Supplementary Information

Crystalline organic thin films for crystalline OLEDs (III): weak epitaxy growth of phenanthroimidazole derivatives with dual inducing layer

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Contents:

1. Morphologies of different thicknesses BP1T

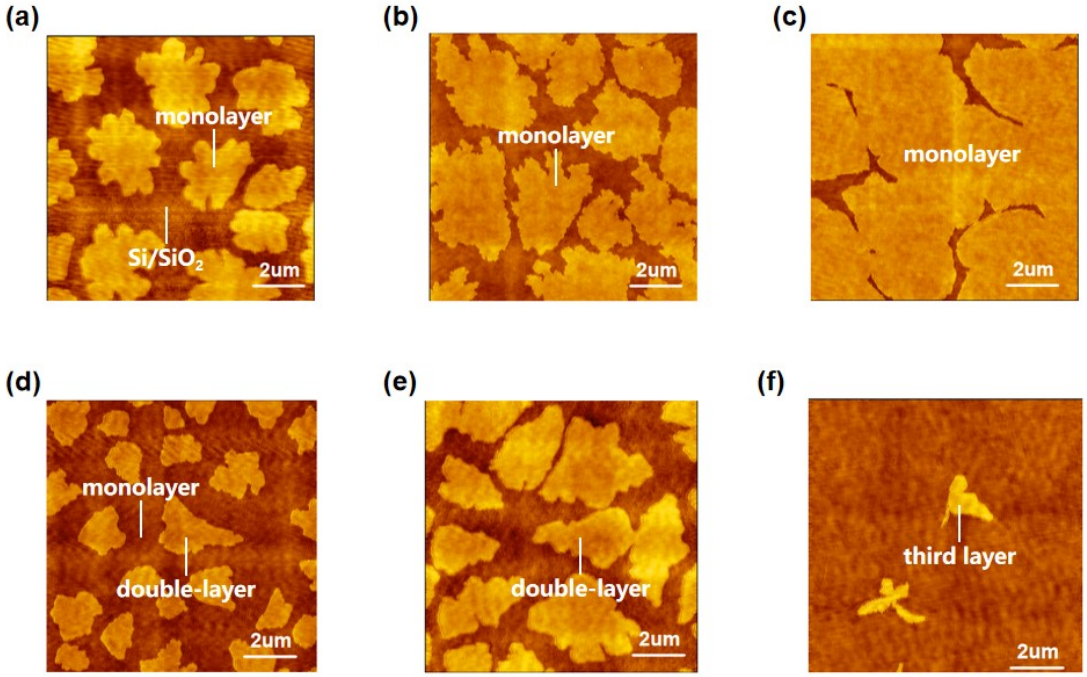


Fig. S1 AFM images of 0.5 (a), 0.7 (b), 0.9 (c), 1.3 (d), 1.6 (e), and 2.05 (f) monolayer BP2T films.

2. Morphologies of different thickness of BP1T on BP2T

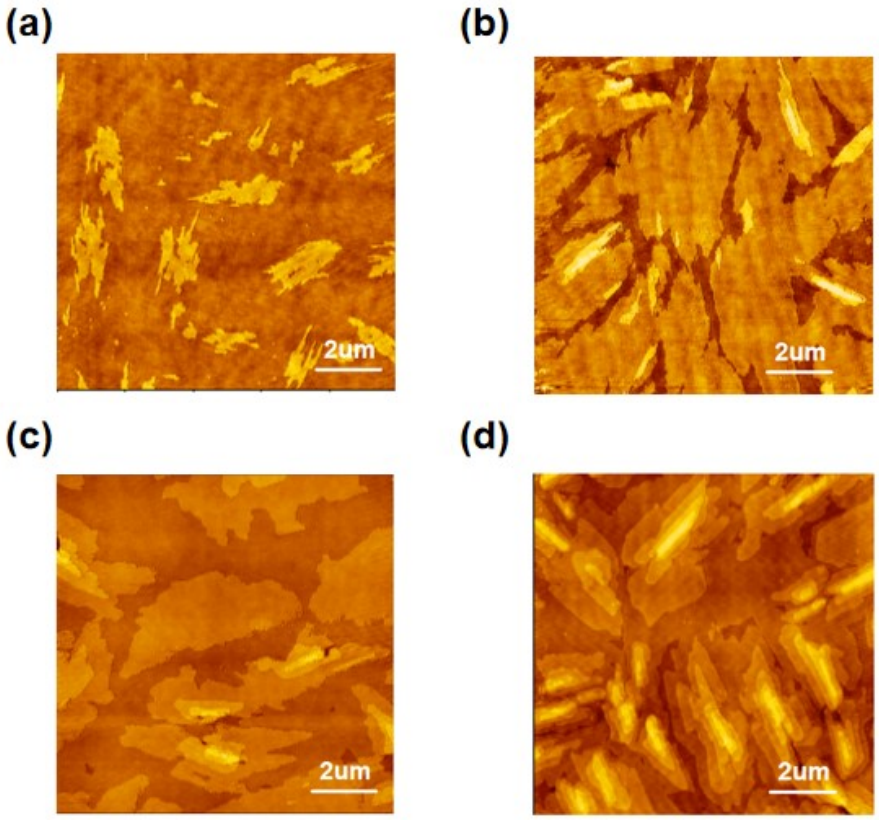
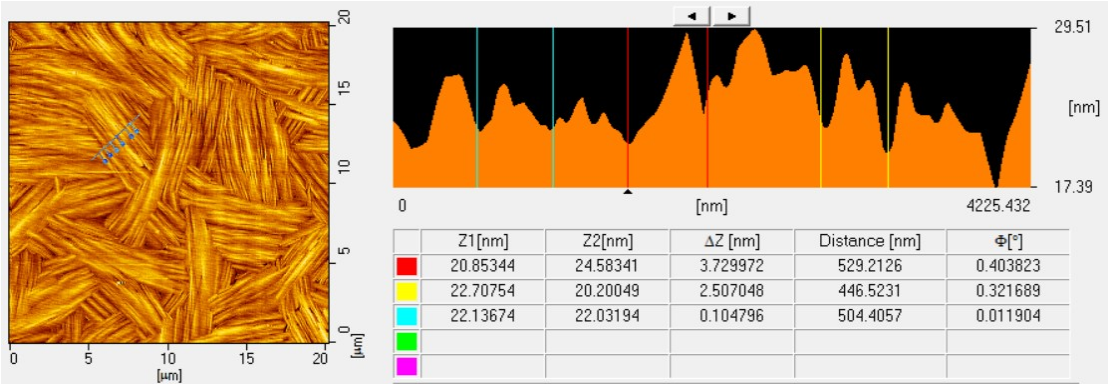


