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**Porous $\text{Li}_4\text{Ti}_5\text{O}_{12}$ - TiO_2 nanosheet arrays for high-performance
lithium-ion batteries**

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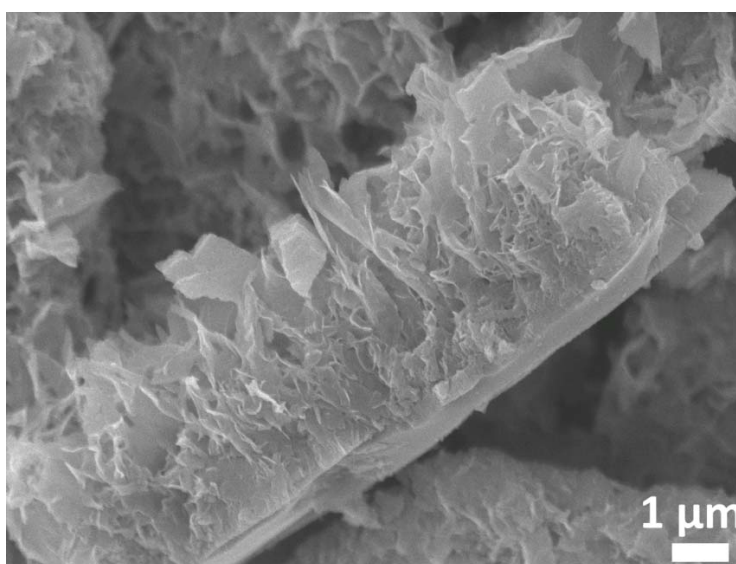


Figure S1. Cross-sectional SEM image of the TiO_2 nanosheet array.

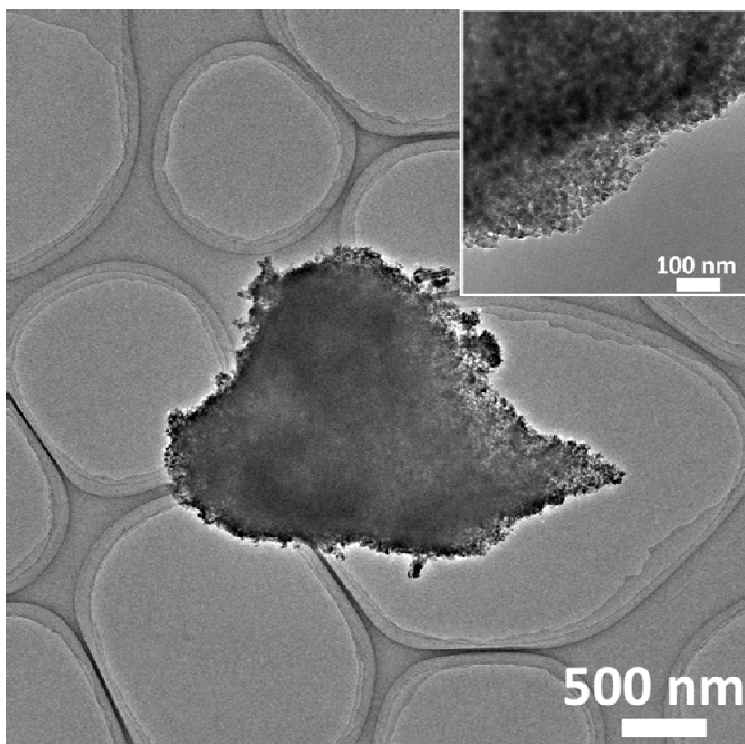


Figure S2. TEM image for an individual TiO_2 nanosheet, the inset is the enlarged TEM image of the TiO_2 .

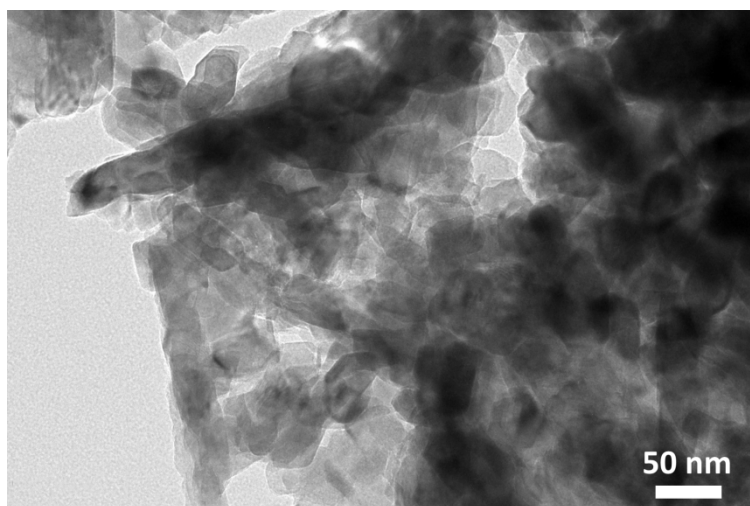


Figure S3. TEM image of the 0.5-LTO-TO-600 sample.

