

Supporting Information
for
Surface photo-charge effect in doped-ZnO nanorods for high-performance
self-powered ultraviolet photodetector

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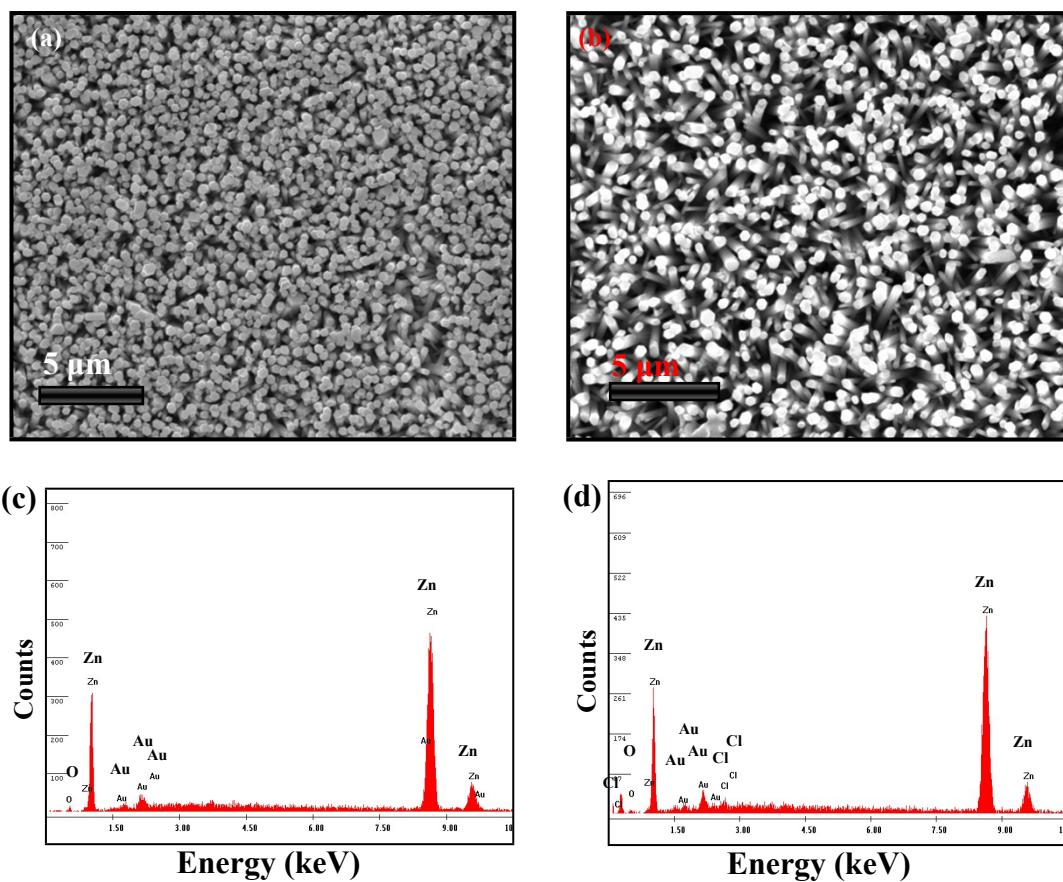


Fig. S1: Low-magnification SEM image of (a) pristine ZnO NRs and (b) Cl-ZnO NRs. (c) and (d) are the EDS spectrum of pristine and Cl-doped ZnO NRs.

