

Supplementary Information

Fabrication of TaS₂ nanobelt arrays and their enhanced field-emission

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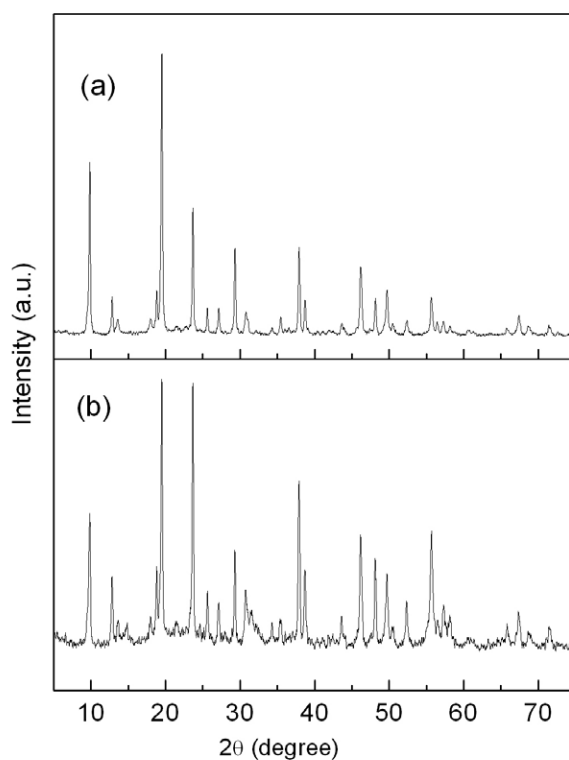


Fig. S1. XRD patterns of TaS₃ nanobelts prepared at (a) 450 °C and (b) 750 °C for 6h, which can be indexed as orthorhombic TaS₃ (JCPDS No. 18-1313).

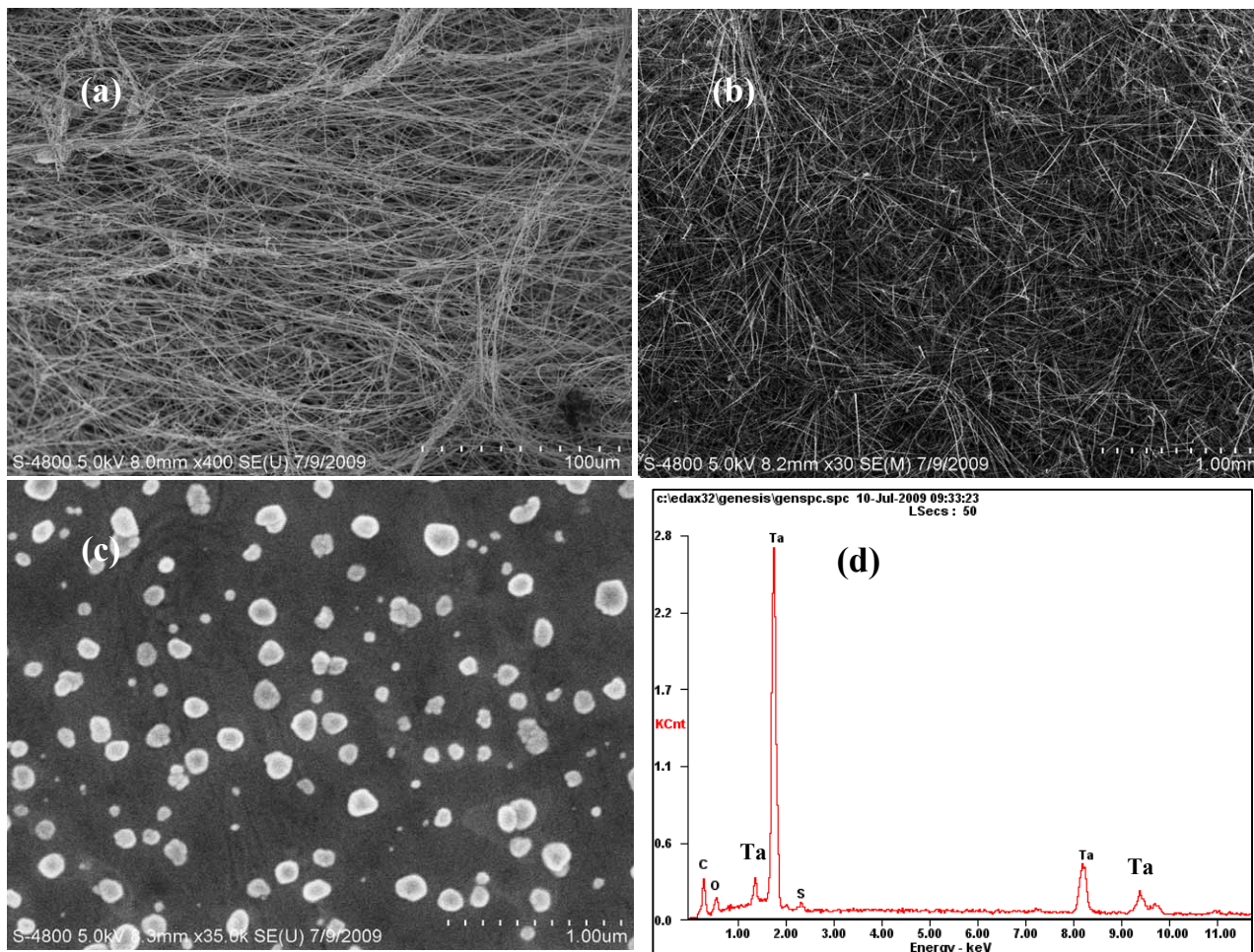


Fig. S2. SEM images of TaS₃ nanobelts prepared at (a) 450 °C and (b) 750 °C for 6h. (c) SEM image of products grown on Ta foil by reaction of Ta foil with S at 350 °C for 6h. (d) EDX spectrum of products grown on Ta foil by reaction of Ta foil with S at 350 °C for 6h, showing Ta/S atomic ratio of 93.09:6.91.