Fig. S2 AFM images of 1 nm (a), 4 nm (b), 6 nm (c), and 8 nm (d) BP1T on BP2T.

3. Width of strip-like crystal of 2FPPICz on dual inducing layer



	Z1[nm]	Z2[nm]	ΔZ [nm]	Distance [nm]	Φ[°]
	20.85344	24.58341	3.729972	529.2126	0.403823
	22.70754	20.20049	2.507048	446.5231	0.321689
	22.13674	22.03194	0.104796	504.4057	0.011904

Fig. S3 Width of strip-like crystal of 2FPPICz on dual inducing layer (400-600 nm)

4. SAED of 2FPPICz on dual inducing layer

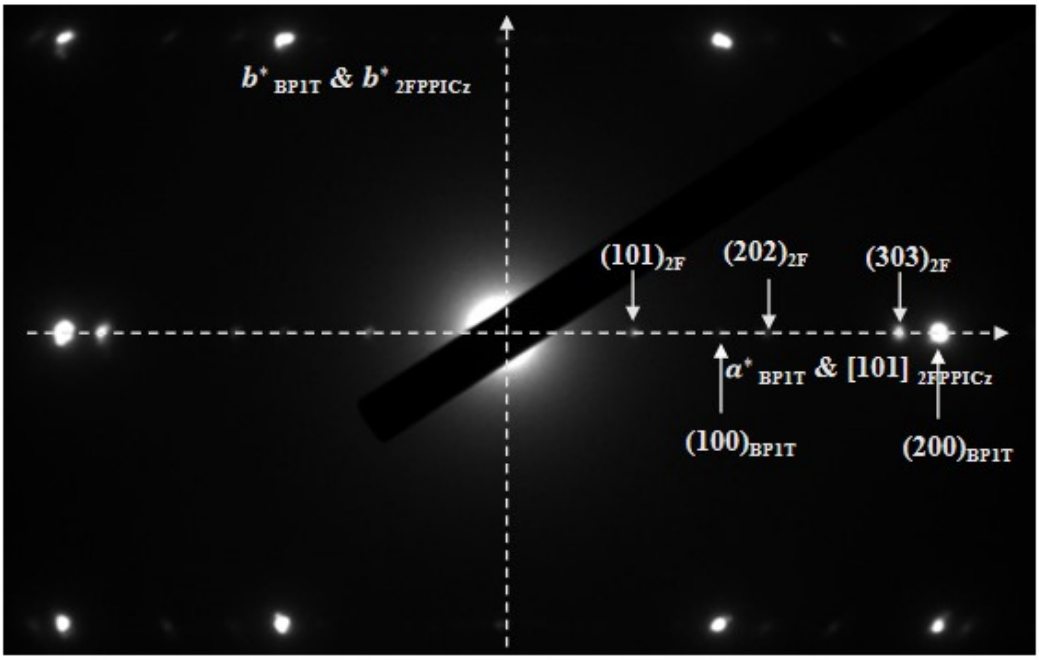


Fig. S4 SAED of 2FPPICz on dual inducing layer