

Effect of UV-Ozone process on ZnO interlayer in inverted organic solar cells

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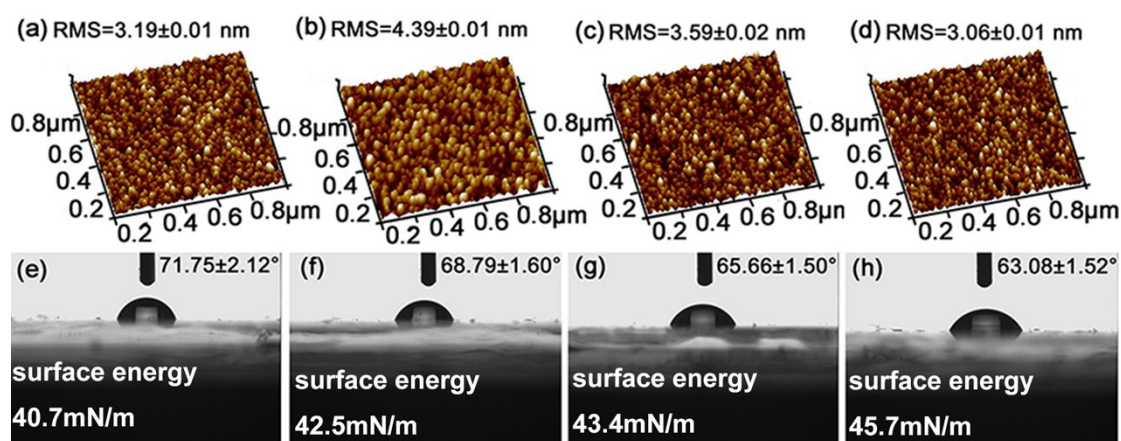


Fig. S1. AFM image and static contact angle of ZnONFs (a) (e) ZnO, (b) (f) ZnO-10, (c) (g) ZnO-20 and (d) (h) ZnO-30.

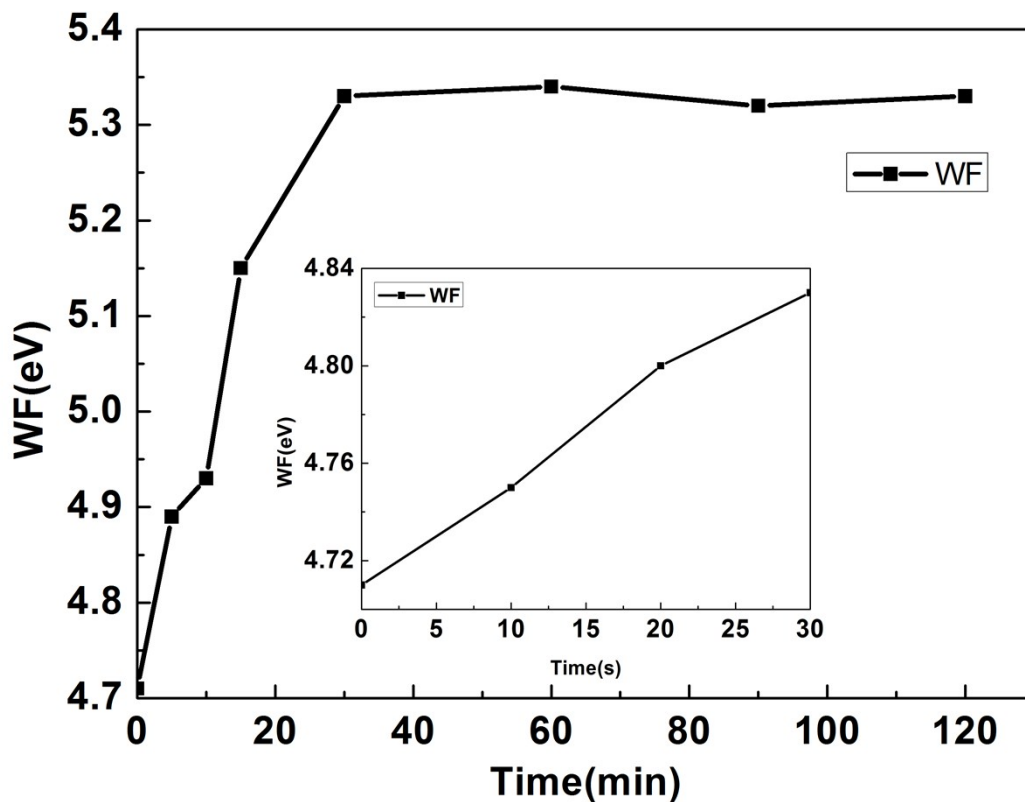


Fig. S2. The changes of WFs as treatment time. The insert one is for 0~30s.

