

Impact of intentional photo-oxidation of donor polymer and PC₇₀BM acceptor on solar cell performance

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Table SI.1: Work function and surface photovoltage (SPV), measured by Kelvin probe in a N₂-filled glovebox, of PC₇₀BM thin films, spincoated from CB solution on Si substrate, as a function of exposure time to simulated sunlight (AM1.5) in ambient air.

Exposure time (hours)	Work function (eV)	SPV (mV)
0	4.32	-32
0.25	4.60	-151
2	4.68	-199
19	4.69	-82
47	4.72	-20

Figure SI.1: Dependence of work function, measured by Kelvin probe, of PC₇₀BM thin films on Si substrates, on exposure time to simulated sunlight (AM1.5) in ambient air.

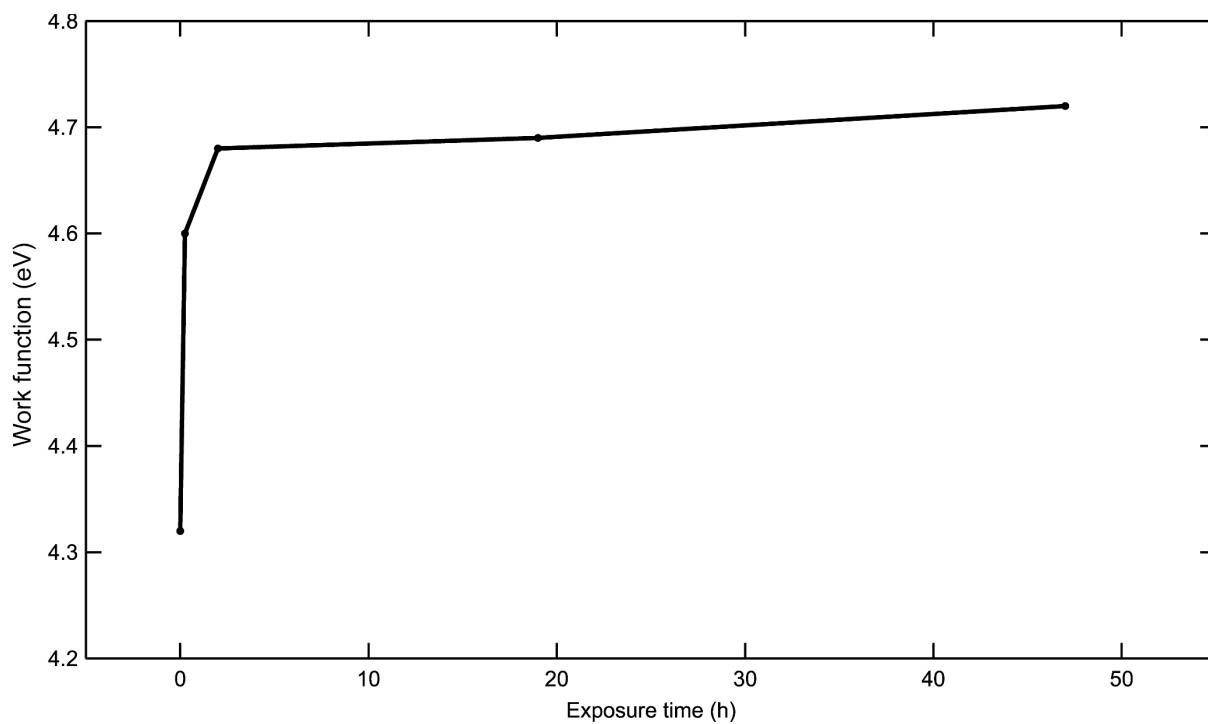


Figure SI.2 Dependence of surface photovoltage (SPV), measured by Kelvin probe, of PC₇₀BM thin films on Si substrates, on exposure time to simulated sunlight (AM1.5) in ambient air. The SPV value is the work function under white illumination minus the work function in the dark.

