Electronic Supplementary Information

One-step strategy to three-dimensional graphene/VO_2 nanobelt composite hydrogels for high performance supercapacitors

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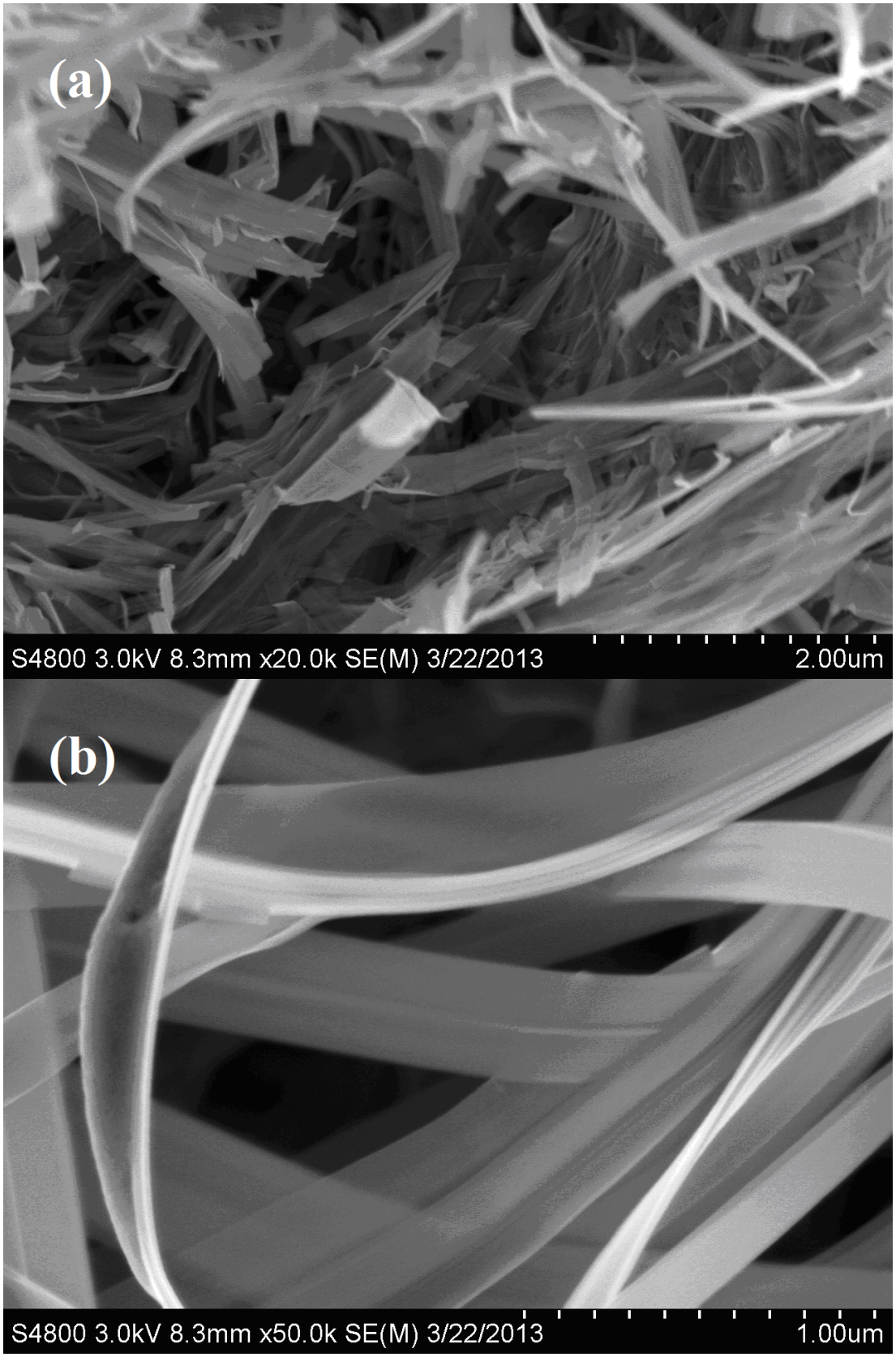

