

Figure S1. TEM bright field micrographs of TKCNT/ Pt prepared at different time (a) 12h and (b) 36h.



Figure S2. Selected bright field images of TEM tilt series obtained by tilting the TNCNT/ Pt sample to different angles: $+60^{\circ}$, $+20^{\circ}$, 0° , -15° and -52° .