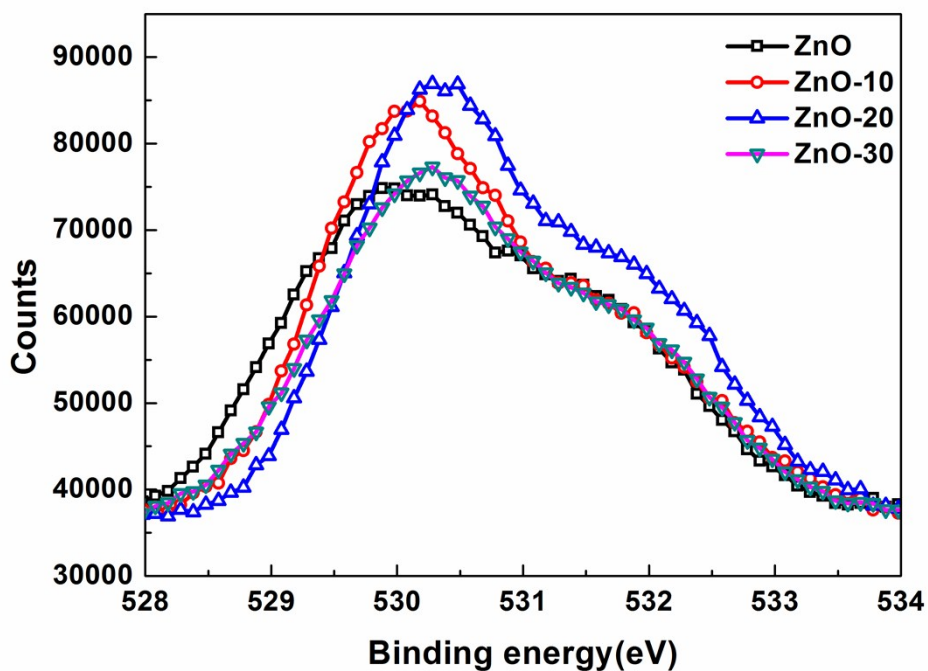


Fig. S3. The High-resolution XPS spectra of O 1s for ZnONFs and UV-Ozone treated ZnONFs

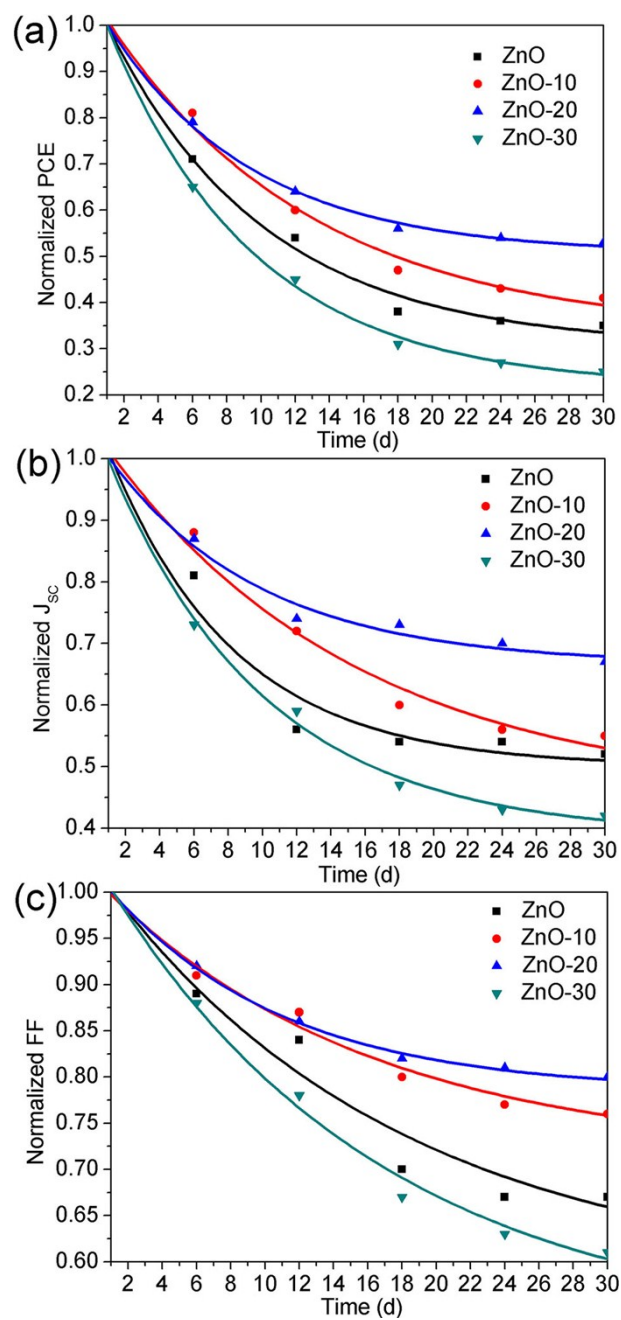


Fig. S4. The evolution of ITO/ZnONFs/P3HT:PCBM/MoO₃/Ag performance parameters (a) PCE, (b) J_{sc} and (c) FF.

Table S1. WFs of ZnONFs and ITO UV-ozone treated by different time, the data were statistics of 5 points.

UV-Ozone treatment time	0s	10s	20s	30s
ZnO WFs(eV)	4.71	4.75	4.80	4.83
ITO WFs(eV)	4.72	4.73	4.75	4.76
Gap WFs(eV)	-0.01	0.02	0.05	0.09