Electronic Supplementary Information (ESI) for

Facile Synthesis of SnO₂ Nanofibers Decorated with N-doped ZnO Nanonodules for Visible Light Photocatalyst Using Single-Nozzle Co-Electrospinning

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Fig. S1 FE-SEM images of (a) electrospun PAN nanofibers with 220 nm diameter (inset: high resolution of PAN nanofibers) and (b) electrospun PAN(core)/PVP(shell) nanofibers 130-nm-diameter (inset: high resolution of PAN (core)/PVP (shell) nanofibers).



Fig. S2 TEM images of SnO₂ nanofibers from (a) pristine PAN solution with 100 nm diameter and (b) PAN (core)/PVP (shell) core-shell nanofibers 50-nm-diameter.



Fig. S3 Photocatalytic activity of the SZ3 for RB degradation with three times of cycling uses: First (black); Second (red); Third (blue).



Fig. S4 Electron paramagnetic resonance (EPR) signals of the SZ3 with DMPO-'OOH/O₂' adducts as a function of visible-light illumination time (DMPO: 0.15M).



Fig. S5 PL spectra of hybrid SZs nanofibers: S0 (black); SZ1 (red); SZ2 (blue); SZ3 (green).