

Electronic Supplementary Information

**Interlaced $W_{18}O_{49}$ Nanofibers as Superior Catalyst for Counter
Electrode of Highly Efficient Dye-Sensitized Solar Cells**

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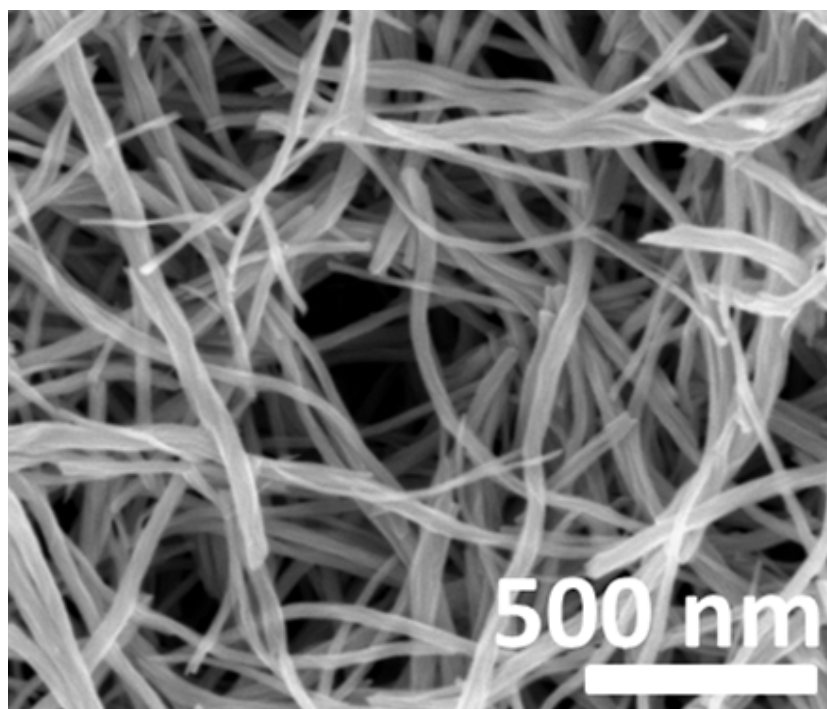