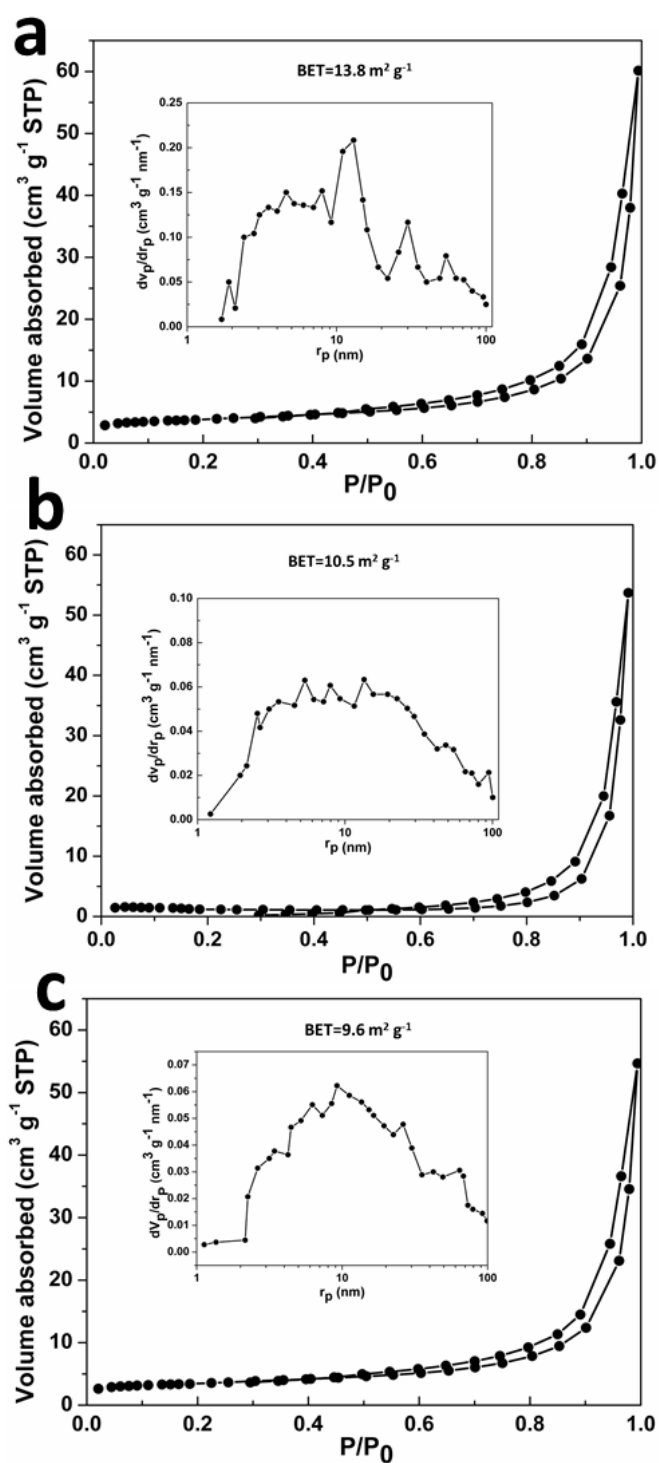


Figure S4. N_2 adsorption-desorption isotherm of various samples (a) the 0.5-LTO-TO-600, (b) the 0.5-LTO-TO-700 and (c) the 1.0-LTO-TO-600. The inset shows the corresponding pore size distribution.

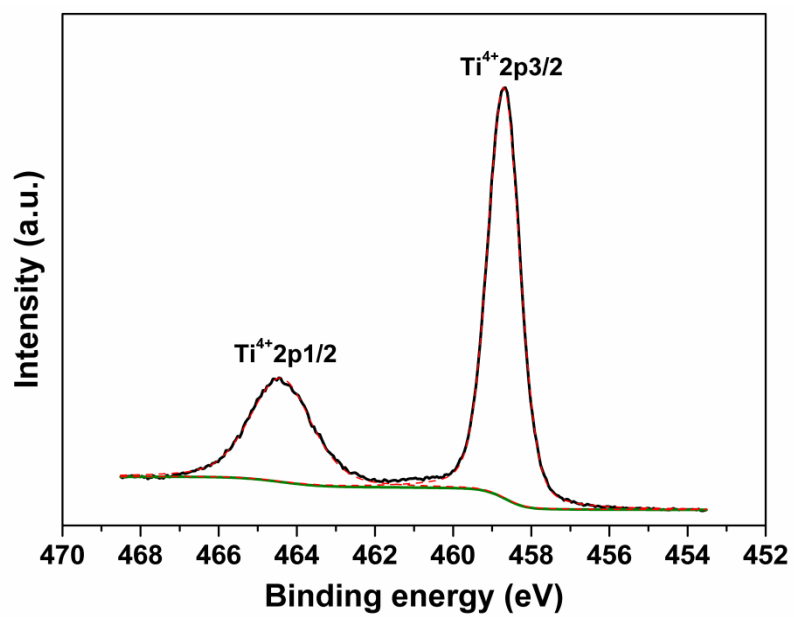


Figure S5. High resolution XPS spectrum for Ti2p of the 0.5-LTO-TO-600 sample.