

## Supporting Information

### Highly efficient small-molecule solar cells fabricated with non-halogenated solvents

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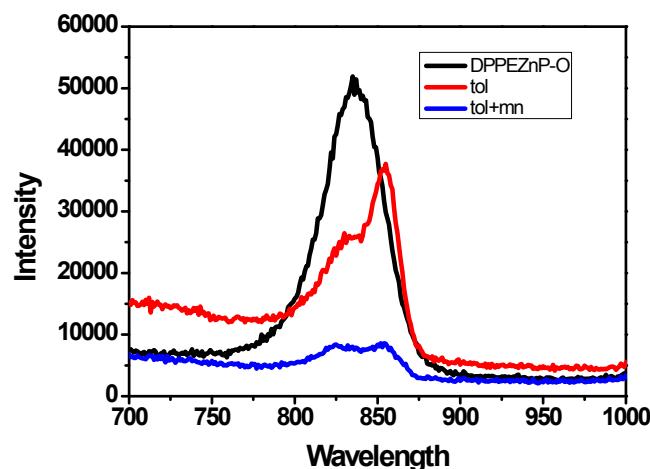


Figure S1. Photoluminescence (PL) spectra of pure DPPEZnP-O film, DPPEZnP-O:PC<sub>61</sub>BM blend films processed on glass with pure toluene and toluene +1%MN.

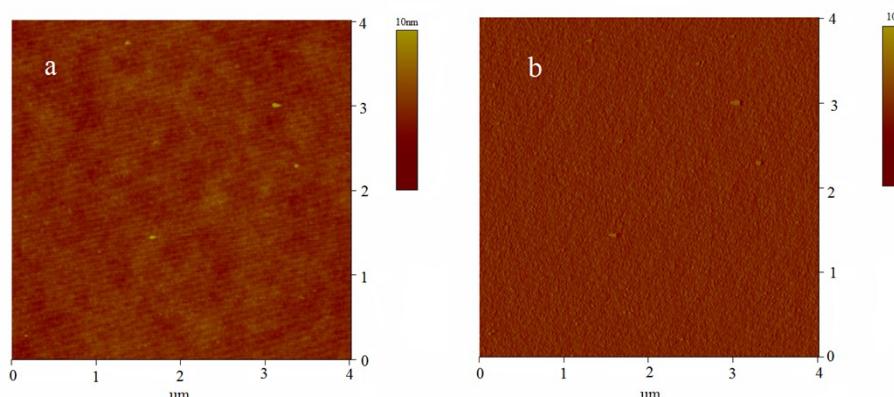


Figure S2. AFM height (a) and phase (b) images of DPPEZnP-O:PC<sub>61</sub>BM films spin-cast from toluene+1%MN with annealing.

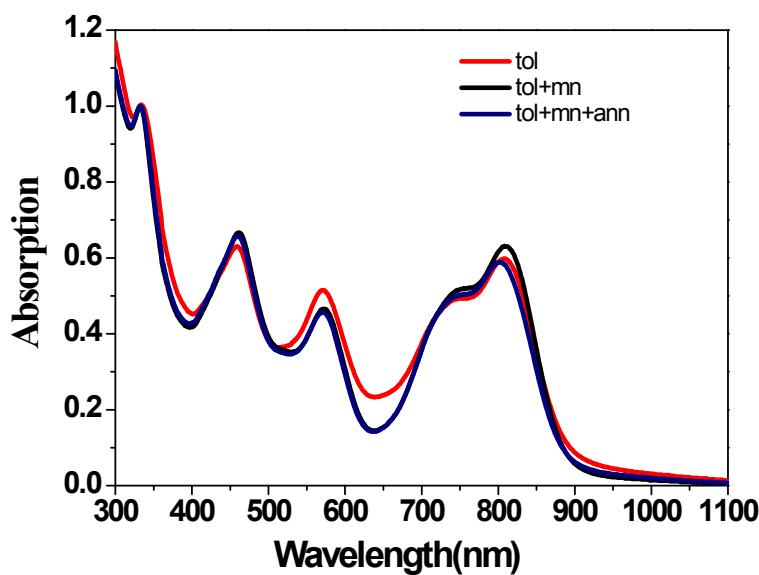


Figure S3. Absorption spectra of DPPEZnP-O: PC<sub>61</sub>BM blend films processed under different conditions.

Table.S1 Device performance using different volume of methyl naphthalene in o-xylene.

Processing condition	$J_{SC}$ (mA cm <sup>-2</sup> )	$V_{oc}$ (V)	FF(%)	PCE(%)
o-xy+0.5%mn+ann	13.55	0.76	52.3	5.39
o-xy+1%mn+mn	15.73	0.75	50.0	5.85
o-xy+2%mn+ann	15.93	0.75	47.2	5.64