Electronic Supplementary Information (ESI)

Twisted Growth of Organic Crystal in Polymer Matrix: Sigmoidal and Helical Morphologies of Pyrene

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Figure S1. Morphological variation (a) and optical micrographs (b-d) of pyrene crystals prepared with Method 2.

Linear alignment at $C_{PY}/C_{PVP} = 4.0/9.0$ (b) and spiral shapes at $C_{PY}/C_{PVP} = 4.0/4.0$ (c) and 4.0/9.0 (d).
**Figure S2.** SEM images of morphologies of chrysazin crystals with an increase in C\textsubscript{PVP}. Rods at C\textsubscript{chrysazin}/C\textsubscript{PVP} = 0.5/0.2 (a) and sigmoidal shape at C\textsubscript{chrysazin}/C\textsubscript{PVP} = 0.5/0.5 (b). Inset in (a) shows the molecular structure of chrysazin.

**Figure S3.** SEM and optical microscope images of morphologies of pyrene crystals grown in chloroform with polystyrene (PS). Linear alignments of lozenge units at C\textsubscript{PY}/C\textsubscript{PS} = 1.0/0.5 (a) and a curving shape at C\textsubscript{PY}/C\textsubscript{PS} = 1.5/1.5 (b).