Electronic Supplementary Material (ESI) for Nanoscale


# Single-crystalline metal germanate nanowires/carbon textile as binder-free, self-supported anodes for high-performance lithium storage

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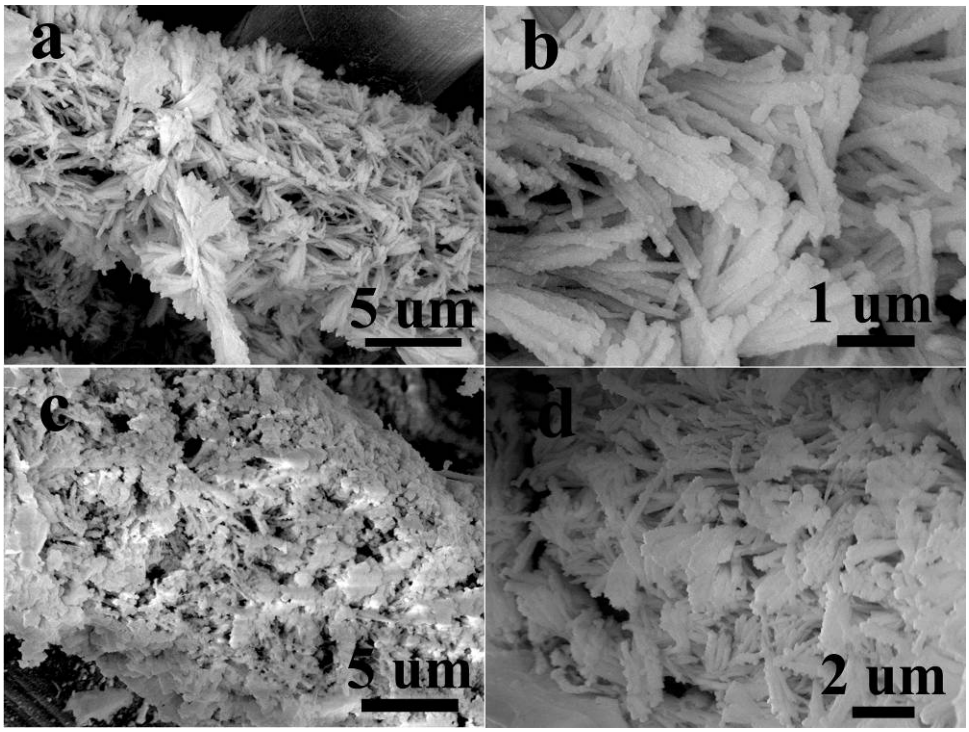


**Figure S1.** SEM images of the self-supported $BaGe_4O_9$ nanowires/carbon textile anodes after 20 discharge/charge cycles under the current density of 400 mA/g. (a. b) the state of charging up to 3.0 V, and (c. d) the state of discharging down to 0.01 V.

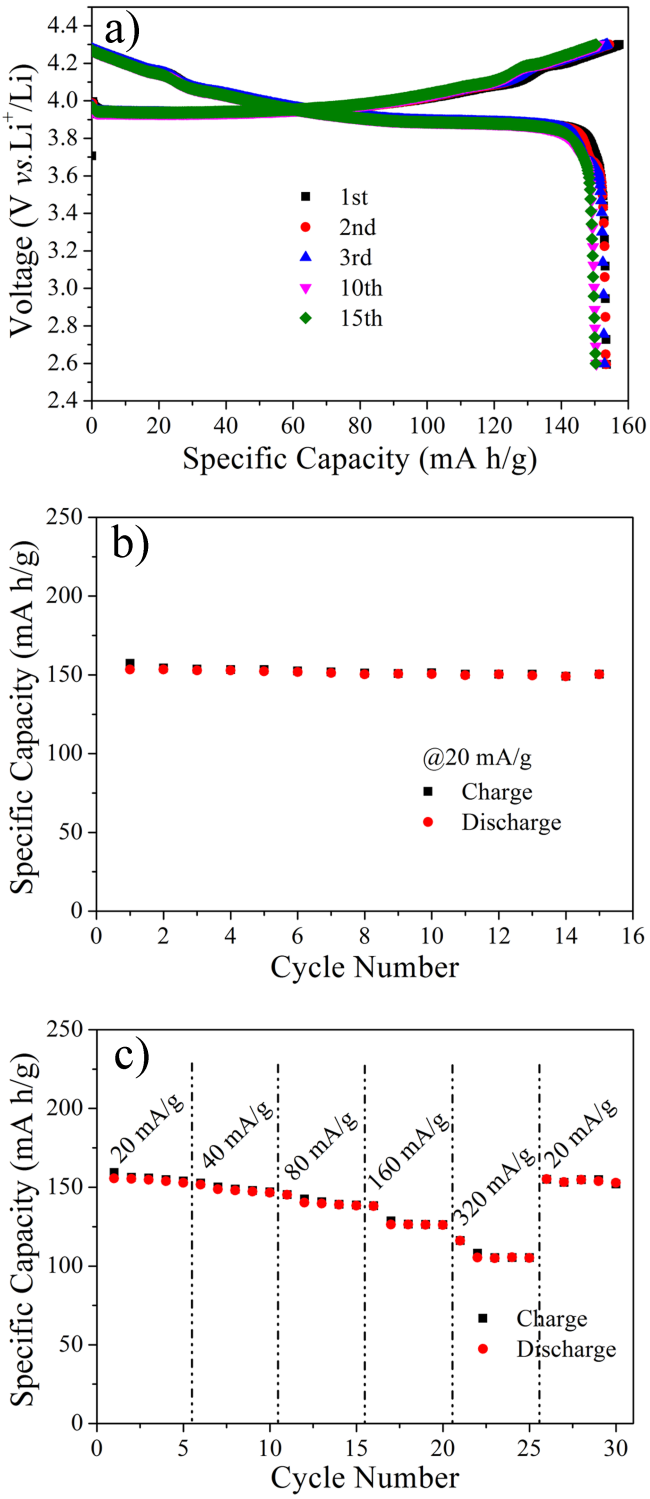


**Figure S2.** The electrochemical behaviours of the commercial $LiCoO_2$ cathode: a) the 1st, 2nd, 3rd, 10th and 15th charge-discharge curves at 20 mA/g within the voltage window 2.6-4.3 V; b) the cycle performance at the current density of 20 mA/g; (c) the rate performance at the increasing current density ranging from 20 mA/g to 320 mA/g.