

Supplementary Information

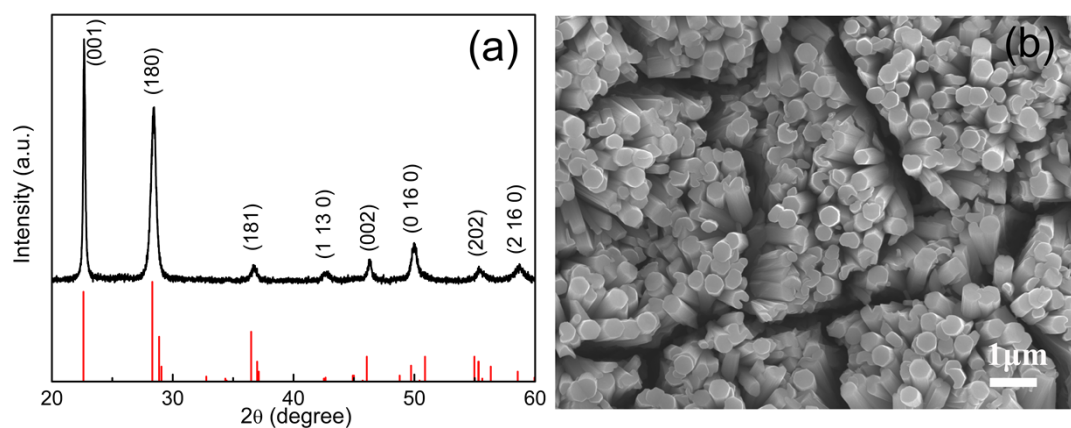


Fig.1S (a) XRD pattern and (b) SEM image of the samples synthesized by hydrothermal at 150 °C using 12.5M NH_4F and 20ml H_2O_2 (30 wt.%) annealed at 500 °C in O_2 atmosphere for 1 hour.

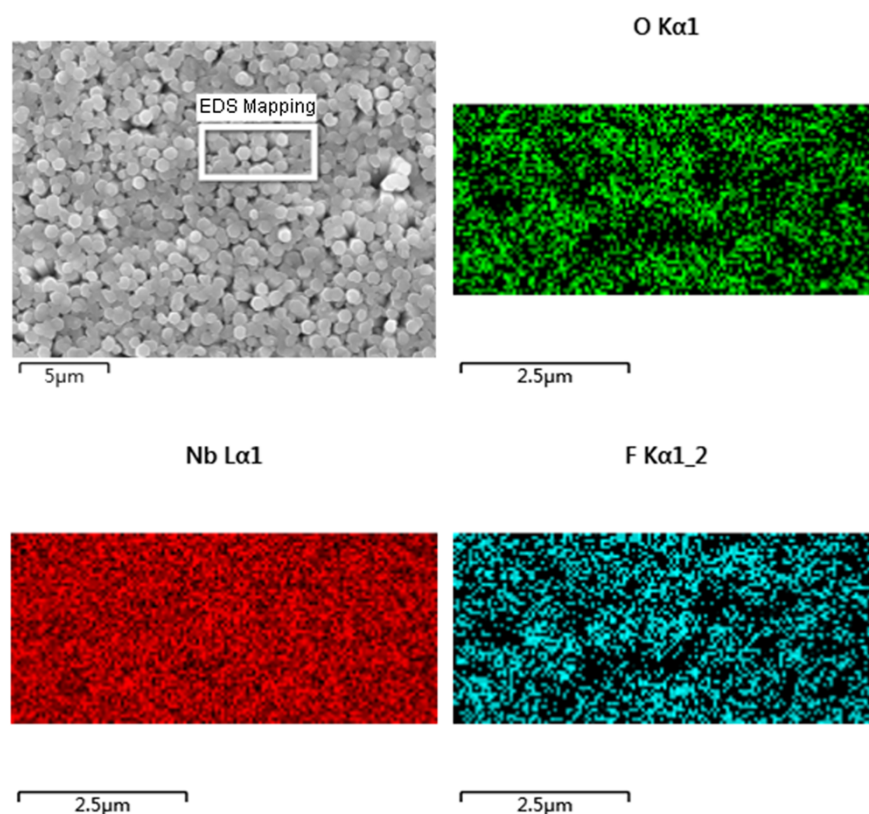


Fig. 2S EDS mapping results of sample obtained at 150°C with NH_4F concentration of 5.00 M and 20 ml H_2O_2 (30wt.%)

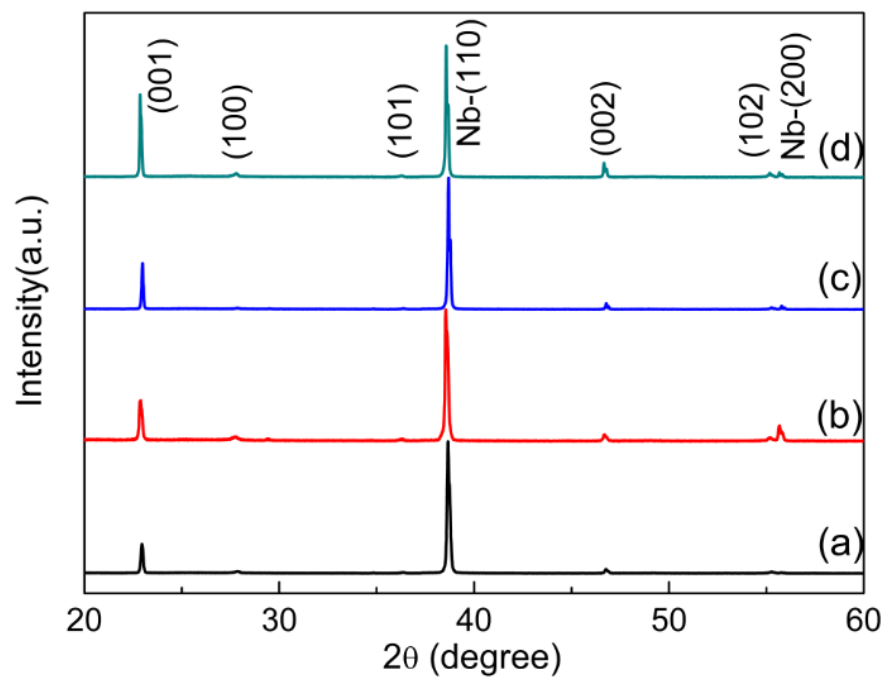


Fig. 3S XRD patterns of the Nb_2O_5 nanorod arrays obtained by hydrothermal process at 150 °C for different reaction time. (a) 5h, (b) 10h, (c) 15h, (d) 20h.