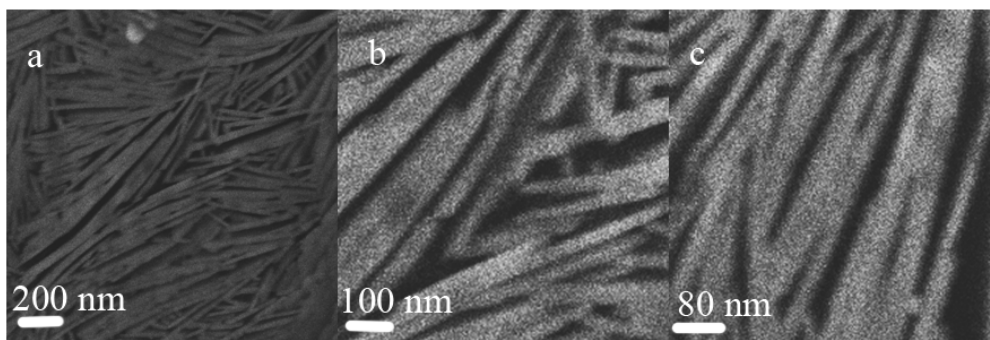


### Electronic Supplementary Information (ESI)



ESI Fig. 1 SEM images of M5 obtained under different magnifications.

ESI Table 1 a charge-transfer  $R_{ct}$  of M1-M5 was calculated by ZSimpWin software

Sample	$R_{ct}/\text{ohm}$
M1	7.8
M2	16.6
M3	9.5
M4	18.3
M5	5.6