

Supplementary Information

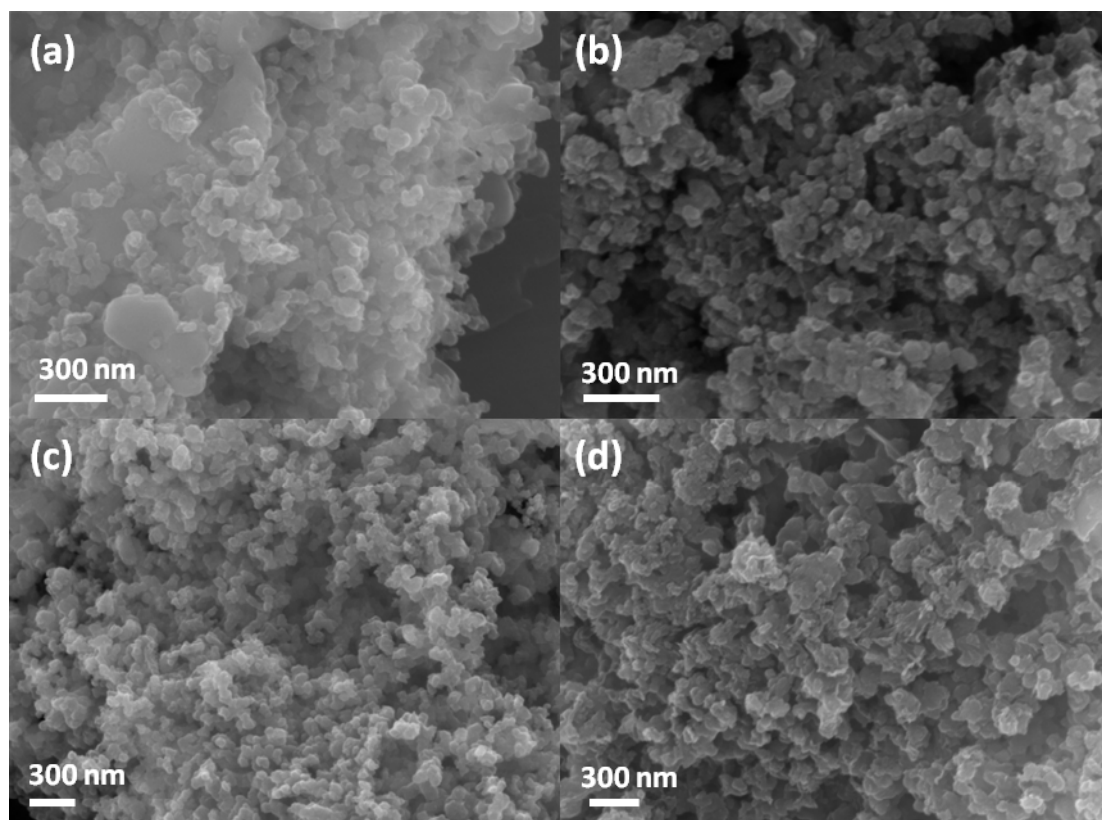


Figure S1 SEM images of S0, S10, S20 and S30

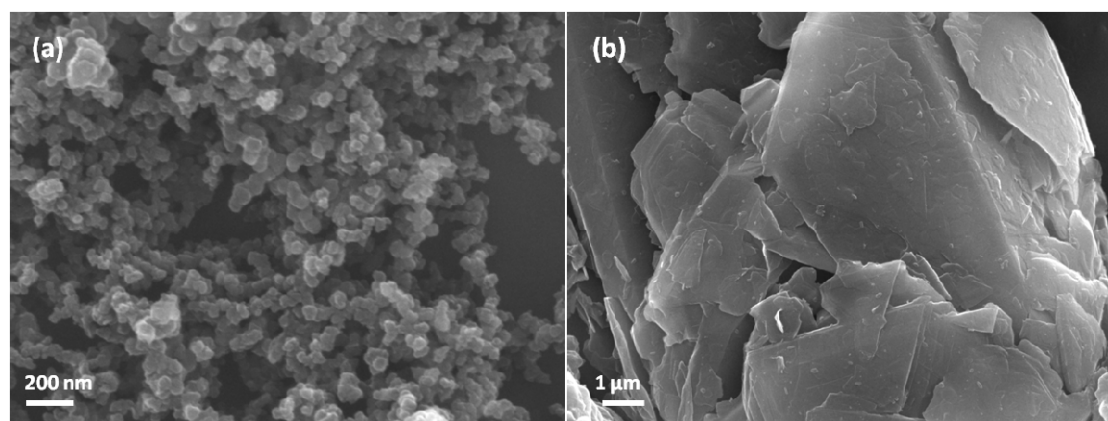


Figure S2 SEM images of acetylene black (a) and graphite (b)

