPRNS and PEO/mPPRNS nanocomposites.

Table S1. Full width at half maximum (FWHM) values of poly(ethylene oxide) (PEO)/pseudo-polyrotaxane nanosheet (PPRNS) nanocomposites.

Sample name	FWHM (°) of (032) PEO	FWHM (°) of (002) cyclodextrin
PEO/PPRNS-1%	31.1	23.3
PEO/PPRNS-6%	24.0	21.6
PEO/PPRNS-12%	15.4	15.5