

Supporting Information: High work-function hole transport layers by self-assembly using fluorinated dopants

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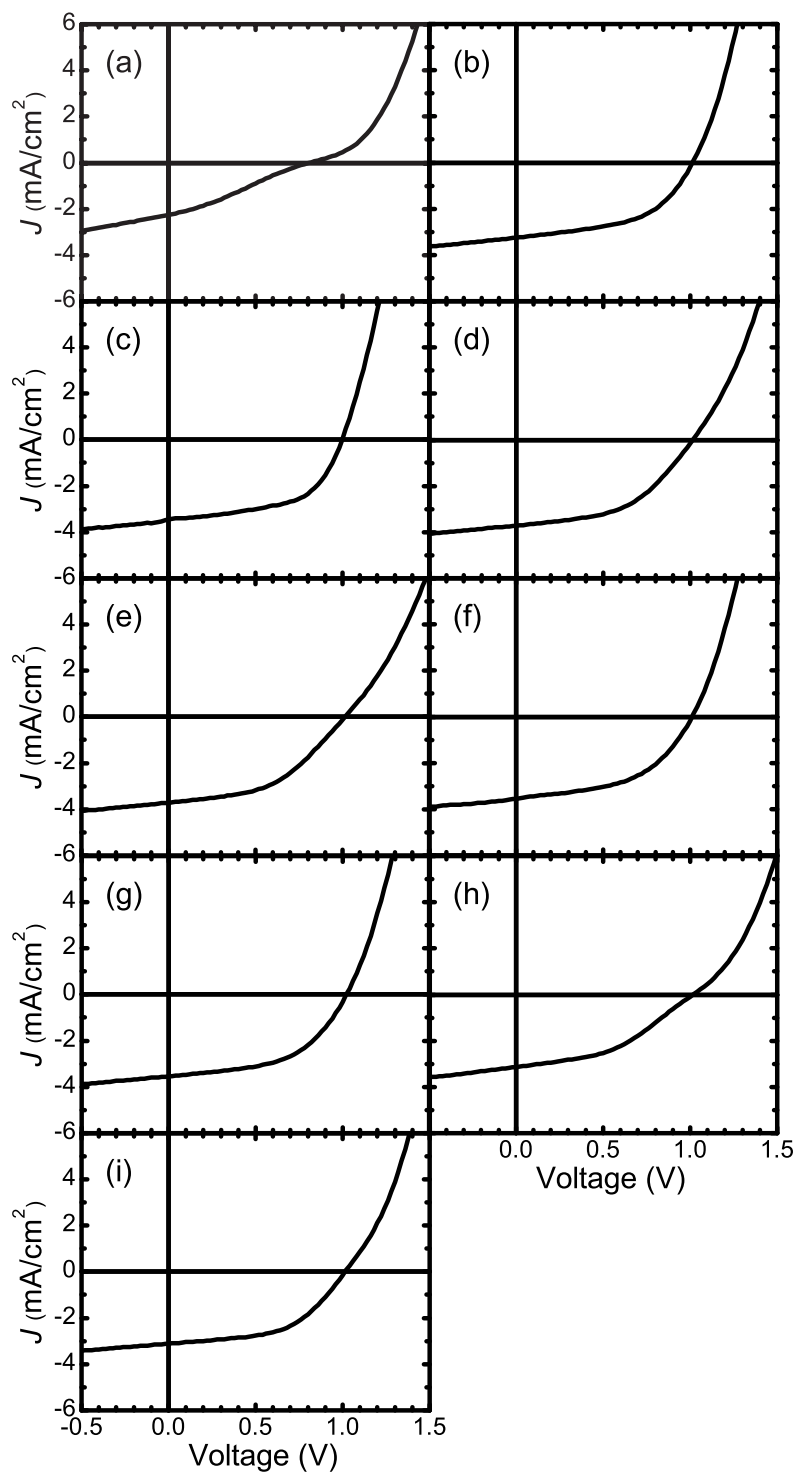


Figure S1: Current density-voltage data for APFO-3:PCBM BHJ solar cells with S-P3MEET/PFI HTLs with varying PFI concentration. (a) 0 wt% PFI, (b) 1 wt%, (c) 5 wt%, (d) 10 wt%, (e) 15 wt%, (f) 25 wt%, (g) 50 wt%, and (h) 75 wt%. (i) APFO-3:PCBM device with PEDOT:PSS HTL. HTL was heated at 110 °C before BHJ deposition.