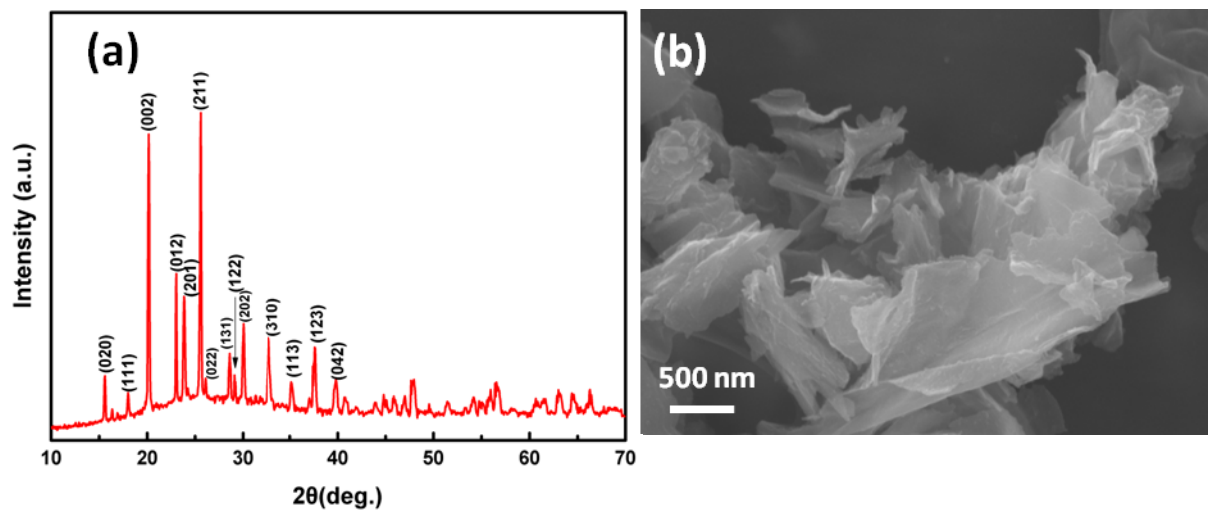


Figure S3 XRD (a) and SEM (b) image of $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ using graphite as carbon source and 20% PEG