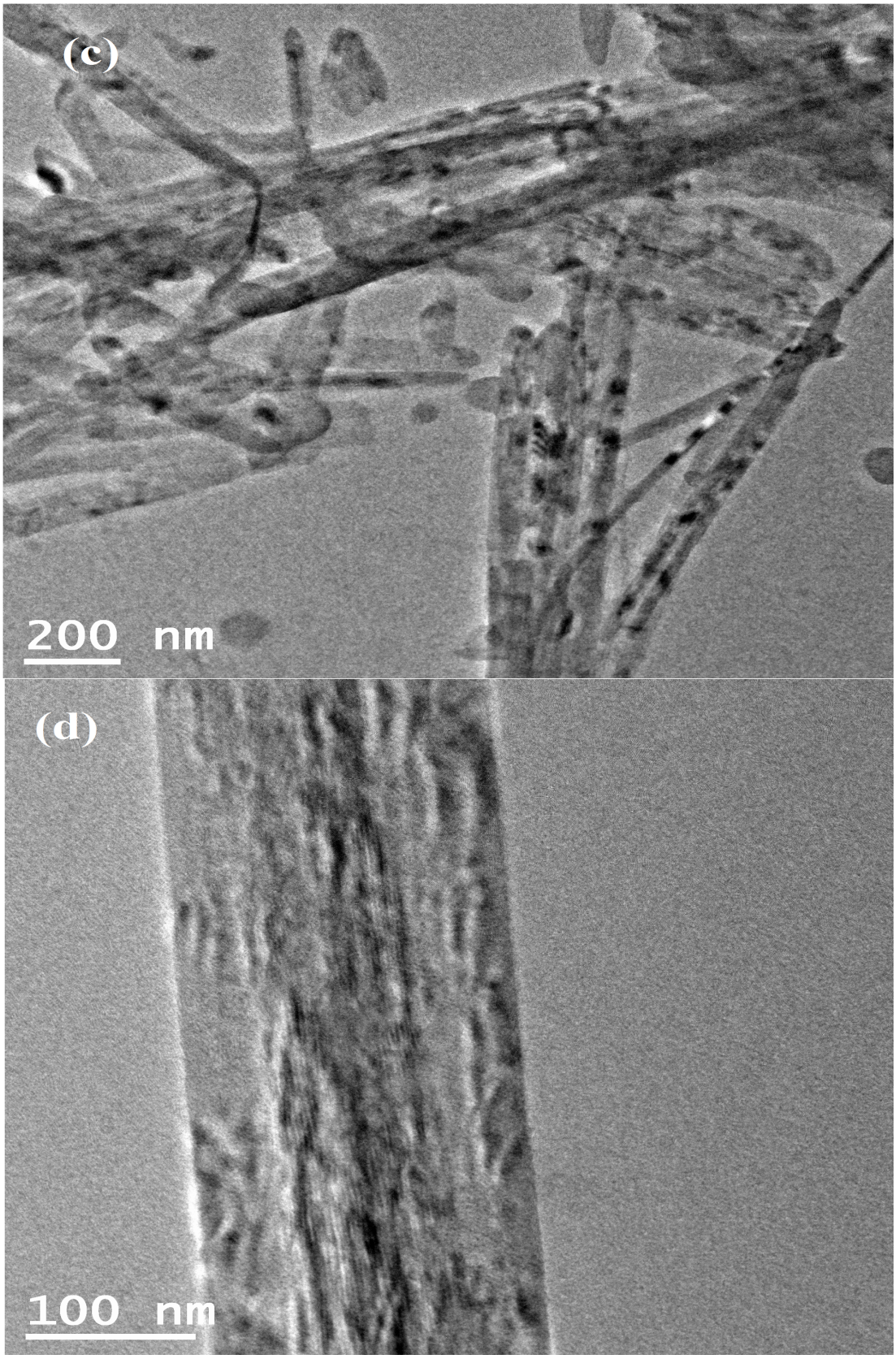

Fig. S1 (a,b) FESEM and (c,d)TEM images of VO_2 nanobelts.

