Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.

Scalable synthesis of 2D laminate Li_3VO_4/C for robust pseudocapacitive Li-ion storage

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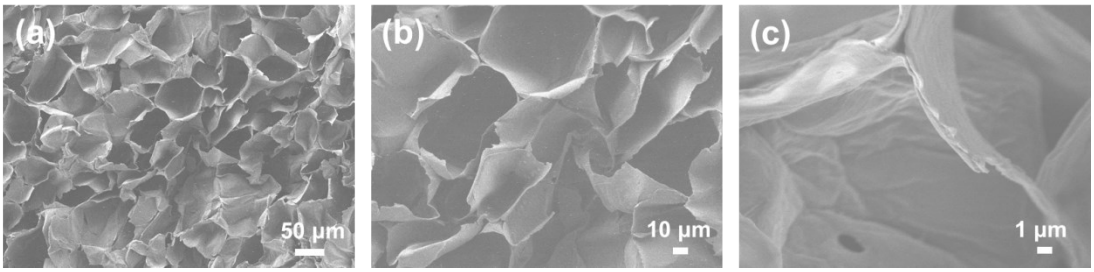

Figure S1 SEM images of Toon tree fruit with different magnification.

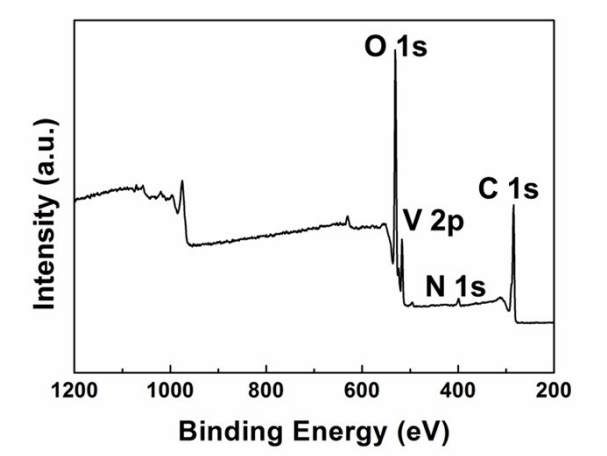

Figure S2 Survey XPS spectrum of the 2D laminate Li_3VO_4/C.

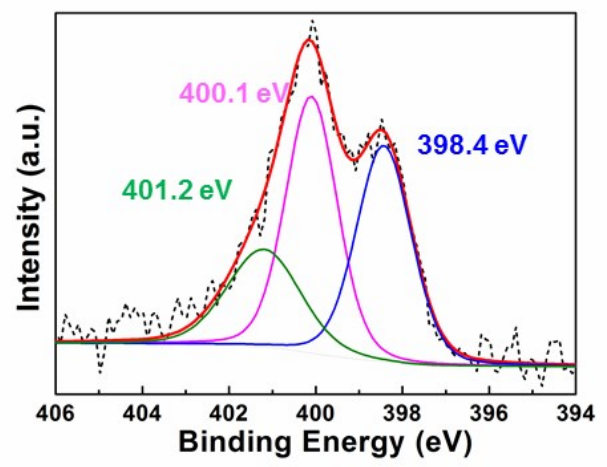

Figure S3 High resolution XPS spectrum of N 1s for the 2D laminate Li_3VO_4/C.

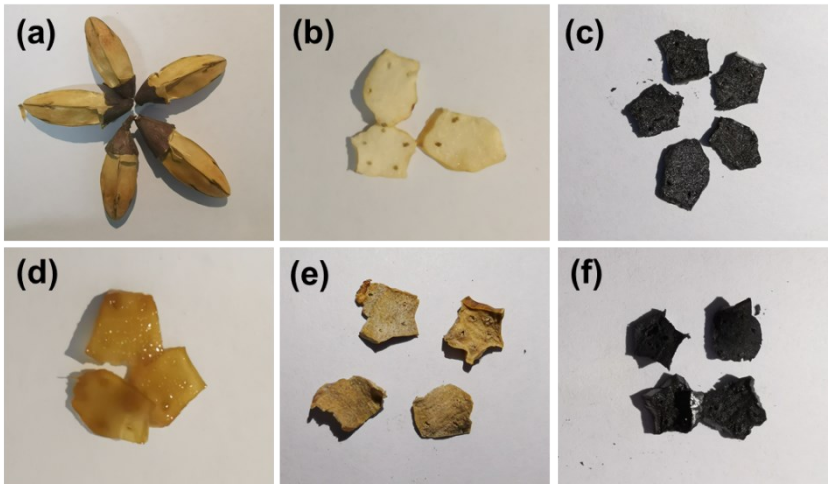

Figure S4 Optical photos of toon tree fruit and derived products. (a) natural toon tree fruit, (b) toon tree fruit slices, (c) carbon derived from toon tree fruit. (d) soaked toon tree fruit slices, (e) soaked toon tree fruit slices after drying, and (f) soaked toon tree fruit slices after sintering.