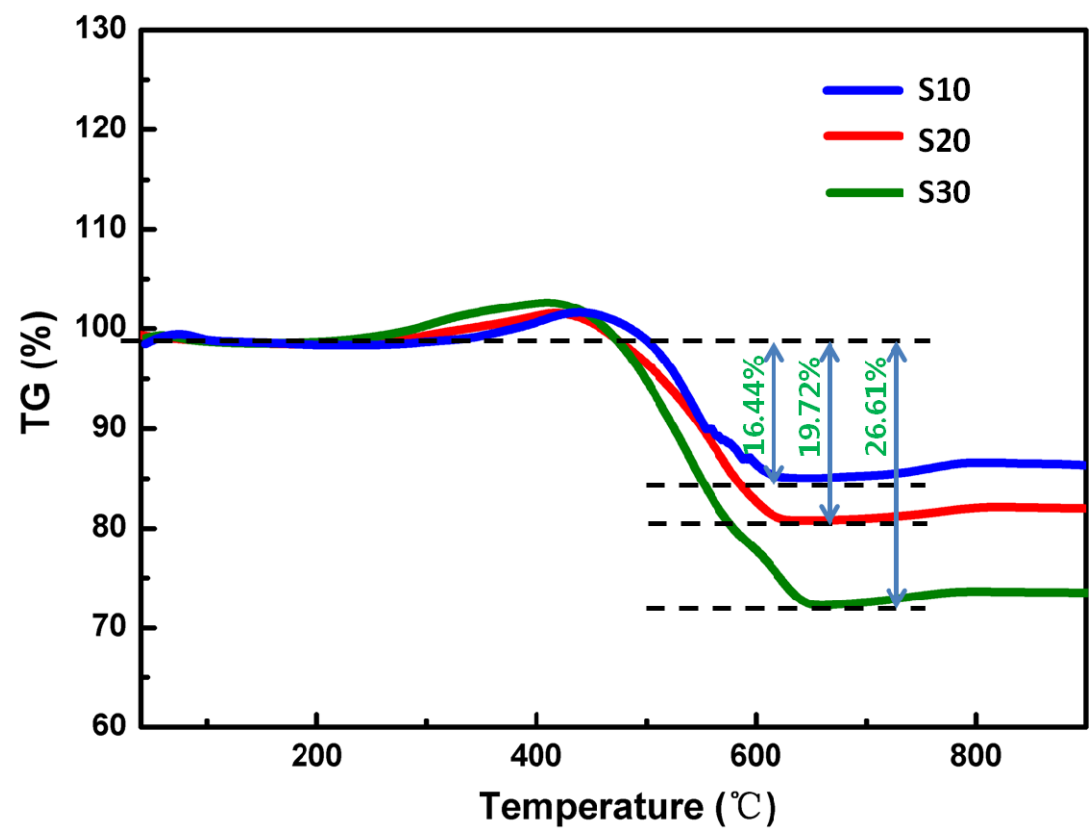


Figure S4 TG analysis of S10, S20 and S30

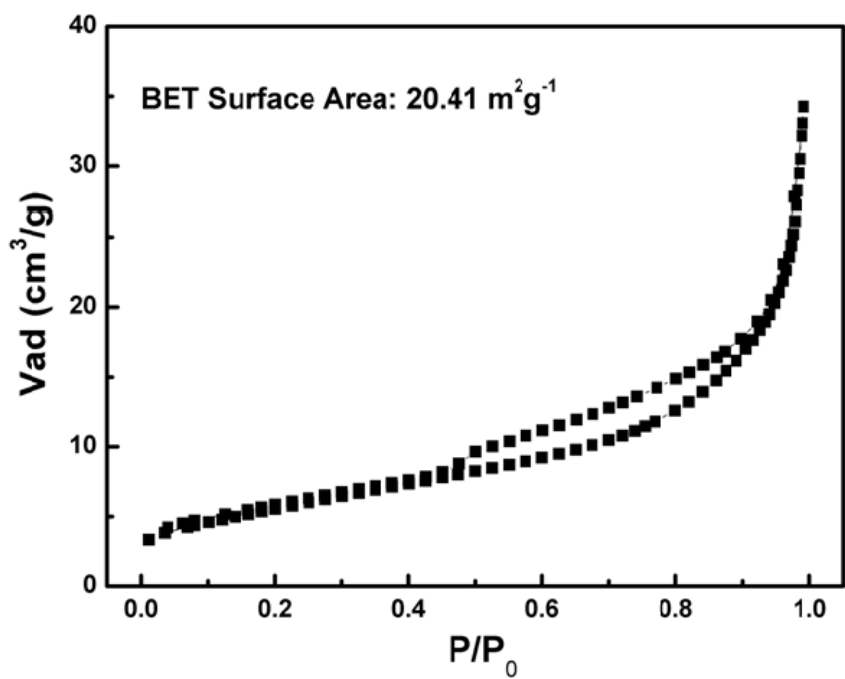


Figure S5 BET analysis of S20

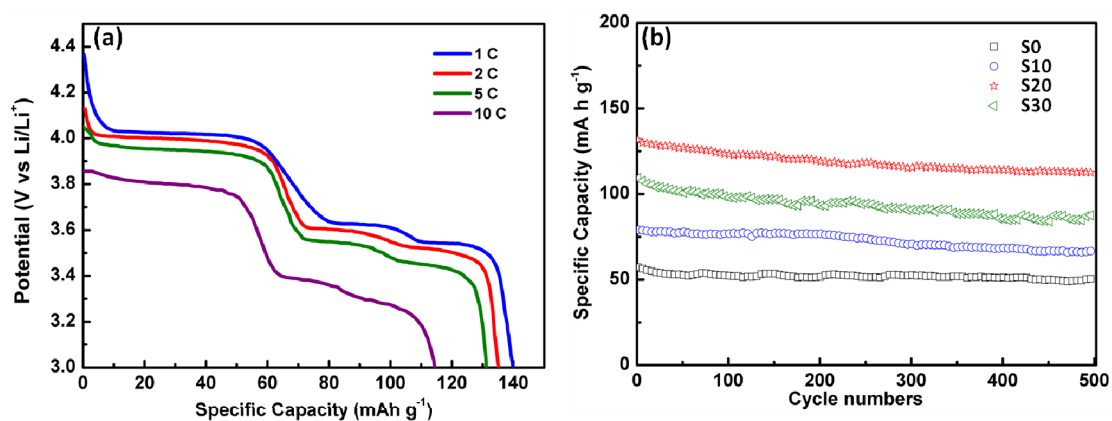


