Supporting Information

Highly Electrocatalytic Activity of W₁₈O₄₉ Nanowire for Cobalt Complex and Ferrocenium Redox Mediators

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Figure S1. SEM of W-O-W



Figure S2. XRD for W-O_V-W (black) and W-O-W (red), respectively.



Figure S3. a) and b) are the W 4f core-level spectrum of W-O_V-W and W-O-W, respectively. The ratio of $W^{5+/W6+}$ is obtained by fitting the curves.



Figure S4. Effect of different thickness of W-O_V-W on Tafel polarization.



Figure S5. a) Photocurrent density - voltage curves of DSCs utilizing Fc/FcPF₆ redox mediators without TiO₂ blocking layer. b) Dark current with and without the TiO₂ blocking layer.