Electronic Supplementary Information

Multilayer TiO_2 Nanorod Cloth/Nanorod Arrays Electrode for Dye-Sensitized Solar Cells and Self-Powered UV Detectors

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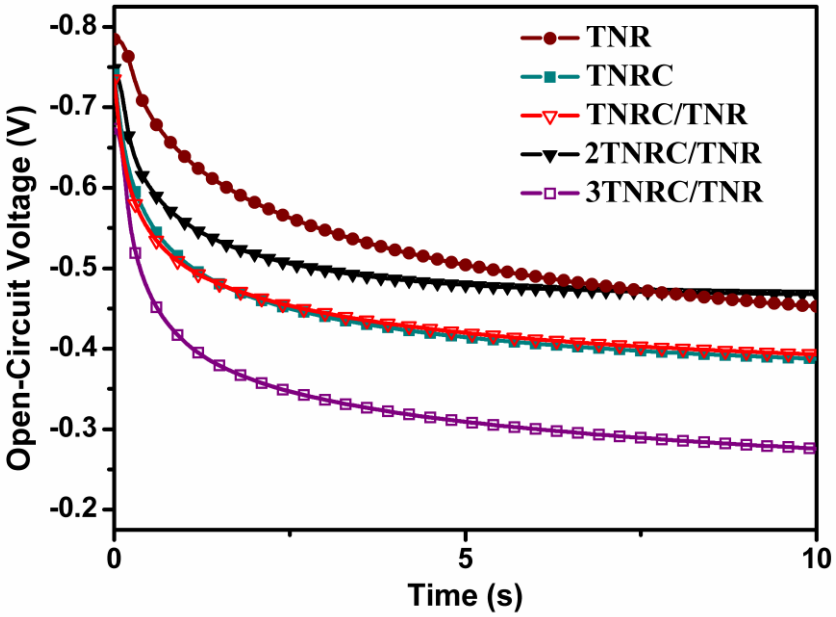

Fig. S1 Open circuit decay measurement by changing the environment from light to dark.

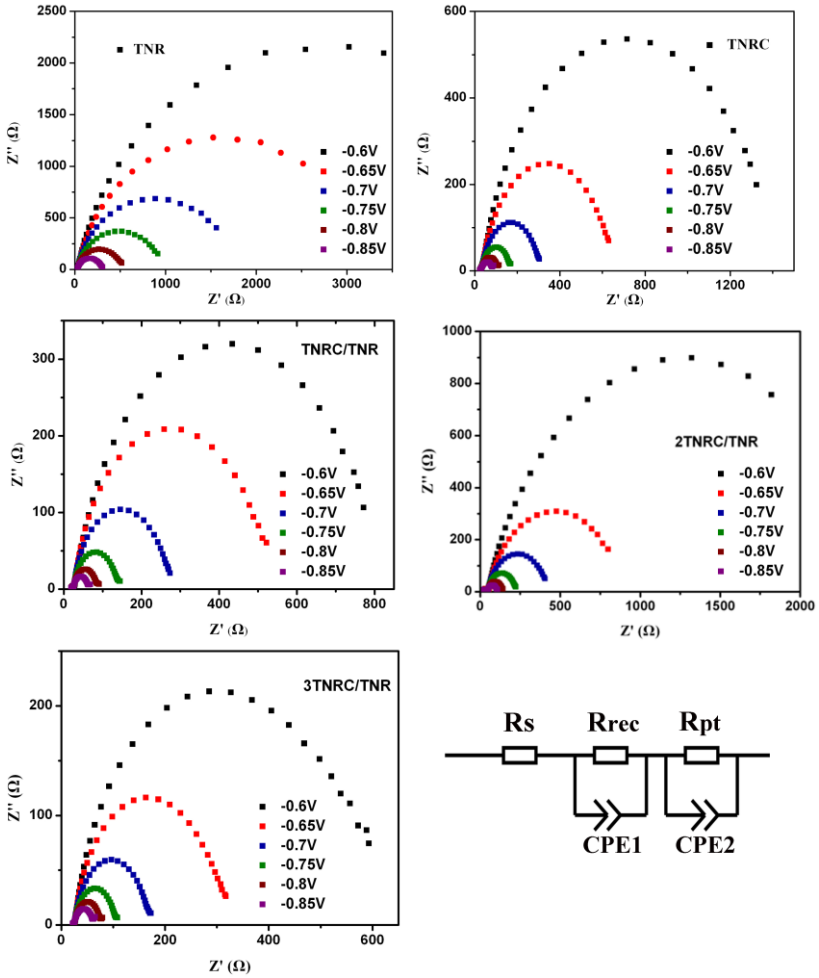

Fig. S2 Nyquist plots for different samples under bias ranging from -0.6V to -0.85V and the equivalent circuit used in EIS fitting.