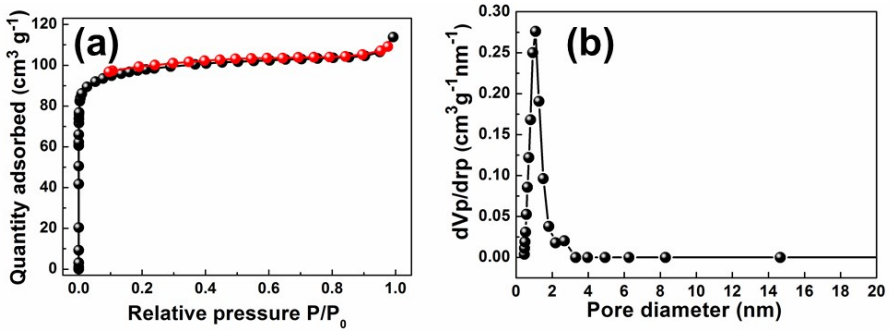

Figure S5 BET results and pore size distribution of C nanosheets derived from toon tree fruit.

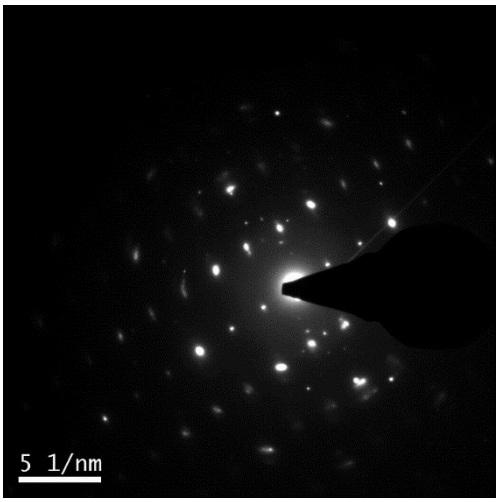

Figure S6 SAED pattern of pristine Li_3VO_4 obtained in the same condition.

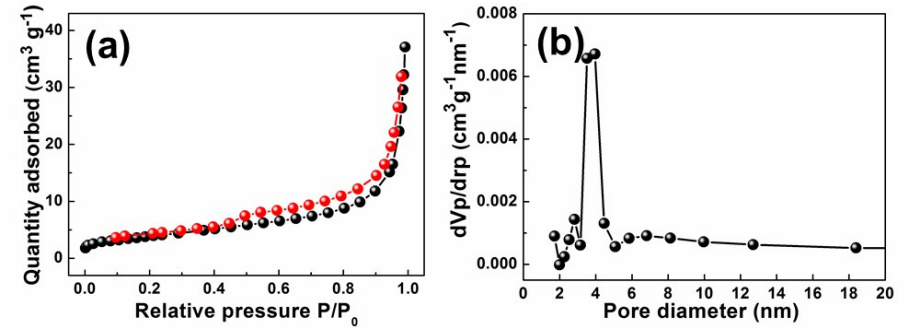

Figure S7 BET results and pore size distribution of the 2D laminate Li_3VO_4/C.

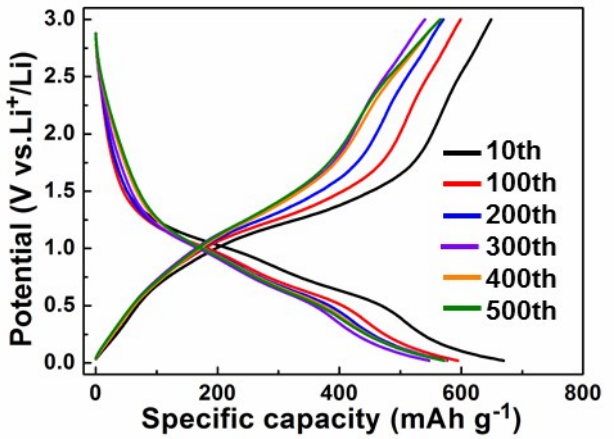

Figure S8 Representative charge/discharge curves of the 2D laminate Li_3VO_4/C.