

Supporting Information

Surface Treatment by Binary Solvents Inducing Crystallization of Small Molecular Donor for Enhanced Photovoltaic Performance

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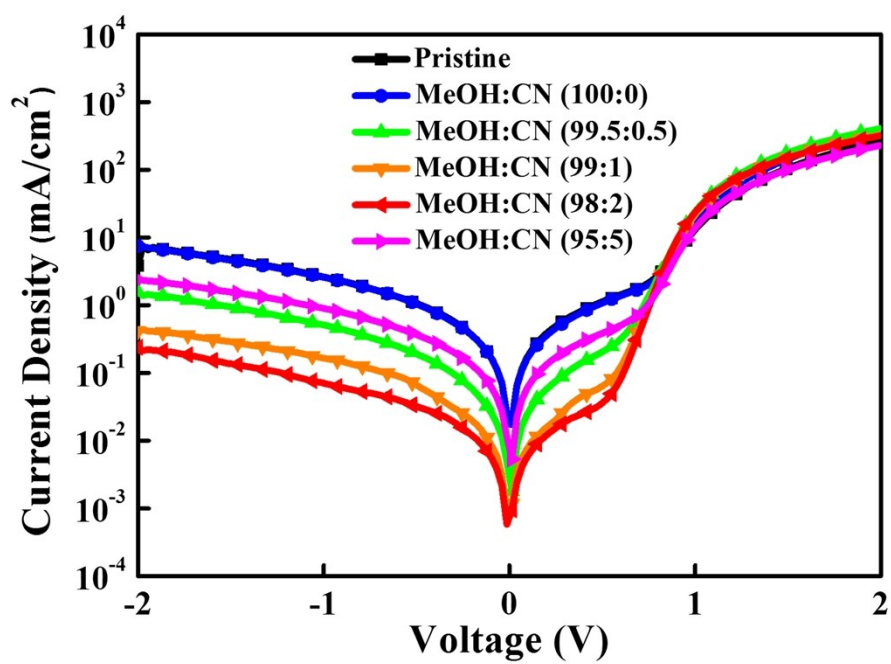


Figure S1 Dark current-voltage (J - V) characteristics of solar cells based on blends after treating by MeOH:CN mixed solvents.

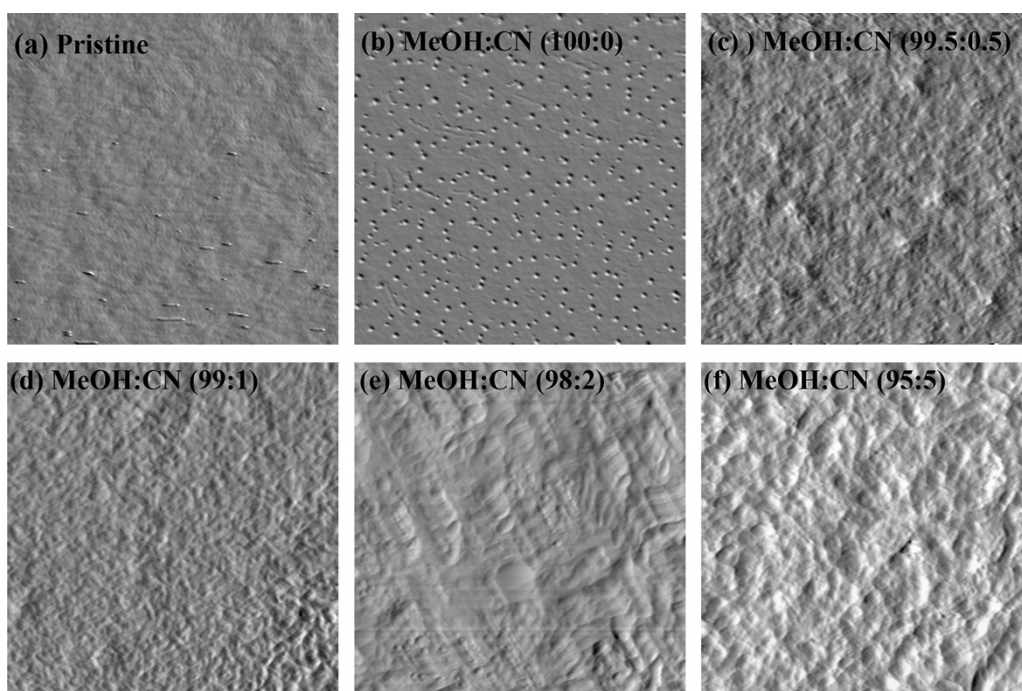


Figure S2 Atomic force microscope (AFM) phase images of (a) pristine *p*-DTS(FBTTh₂)₂:PC₇₁BM film, and films after treating by mixed solvents of (b) MeOH:CN (100:0), (c) MeOH:CN (99.5:0.5), (d) MeOH:CN (99:1), (e) MeOH:CN (98:2) and (f) MeOH/CN (95:5), respectively.

Table S1 Parameters of the (100), (200), (300) and (010) diffraction signals determined from the out-of-plane and in-plane curves of pristine *p*-DTS(FBTTh₂)₂:PC₇₁BM film and films after MeOH:CN solvent treatments.

	(100)		(200)		(300)		(010)	
	<i>q</i> (Å ⁻¹)	<i>d</i> (Å)	<i>q</i> (Å ⁻¹)	<i>d</i> (Å)	<i>q</i> (Å ⁻¹)	<i>d</i> (Å)	<i>q</i> (Å ⁻¹)	<i>d</i> (Å)
<i>p</i> -DTS(FBTTh ₂) ₂ :PC ₇₁ BM								
Pristine	0.31	20.2	0.52	12.1	0.82	7.7	1.72	3.65
MeOH:CN (100:0)	0.31	20.2	0.52	12.1	0.82	7.7	1.72	3.65
MeOH:CN (98:2)	0.28	22.4	0.58	10.8	0.85	7.4	17.2	3.65