Formation of copper vanadate nanobelts and the electrochemical behaviors for the determination of ascorbic acid
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Fig. S1 shows the SEM image and EDS spectrum of the copper vanadate nanobelts. It is shown that the products are composed of Cu, V and O.

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Fig. S2 shows the SEM images of the copper vanadate products with different magnifications obtained from 180°C for 24 h using copper acetate and sodium vanadate as the raw materials, 3wt.% PVP as the surfactant. It is shown that the products consist of rod-shaped morphology with the diameter of sub-microscale and nanoscale size without adjusting the pH value.
Fig. S3 shows the SEM images of the copper vanadate products obtained from 180°C for 24 h, pH=2 using PVP with different concentrations, copper acetate and sodium vanadate as the raw materials.

Fig. S3 SEM images of the copper vanadate products obtained from 180°C for 24 h, pH=2 using PVP with different concentrations, copper acetate and sodium vanadate as the raw materials. (a) and (b) PVP 0.1wt.%, (c) and (d) PVP 1wt.%

Fig. S4 shows the SEM images of the copper vanadate products obtained from 180°C for different duration times, pH=2 using 3wt.% PVP as the surfactant, copper acetate and sodium vanadate as the raw materials.
Fig. S4 SEM images of the copper vanadate products obtained from 180°C for different duration times, pH=2 using 3wt.% PVP as the surfactant, copper acetate and sodium vanadate as the raw materials. (a) and (b) 0.5 h, (c) and (d) 6 h, (e) and (f) 12 h

Fig. S5 shows the SEM images of the copper vanadate products obtained from different temperatures for 24 h, pH=2 using 3wt.% PVP as the surfactant, copper acetate and sodium vanadate as the raw materials.
Fig. S5 SEM images of the copper vanadate products obtained from different temperatures for 24 h, pH=2 using 3wt.% PVP as the surfactant, copper acetate and sodium vanadate as the raw materials. (a) and (b) 80°C, (c) and (d) 120°C