Figure S6 Charge-discharge performance of S20 at different rates (a), cycling performance of S0, S10, S20 and S30 at 5C

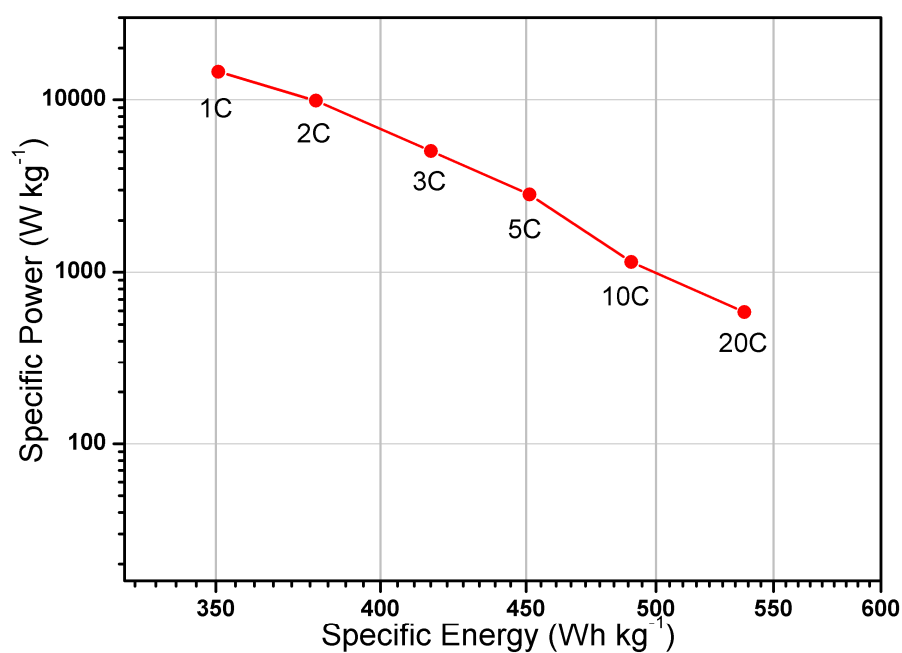


Figure S7 Ragone plot of S20 with high specific energy and power.