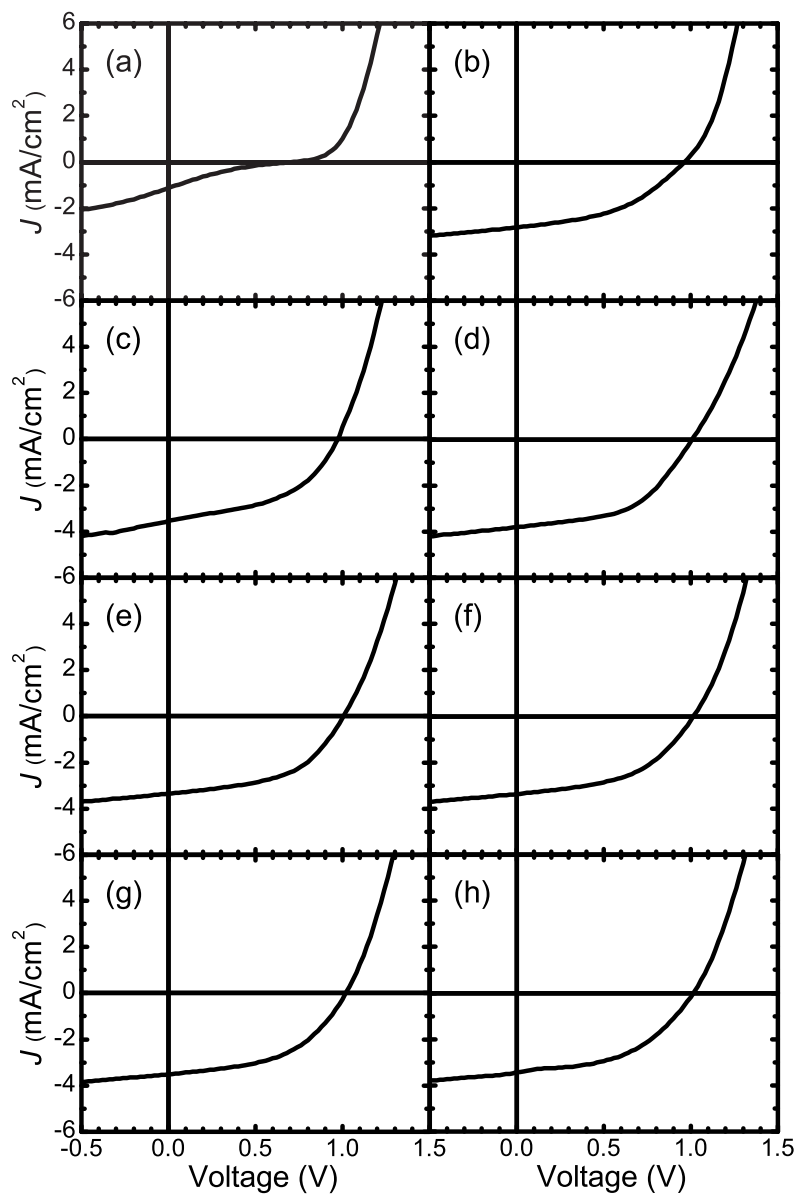


Figure S2: Current density-voltage data for APFO-3:PCBM BHJ solar cells with S-P3MEET/PFI HTLs with varying PFI concentration. (a) 0 wt% PFI, (b) 1 wt%, (c) 5 wt%, (d) 10 wt%, (e) 15 wt%, (f) 25 wt%, (g) 50 wt%, and (h) 75 wt%. HTL was heated at 180 °C before BHJ deposition.