

**Supplementary Materials:**

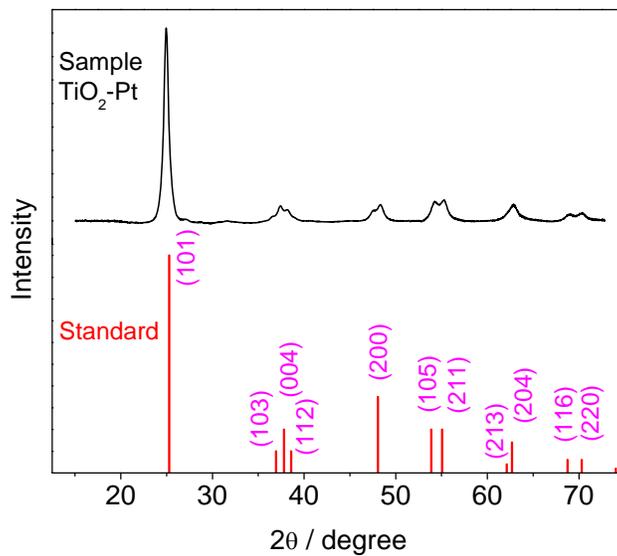


Figure S1. XRD patterns for the standard values of JCPDS No.21-1272 and TiO<sub>2</sub>-Pt nanofibers obtained by calcining Pt(OAc)<sub>2</sub>-TiO<sub>2</sub>-PVP nanofibers in air at 500 °C for 3h.

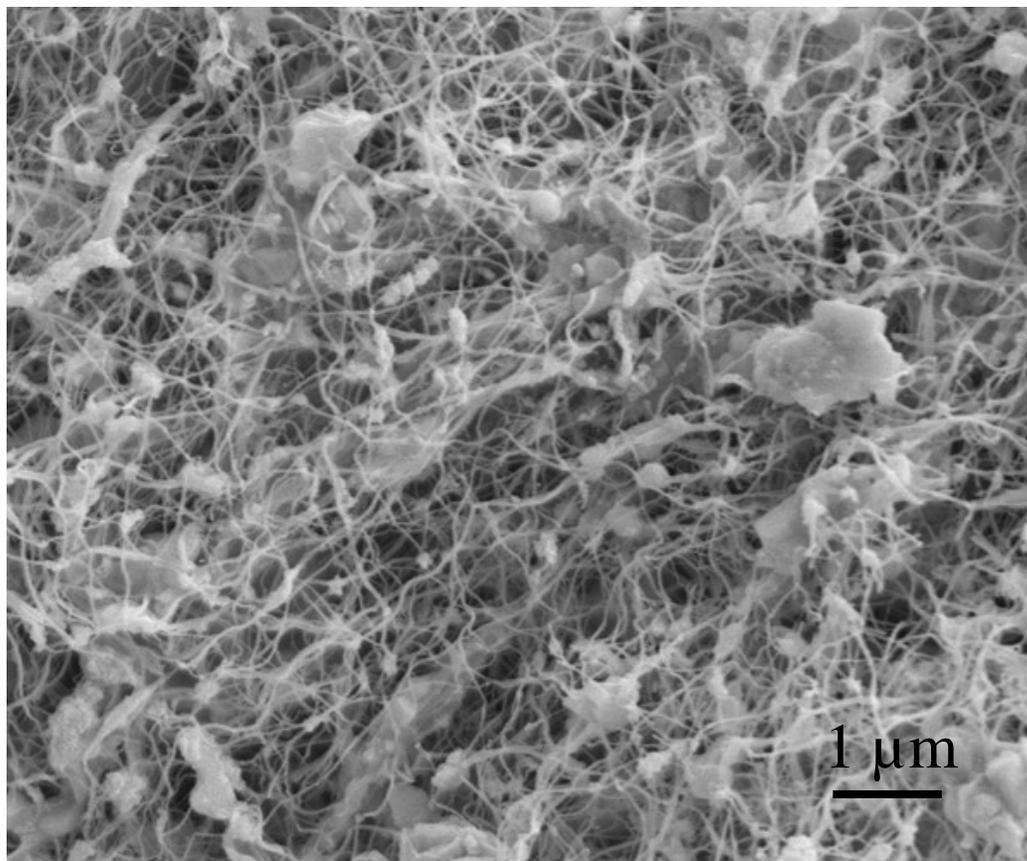


Figure S2. SEM image of Pt nanofibers obtained by calcining  $\text{Pt}(\text{OAc})_2$ -PVP nanofibers in air at 500 °C for 3h.

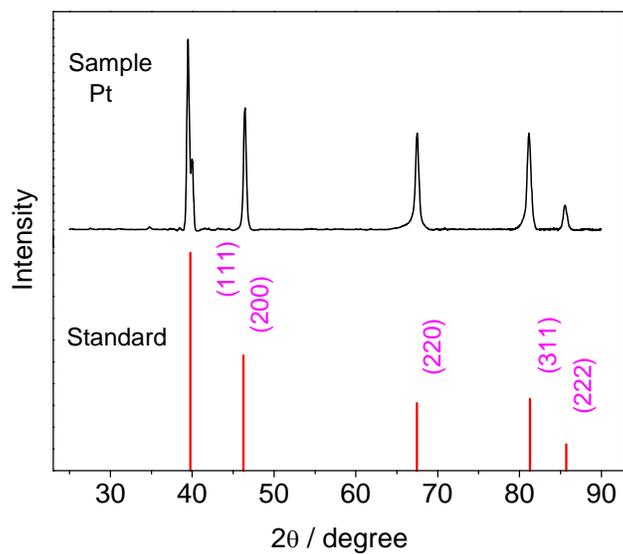


Figure S3. XRD patterns for the standard values of JCPDS No.04-0802 and Pt obtained by calcining Pt(OAc)<sub>2</sub>-PVP nanofibers in air at 500 °C for 3 h.