

1 **Supporting Information for**

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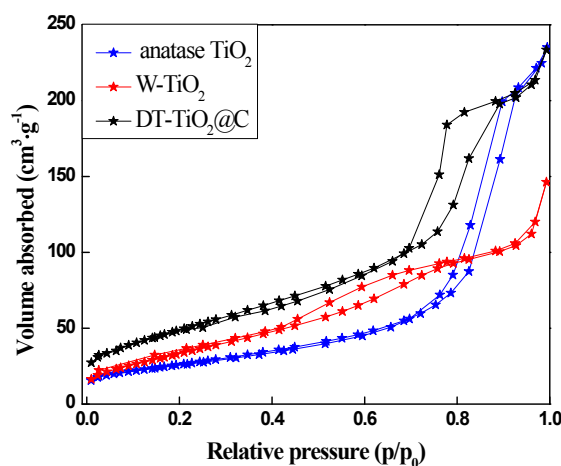
3 **High-performance lithium storage of Ti³⁺-doped anatase**

4 **TiO₂@C composite spheres**

5 Xiaoying Chen, Li Liu*, Linguag Yi, Guoxiong Guo, Min Li, Jianjun Xie, Yan Ouyang, Xianyou

6 Wang

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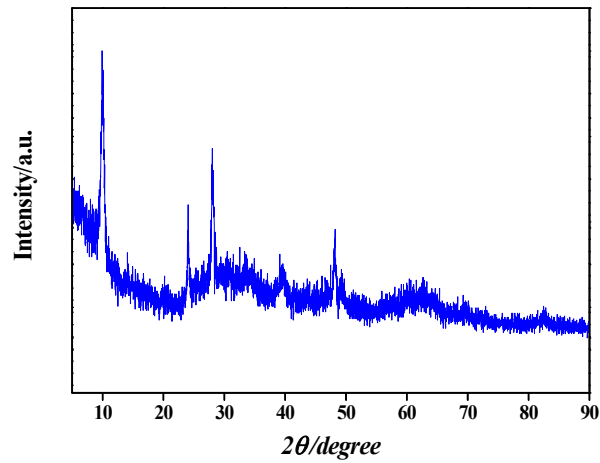
9 **Fig. S1.** Nitrogen adsorption-desorption isotherms of anatase TiO₂, W-TiO₂ and TD-TiO₂@C

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13 **Fig. S2.** XRD patterns of titanium glycerolate

14 The intermediated powders titanium glycerolate show a sharp peak at $2\theta = \text{ca.}$
15 10° . Although the pattern cannot be indexed to any known structure in database, some
16 studies refer to it as titanium glycerolate (TiGly).¹

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18 **References**

19 [1] G. Zakharova, E. Andreikov, V. Osipova, Yu. G. Yatluk, I. Puzyrev, *Inorg. Mater.*, 2013, **49**,
20 1127.

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