

Description of Additional Supplementary Files

File name: Supplementary Code 1

Description: The code file used in the in-situ PL system contains the source code, a small demonstration dataset and instructions.

File name: Supplementary Movie 1

Description: A Python script runs video, showing the evolution trend of three extracted parameters (including peak position, peak intensity, and peak position at the center of full width at half maximum) of relevant photoluminescence spectra of PYT solution during its polycondensation reactions.