

Investigation of Photoinduced Electron Transfer on TiO₂ Nanowires Arrays/Porphyrin Composite via Scanning Electrochemical Microscope

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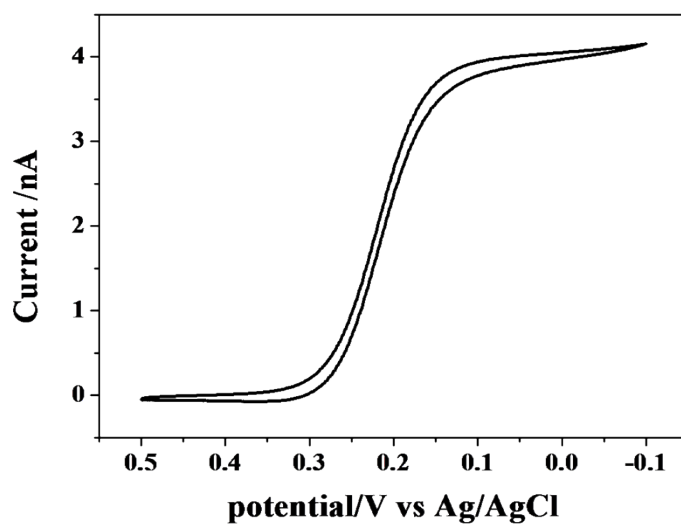


Figure S1 Typical cyclic voltammogram of the UME in 1 mM $\text{Fe}(\text{CN})_6^{3-/4-}$ containing 0.1 M KCl.

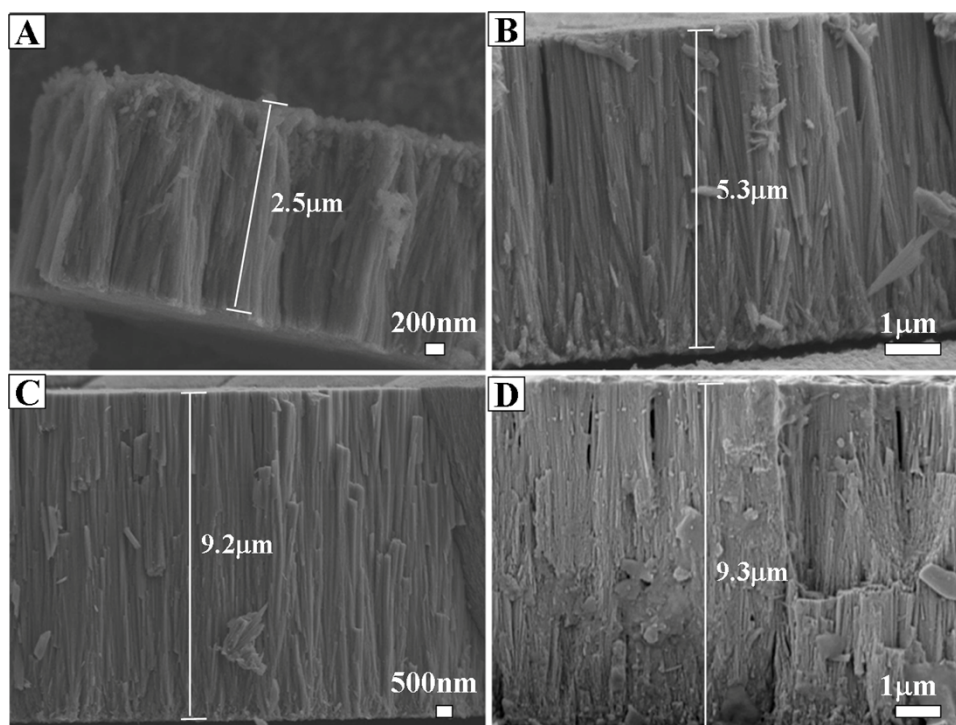


Figure S2 SEM images of FTO/TiO₂ electrodes grown from a two-step or three-step hydrothermal reaction for : (A) 4 h ; (B) 6 h ; (C) 9 h ; (D) 9 h.

Table S1 Determination of the EIS of each sample tested.

Sample	$R_s(\text{ohm})$	$R_{\text{SEI}}(10^3\text{ohm})$	$R_{\text{ct}}(10^3\text{ohm})$
S1	192.1	24.76	23.19
S2	186.4	8.99	1.582
S3	190.8	8.88	1.124
S4	187.9	7.12	1.062
S5	185.5	5.97	0.894
S6	182.8	3.58	0.626