Figure S1. The enlarged SEM image for $W_{18}O_{49}$ NFs

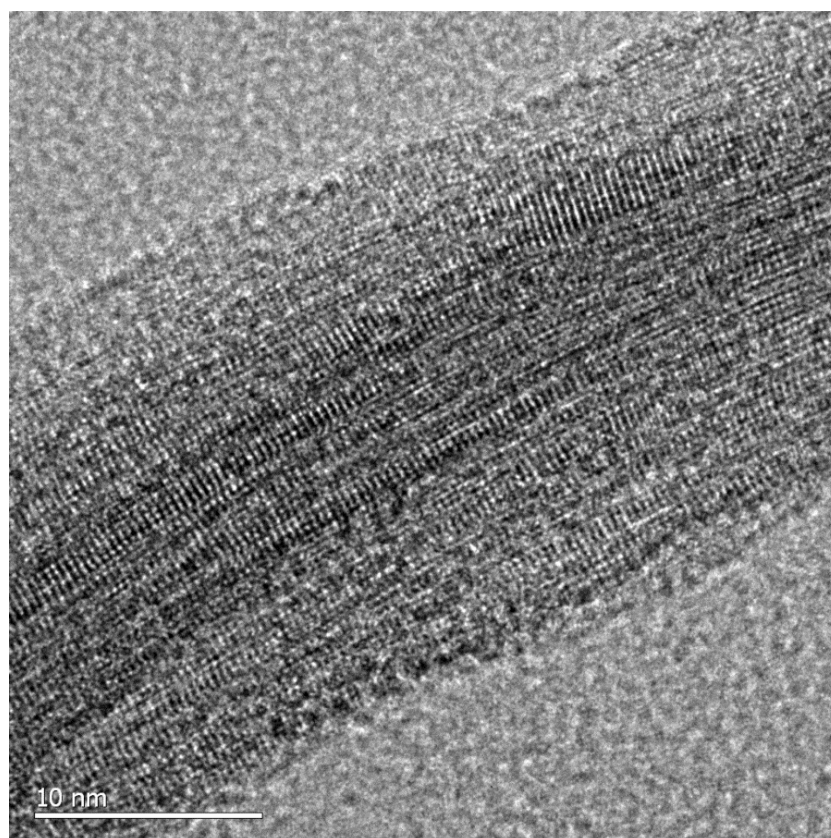


Figure S2. HRTEM image of $W_{18}O_{49}$ NF

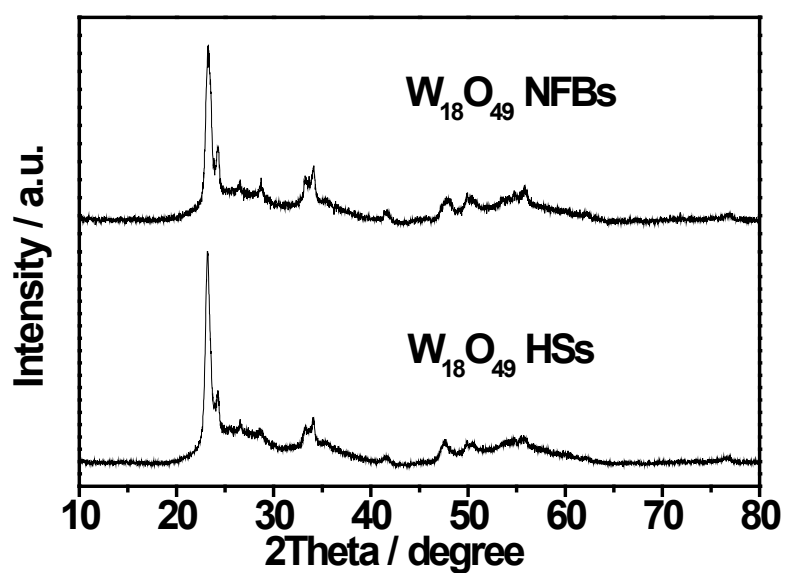


Figure S3. XRD patterns of synthesized $W_{18}O_{49}$ NFBs and HSs

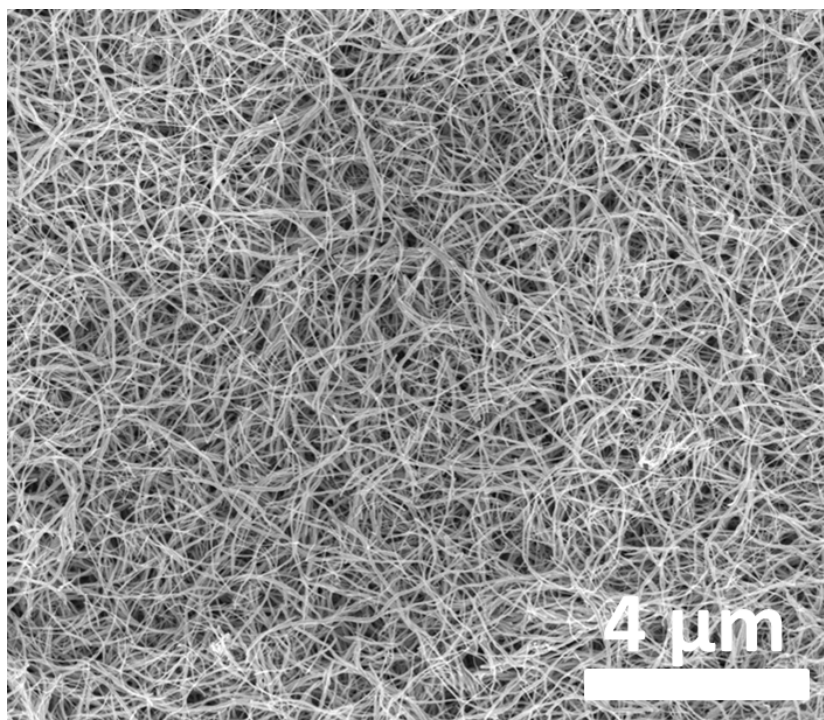


Figure S4 The low magnification SEM image for $\text{W}_{18}\text{O}_{49}$ NFs

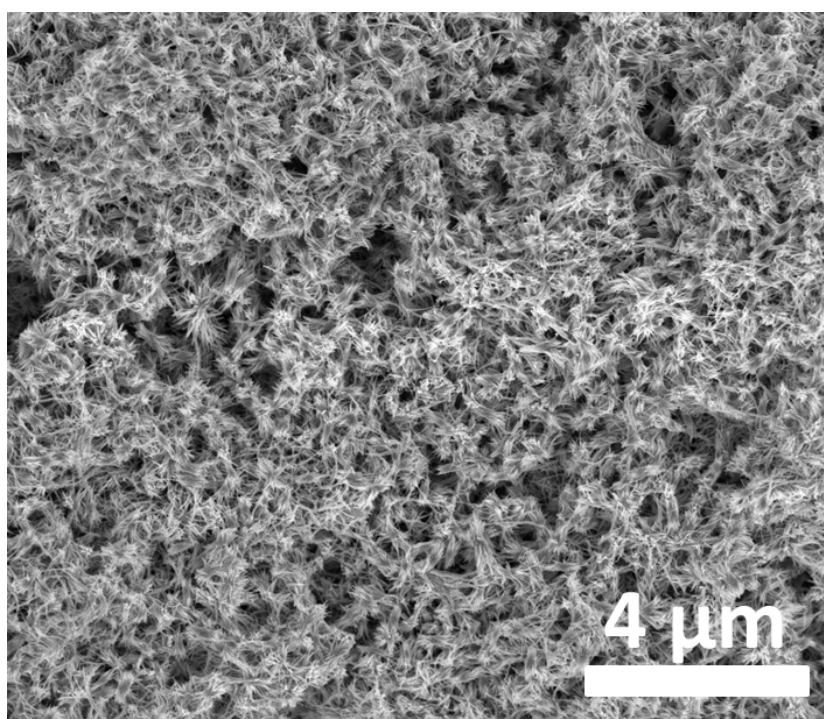


