Supplementary Materials: Investigation of Self-Assembly and Charge-Transport Property of One-dimensional PDI$_8$-CN$_2$ Nanowires by Solvent Vapor Annealing

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Figure S1. AFM images of spin-coated morphology of PDI$_8$-CN$_2$ at a concentration of 5mg/ml on Si/SiO$_2$ substrate.

Figure S2. Profile image across the white line in AFM images of PDI$_8$-CN$_2$ nanowires from 1:20 w/w solution on Si/SiO$_2$. 
Figure S3. Optical microscope image of PDI-CN$_2$ nanostructures from 1:50 w/w solution on Si/SiO$_2$ substrate after the SVA process.

Figure S4. XRD pattern of the prepared nanowires from the SVA treating PDI-CN$_2$/PMMA nanostructure.
Figure S5. UV–vis absorption and photoluminescence spectra of PDI-CN₂ solution (black), nanowire (red).

Figure S6. Confocal fluorescence microscope images of spin-coated PDI-CN₂ nanostructures of 0.3mg/ml 1,2-dichlorobenzene solution on Si/SiO₂ substrate.
Figure S7. Optical microscope images of spin-coated pure PDI-CN$_2$ system with different concentrations in 1,2-dichlorobenzene on Si/SiO$_2$ substrate before and after SVA: (a-c) as-cast; (d-f) after SVA; (a,d) 0.3 mg/ml; (b,e) 1mg/ml; (c,f) 2mg/ml. Different scale bars are used for comparison.

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