Design and fabrication of $NiFe_2O_4$/few-layers WS_2 composite for supercapacitor electrode material

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Supplementary material

Figures

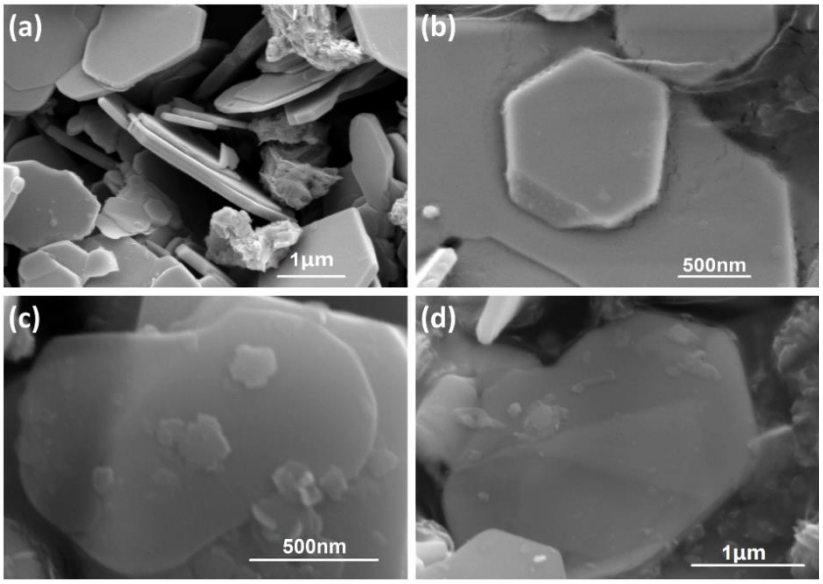

Fig. S1 (a)(b) SEM images of commercial WS_2. **(c)(d)** SEM images of treated few-layers WS_2.

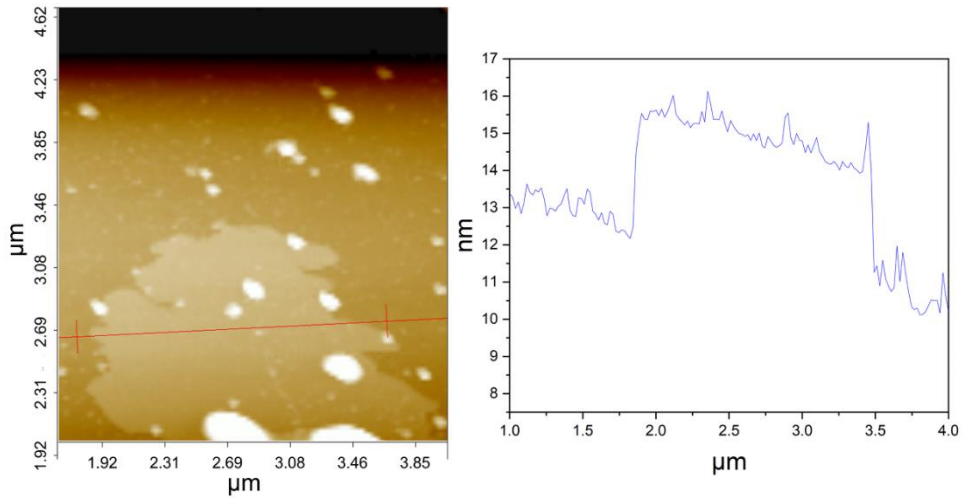

Fig. S2 Typical AFM topographic image and height profile plot (corresponding to the red line) of the treated WS_2.