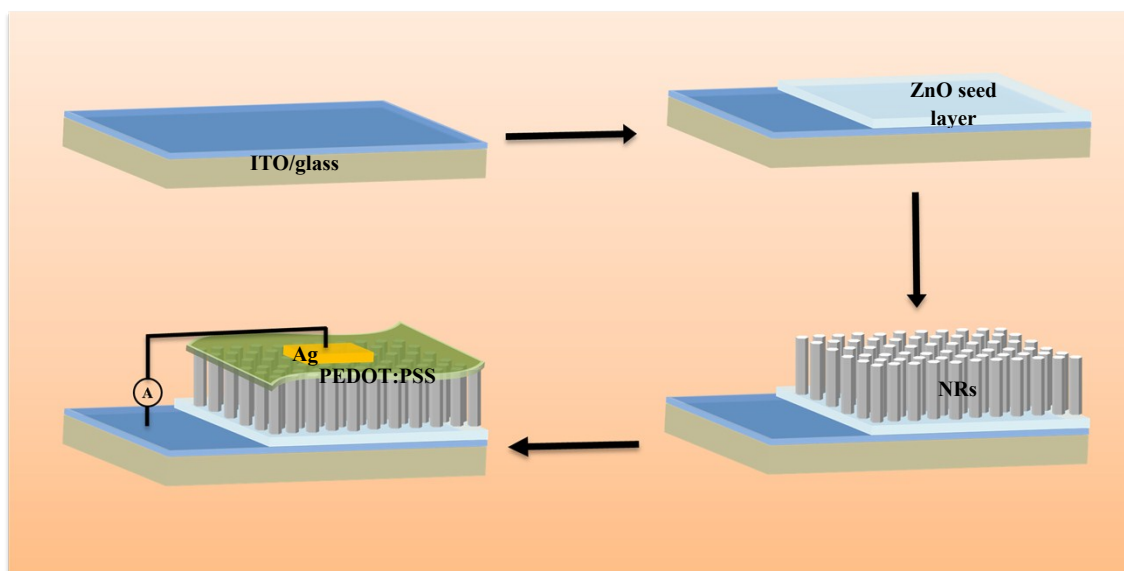


Fig. S2: Schematic of fabrication processes involved in the self-powered PD.

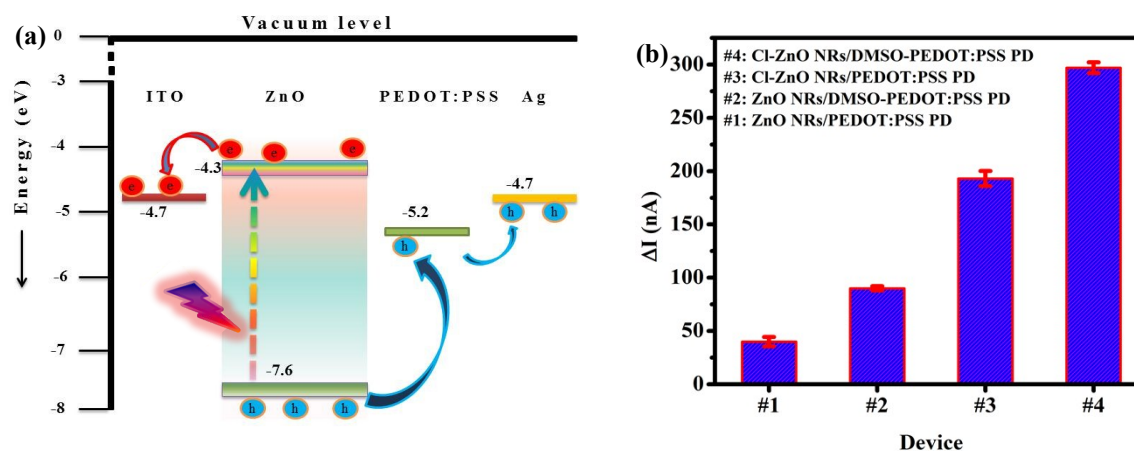


Fig. S3: (a) Possible energy band diagram of pristine ZnO NRs/PEDOT:PSS PD. (b) Comparisons of photoresponses of all the PDs (#1: ZnO NRs/PEDOT:PSS PD, #2: ZnO NRs/DMSO-PEDOT:PSS PD, #3: Cl-ZnO NRs/PEDOT:PSS PD and #4: Cl-ZnO NRs/DMSO-PEDOT:PSS PD).