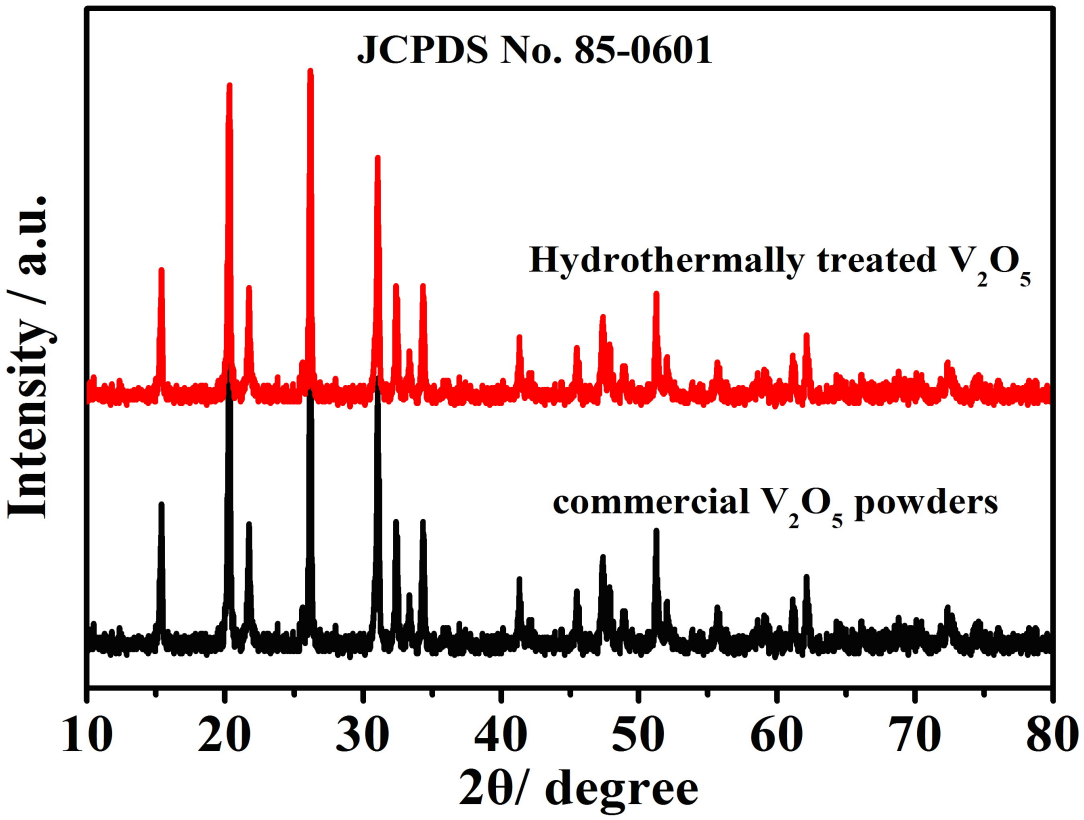

Fig. S2 XRD patterns of commercial V_2O_5 powders and hydrothermally treated V_2O_5.

