Electronic Supplementary Material (ESI) for Nanoscale.

Supporting Information

Free-Standing Nanostructured Vanadium Pentoxide Films for Metal-Ion Batteries

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Table S1. V_2O_5 nanofiber length determined from AFM scans in dependence of the dispersion growth time.

V_2O_5 nanofibers	V_2O_5-1	V_2O_5-2	V_2O_5-3	V_2O_5-4
Growth time (d)	3	14	28	42
Length (µm)	0.54 + 0.47	1.13 + 0.46	1.30 + 0.64	1.95 + 0.51

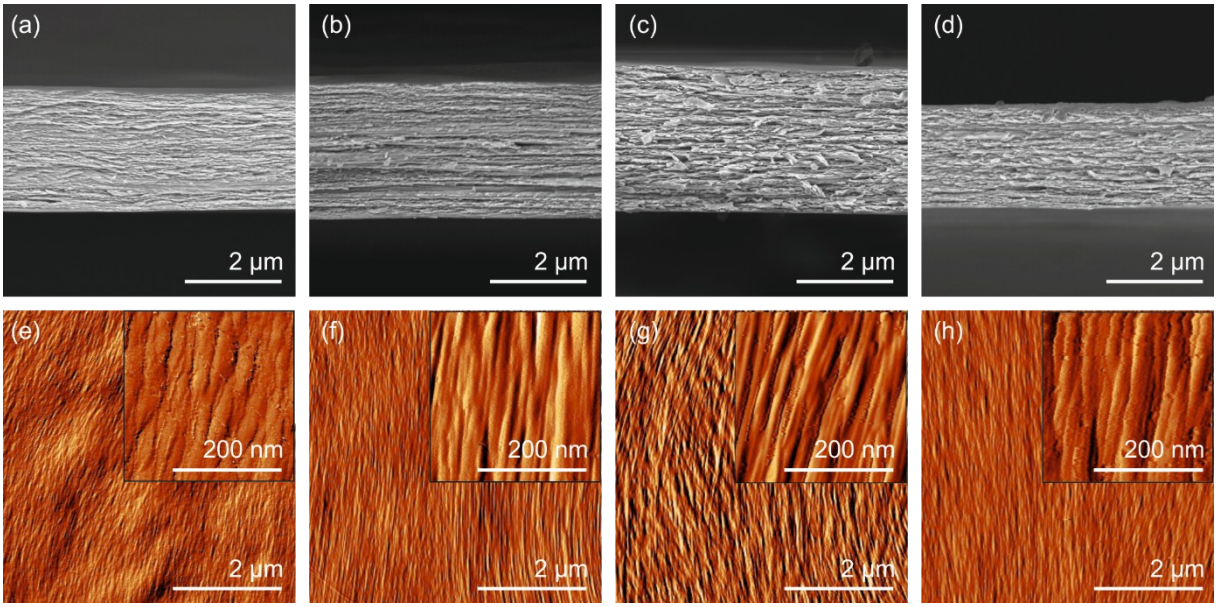

Figure S1. (a)-(d) SEM cross-section images of paper's fracture surface for (a) V_2O_5-1/PT, (b) V_2O_5-2/PT, (c) V_2O_5-3/PT and (d) V_2O_5-4/PT. (e)-(h) AFM amplitude images with an inset of higher magnification of the paper's surface for (e) V_2O_5-1/PT, (f) V_2O_5-2/PT, (g) V_2O_5-3/PT and (h) V_2O_5-4/PT.

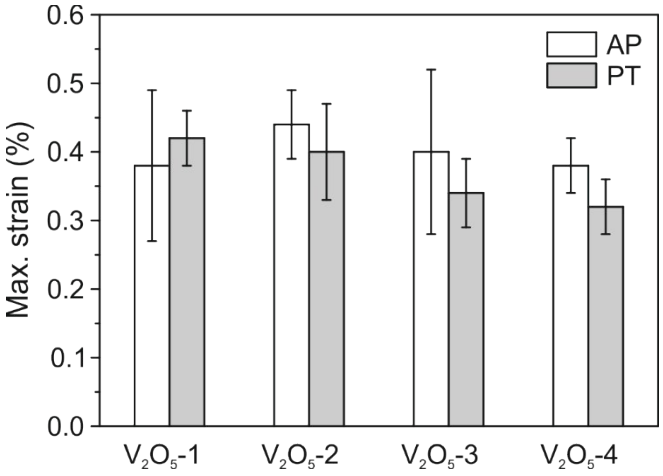

Figure S2. Determined maximum strain for AP and PT samples obtained from nanotensile tests.