

Electronic Supplementary Information (ESI)

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

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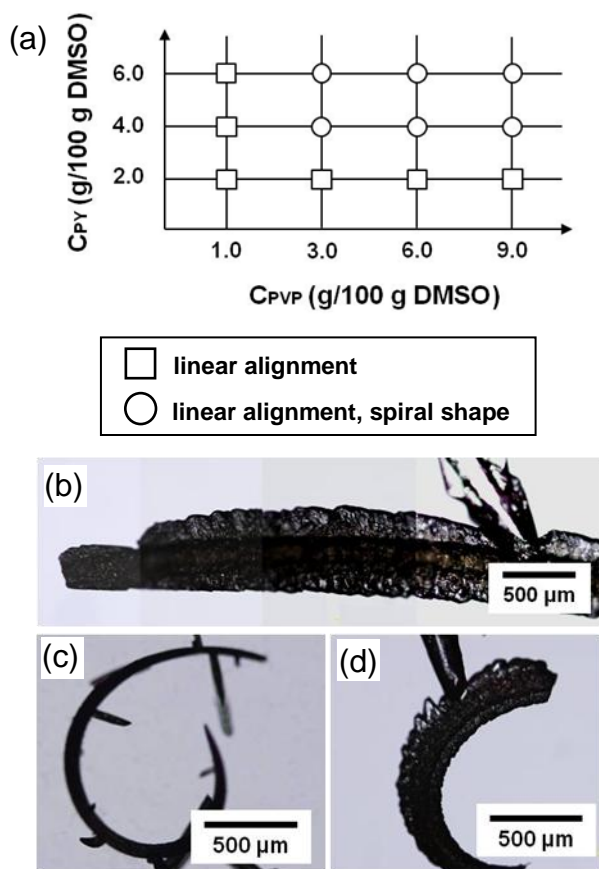


Figure S1. Morphological variation (a) and optical micrographs (b-d) of pyrene crystals prepared with Method 2. Linear alignment at $C_{PY}/C_{PVP} = 4.0/9.0$ (b) and spiral shapes at $C_{PY}/C_{PVP} = 4.0/4.0$ (c) and $4.0/9.0$ (d).

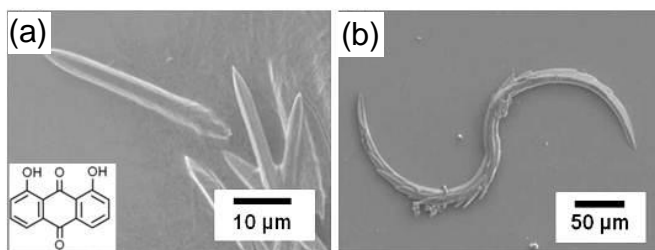


Figure S2. SEM images of morphologies of chrysazin crystals with an increase in C_{PVP} . Rods at $C_{chrysazin}/C_{PVP} = 0.5/0.2$ (a) and sigmoidal shape at $C_{chrysazin}/C_{PVP} = 0.5/0.5$ (b). Inset in (a) shows the molecular structure of chrysazin.

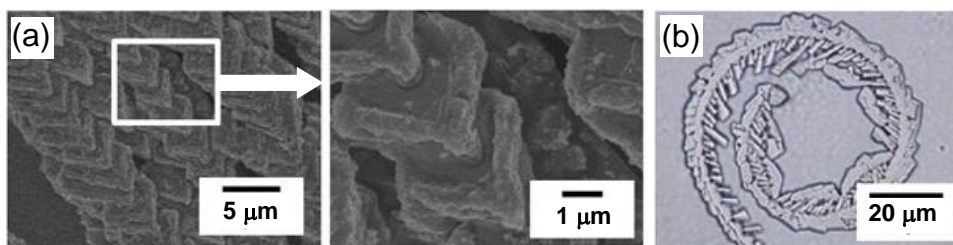


Figure S3. SEM and optical microscope images of morphologies of pyrene crystals grown in chloroform with polystyrene (PS). Linear alignments of lozenge units at $C_{PY}/C_{PS} = 1.0/0.5$ (a) and a curving shape at $C_{PY}/C_{PS} = 1.5/1.5$ (b).