Figure S5 The low magnification SEM image for $\text{W}_{18}\text{O}_{49}$ NFBs

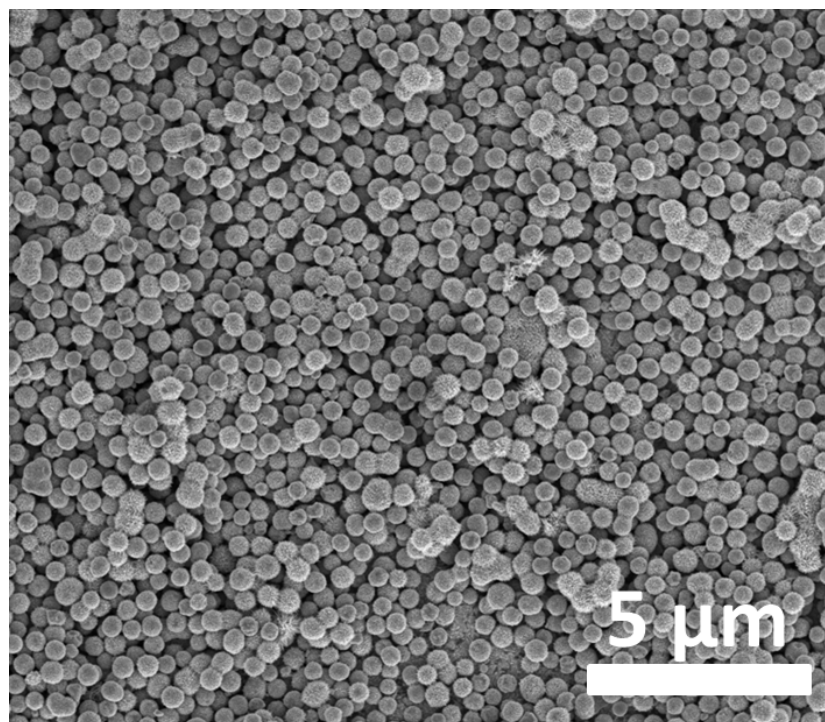


Figure S6 The low magnification SEM image for $\text{W}_{18}\text{O}_{49}$ HSs

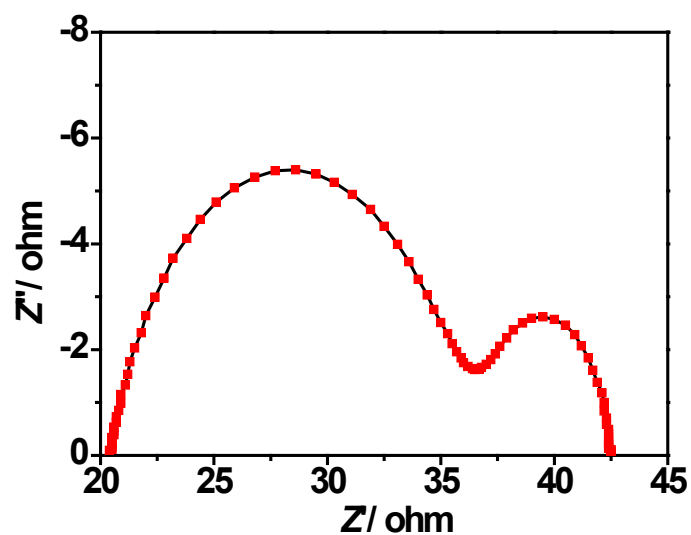


Figure S7. Nyquist plot of the symmetrical cells fabricated with the destructed $\text{W}_{18}\text{O}_{49}$ NFs

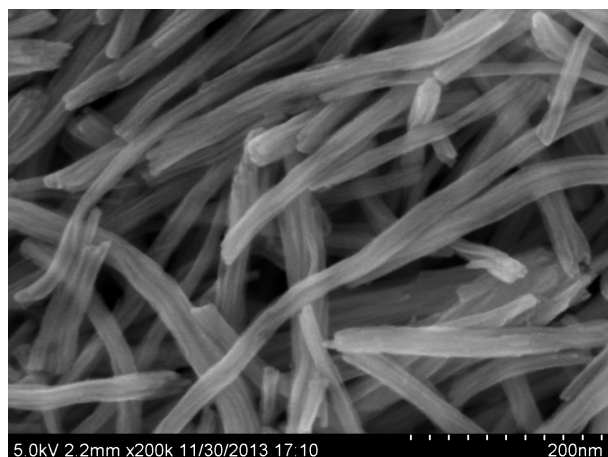


Figure S8. SEM of $W_{18}O_{49}$ NFs CEs after immersing in electrolyte for 48h.