Supplementary Material

Carbon Encapsulated V$_2$O$_3$ Nanorods for High-Performance Aqueous Zn-Ion Batteries

Ziyi Hao$^{1,2}$, Weikang Jiang$^{1,3}$, Kaiyue Zhu$^1$

$^1$State Key Laboratory of Catalysis, Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian 116023, Liaoning, China
$^2$Department of Chemistry, University of California, Los Angeles, CA 90095, United States
$^3$Department of Chemical Physics, University of Science and Technology of China, Anhui 230026, Hefei, China

* Correspondence:
Corresponding Author
zky218@dicp.ac.cn
Supplementary Figure 1. XRD patterns of as-prepared VO$_2$, VO$_2$@PDA, and standard VO$_2$. 
Supplementary Figure 2. XRD patterns of VO$_2$ and V$_2$O$_3$ prepared without using PDA.

Supplementary Figure 3. CV curves of V$_2$O$_3$@C cathode in 2 M Zn(OTf)$_2$. 
Supplementary Figure 4. Nitrogen adsorption-desorption isotherm curves of $V_2O_3$ and $V_2O_3@C$ powders. Inset shows the BET area and average pore size.