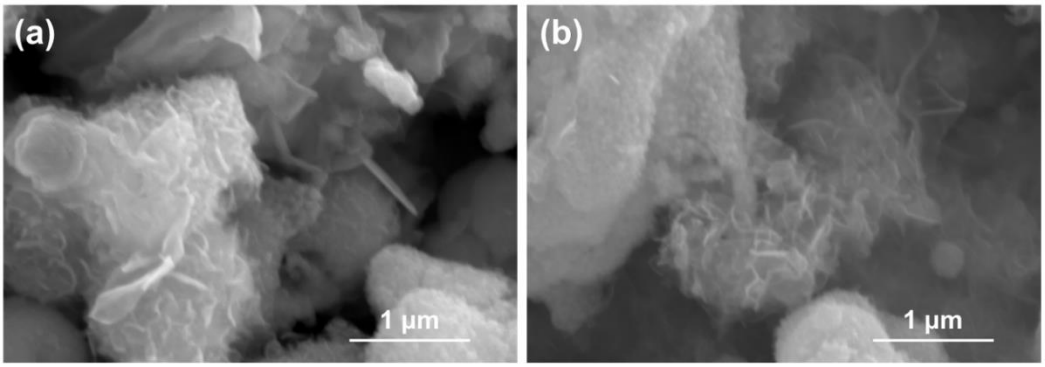

Fig. S3 SEM images of $NiFe_2O_4/WS_2$ synthesized at **(a)** 160 °C and **(b)** 200 °C.

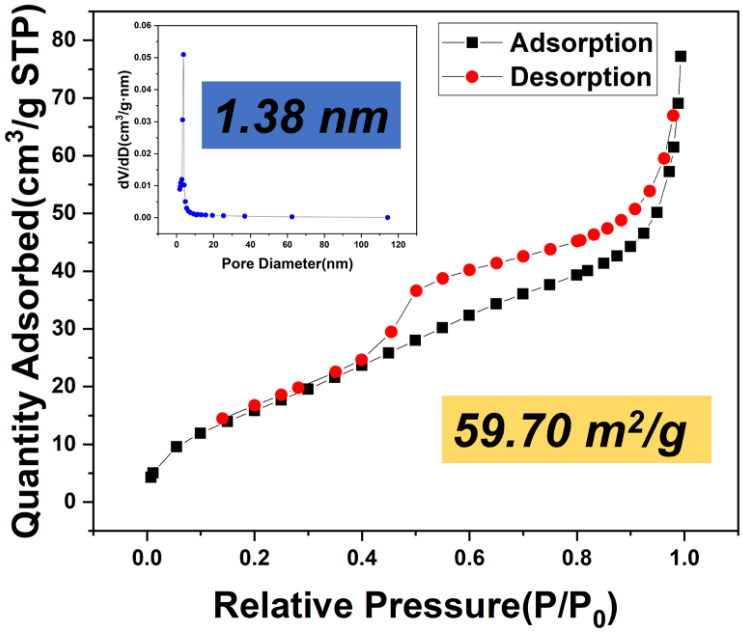

Fig. S4 N_2 adsorption and desorption curve and pore size distribution of $NiFe_2O_4$ nanospheres/WS_2.

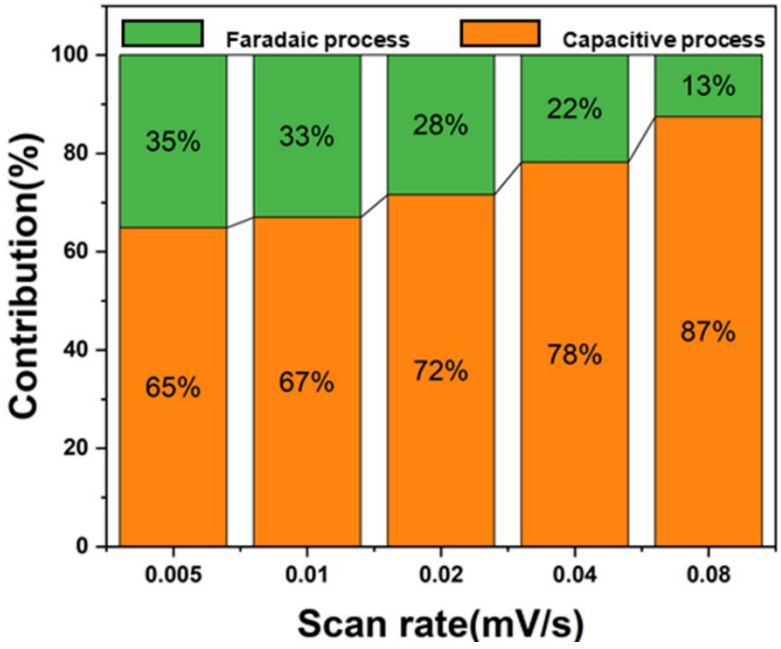

Fig. S5 Contribution of faradaic and capacitive processes to the energy storage of $NiFe_2O_4$ nanospheres/WS_2.