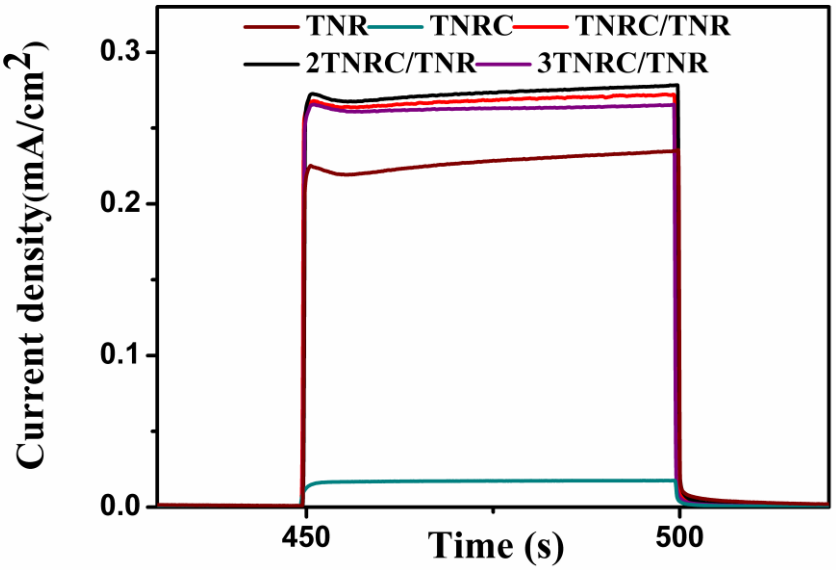

Fig. S3 Time-resolved photocurrent of the TNRC photodetector under 365 nm light illumination using 1.55mW/cm^2 UV hand lamp at 0V bias.

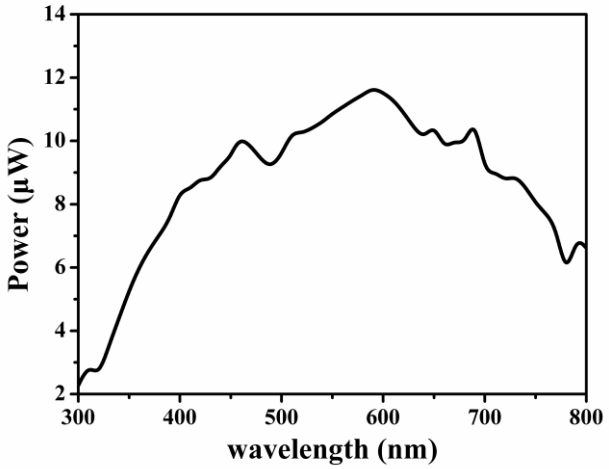

Fig. S4 Radiation power spectrum of the Oriel 500W xenon lamp source equipped with monochromator.

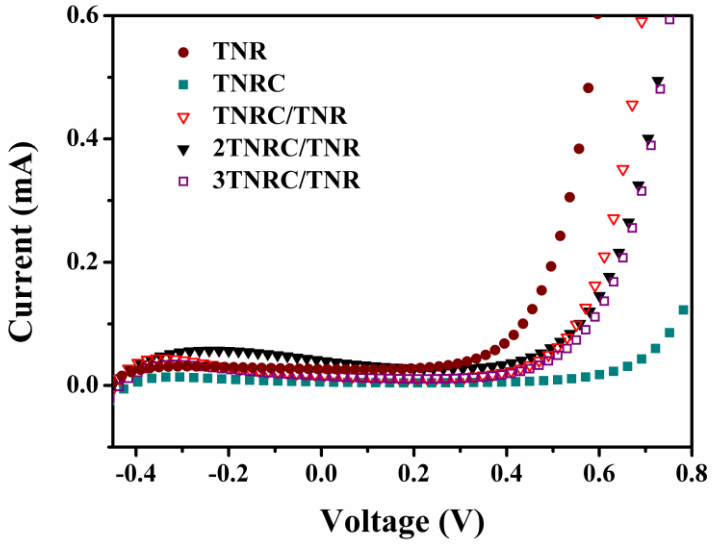

Fig. S5 *J-V* characteristic for all the PEC detector samples measured in dark.