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Supplement information

Self-powered, visble-light photodetector based on thermally reduced graphene oxide-ZnO (rGO-ZnO) hybrid nanostructure

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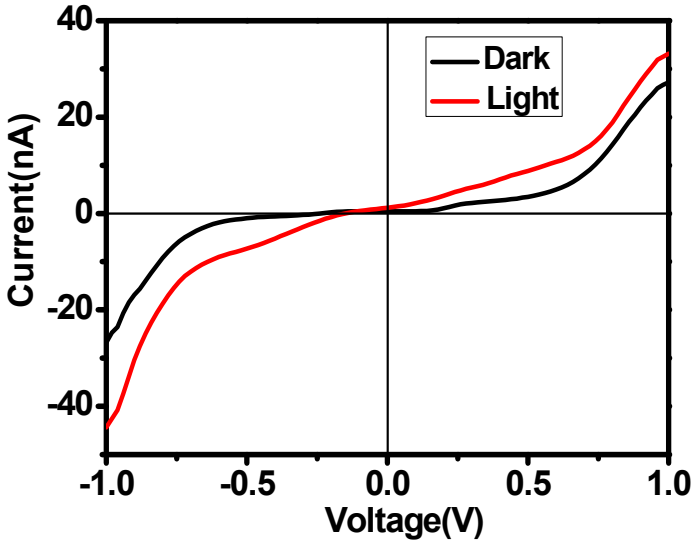

Figure S1. I-V characteristic curves of carbon-doped ZnO-nanoparticle photodetector under dark condition and illumination.

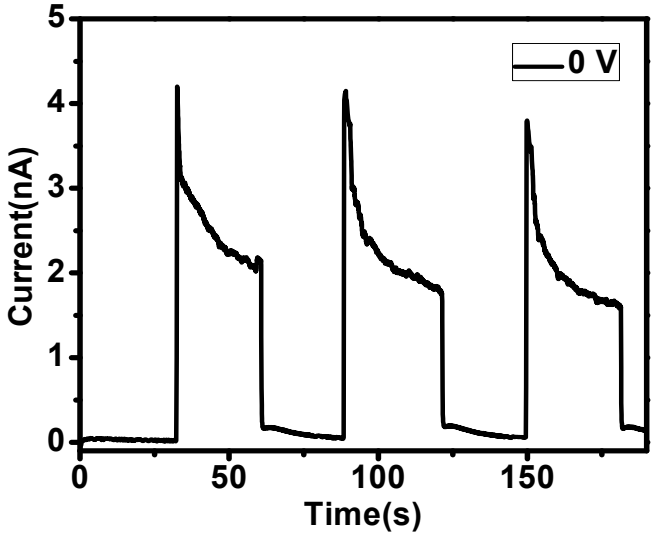

Figure S2. The time-resolved photocurrent generation under zero-bias operation with illumination toggling between "on" and "off" for carbon-doped ZnO-nanoparticle photodetector.