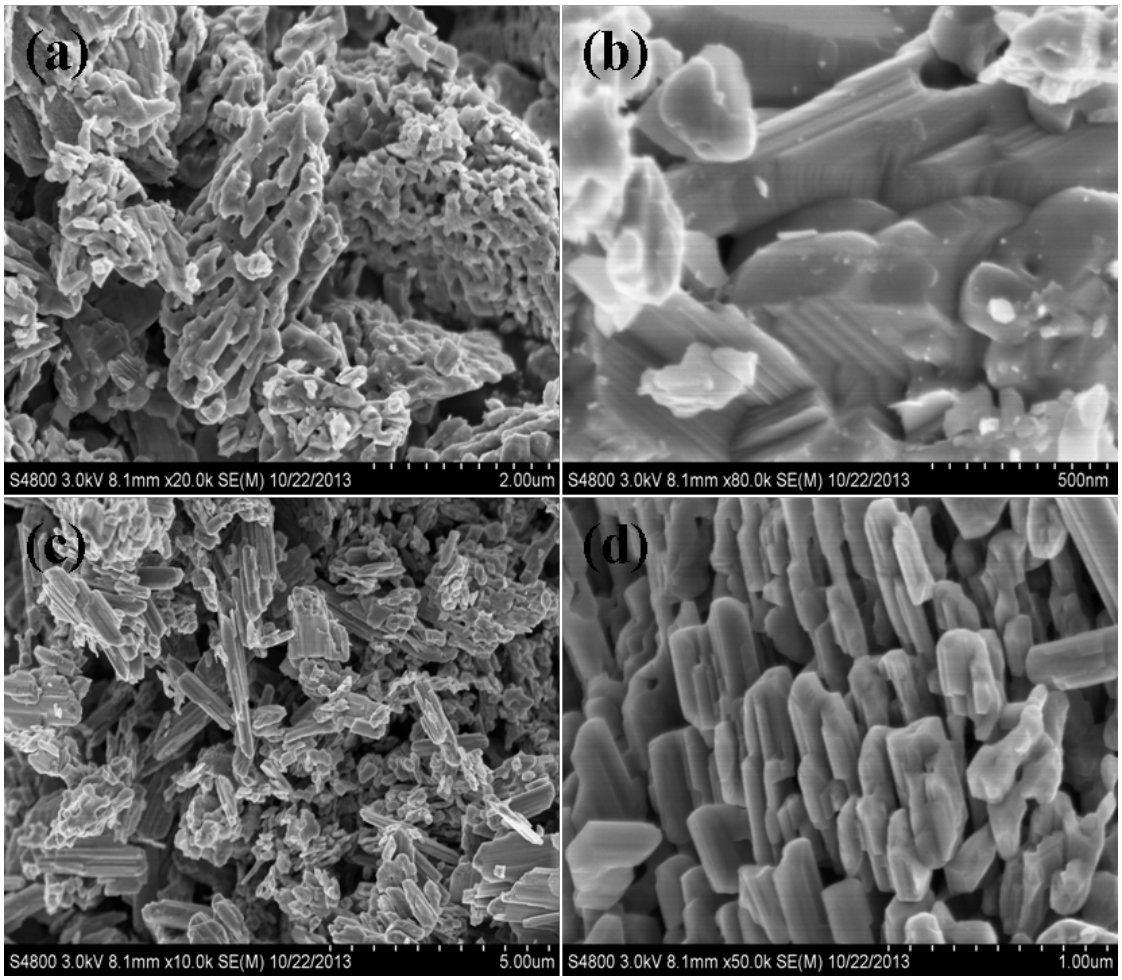

Fig. S3 FESEM images of (a, b) commercial V_2O_5 powders and (c, d) hydrothermally treated V_2O_5

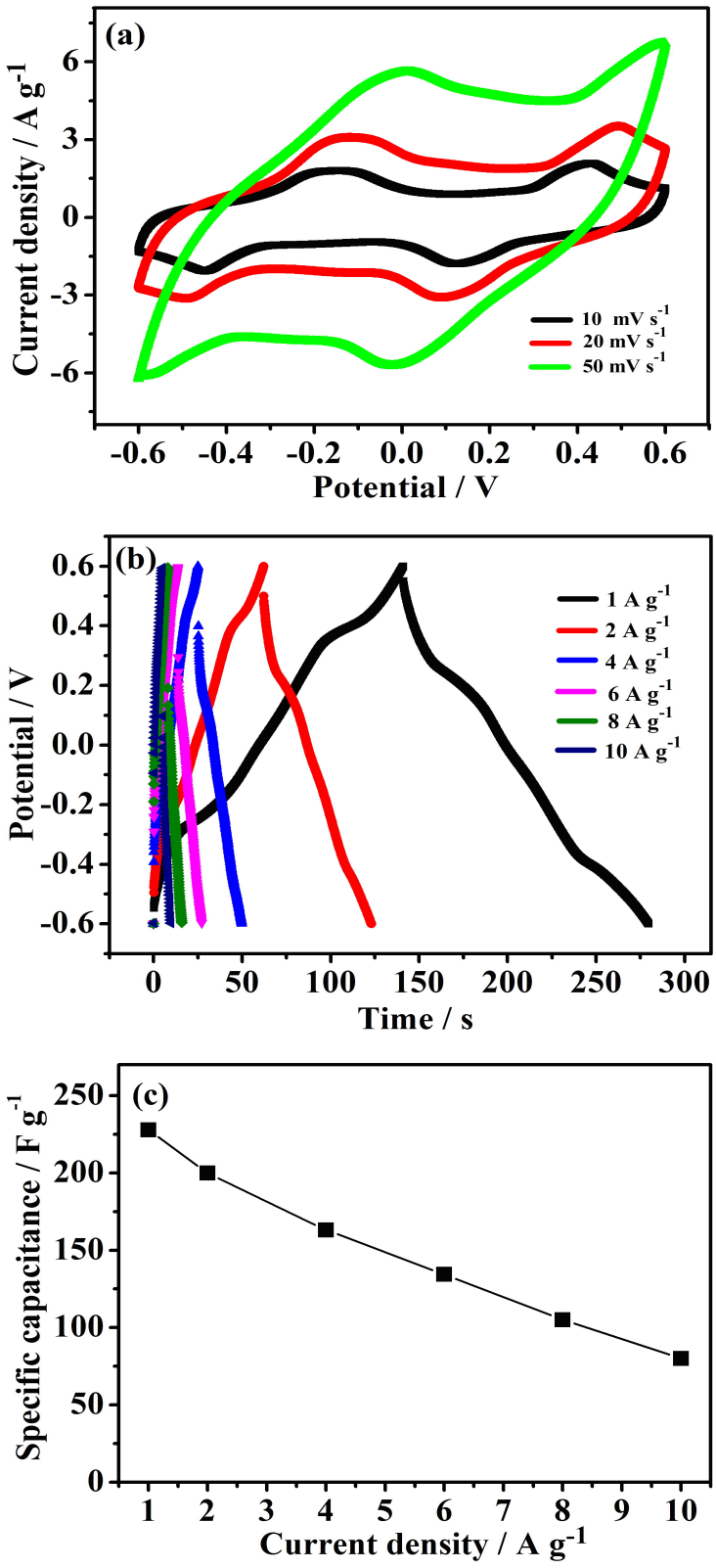

Fig. S4 Electrochemical characteristics of VO_2 graphene mixture: (a) CV curves at various scan rates. (b) Galvanostatic discharge curves at various current densities. (c) Specific capacitance at different current densities.